

[MS-UPSDWS]: User Profile Social Data Web Service Protocol Specification

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Revision Summary

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1 Introduction

The User Profile Social Data Web Service Protocol is used to add, remove, and retrieve user-provided data that facilitates social networking. These data are in the form of tags, notes, and ratings about documents, Web pages, and other types of items that are stored on a protocol server.

Sections 1.8, 2, and 3 of this specification are normative and can contain the terms MAY, SHOULD, MUST, MUST NOT, and SHOULD NOT as defined in RFC 2119. Sections 1.5 and 1.9 are also normative but cannot contain those terms. All other sections and examples in this specification are informative.

1.1 Glossary

The following terms are defined in [\[MS-GLOS\]](#):

Hypertext Transfer Protocol (HTTP)
Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)

The following terms are defined in [\[MS-OFCGLOS\]](#):

back-end database server
content database
current user
document
field
Hypertext Markup Language (HTML)
list item
Simple Object Access Protocol (SOAP)
site
SOAP action
SOAP body
SOAP fault
social comment
social data
social rating
social tag
term
term store
timestamp
Uniform Resource Identifier (URI)
Uniform Resource Locator (URL)
user profile
Web Services Description Language (WSDL)
WSDL message
WSDL operation
XML namespace
XML namespace prefix
XML schema

The following terms are specific to this document:

social tag term: A user-defined keyword for a webpage or item on a SharePoint site or the Internet. Individual users create social tags and, by default, share them with other users.

social tag URL: The address of a webpage or item on a SharePoint site or the Internet for which a user created a social tag.

social tag user: The user who created a social tag.

MAY, SHOULD, MUST, SHOULD NOT, MUST NOT: These terms (in all caps) are used as described in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

1.2 References

References to Microsoft Open Specifications documentation do not include a publishing year because links are to the latest version of the technical documents, which are updated frequently. References to other documents include a publishing year when one is available.

1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact dochelp@microsoft.com. We will assist you in finding the relevant information. Please check the archive site, <http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, <http://www.rfc-editor.org/rfc/rfc2119.txt>

[RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, <http://www.ietf.org/rfc/rfc2616.txt>

[SOAP1.1] Box, D., Ehnebuske, D., Kakivaya, G., et al., "Simple Object Access Protocol (SOAP) 1.1", May 2000, <http://www.w3.org/TR/2000/NOTE-SOAP-20000508/>

[SOAP1.2/1] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 1: Messaging Framework", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part1-20030624>

[SOAP1.2/2] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 2: Adjuncts", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part2-20030624>

[WSDL] Christensen, E., Curbera, F., Meredith, G., and Weerawarana, S., "Web Services Description Language (WSDL) 1.1", W3C Note, March 2001, <http://www.w3.org/TR/2001/NOTE-wsdl-20010315>

[XMLNS] Bray, T., Hollander, D., Layman, A., et al., Eds., "Namespaces in XML 1.0 (Third Edition)", W3C Recommendation, December 2009, <http://www.w3.org/TR/2009/REC-xml-names-20091208/>

[XMLSCHEMA1] Thompson, H.S., Ed., Beech, D., Ed., Maloney, M., Ed., and Mendelsohn, N., Ed., "XML Schema Part 1: Structures", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/>

[XMLSCHEMA2] Biron, P.V., Ed. and Malhotra, A., Ed., "XML Schema Part 2: Datatypes", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>

1.2.2 Informative References

[MS-GLOS] Microsoft Corporation, "[Windows Protocols Master Glossary](#)".

[MS-OFGLS] Microsoft Corporation, "[Microsoft Office Master Glossary](#)".

[RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, <http://www.ietf.org/rfc/rfc2818.txt>

1.3 Overview

This protocol allows a protocol client to add, remove, and retrieve **social tags**, **social comments**, and **social ratings** for **documents**, Web pages, and other types of items that are stored on a protocol server. This protocol allows the protocol client to pass criteria to the protocol server and to receive a list of social tags, social comments, and social ratings.

A typical scenario for using this protocol is a social networking application. A social tag is a descriptive term that a user assigns to the content at a **Uniform Resource Identifier (URI)**. A social comment is a textual note that a user adds to a document or Web page. A social rating is a user's assessment, from one to five stars, of the quality of a document or **list item**. An application can use this protocol to add, remove, and retrieve social tags, social comments, and social ratings.

1.4 Relationship to Other Protocols

This protocol uses the **SOAP** message protocol for formatting request and response messages, as described in [\[SOAP1.1\]](#), [\[SOAP1.2/1\]](#) and [\[SOAP1.2/2\]](#). It transmits those messages by using **HTTP**, as described in [\[RFC2616\]](#), or **Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**, as described in [\[RFC2818\]](#).

The following diagram shows the underlying messaging and transport stack used by the protocol:

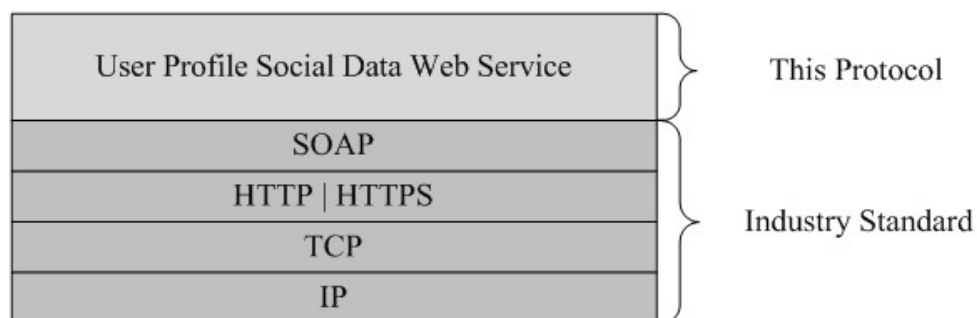


Figure 1: This protocol in relation to other protocols

1.5 Prerequisites/Preconditions

This protocol operates against a **site (2)** that is identified by a **Uniform Resource Locator (URL)** that is known by protocol clients. The protocol server endpoint is formed by appending "_vti_bin/socialdataservice.asmx" to the URL of the site (2), for example http://www.example.com/Repository/_vti_bin/socialdataservice.asmx.

This protocol assumes that authentication has been performed by the underlying protocols.

1.6 Applicability Statement

This protocol was designed to support a scale point of approximately 2 million **user profiles** and an average of 500 social tags, 300 social comments, and 300 social ratings across all of those user profiles.

1.7 Versioning and Capability Negotiation

This specification covers versioning issues in the following areas:

- **Supported Transports:** This protocol can be implemented by using transports that support sending Simple Object Access Protocol (SOAP) messages, as specified in section 2.1.
- **Protocol Versions:** This protocol is not versioned.

Capability Negotiation: This protocol does not support version negotiation.

1.8 Vendor-Extensible Fields

None.

1.9 Standards Assignments

None.

2 Messages

In the following sections, the schema definition might be less restrictive than the processing rules imposed by the protocol. The **WSDL** in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL specifies additional restrictions that reflect actual Microsoft product behavior. For example, the schema definition might allow for an element to be empty, null, or not present but the behavior of the protocol as specified restricts the same elements to being non-empty, not null, and present.

2.1 Transport

Protocol servers **MUST** support SOAP over HTTP. Protocol servers **SHOULD** additionally support SOAP over HTTPS to help secure communications with protocol clients.

Protocol messages **MUST** be formatted as specified in either [\[SOAP1.1\]](#) section 4 or [\[SOAP1.2/1\]](#) section 5. Server faults **MUST** be returned by using either HTTP status codes, as specified in [\[RFC2616\]](#) section 10, or **SOAP faults**, as specified in [\[SOAP1.1\]](#) section 4.4 or [\[SOAP1.2/1\]](#) section 5.4.

2.2 Common Message Syntax

This section contains common definitions that are used by this protocol. The syntax of the definitions uses **XML schema**, as specified in [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#), and WSDL, as specified in [\[WSDL\]](#).

2.2.1 Namespaces

This specification defines and references various **XML namespaces** using the mechanisms specified in [\[XMLNS\]](#). Although this specification associates a specific **XML namespace prefix** for each XML namespace that is used, the choice of any particular XML namespace prefix is implementation-specific and not significant for interoperability.

Prefix	Namespace URI	Reference
http	http://schemas.xmlsoap.org/wSDL/http/	
s1	http://microsoft.com/wSDL/types/	
soap	http://schemas.xmlsoap.org/wSDL/soap/	[SOAP1.1]
soap12	http://schemas.xmlsoap.org/wSDL/soap12/	[SOAP1.2/1] [SOAP1.2/2]
tns	http://microsoft.com/webservices/SharePointPortalServer/SocialDataService	
wSDL	http://schemas.xmlsoap.org/wSDL/	[WSDL]
xs	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA1] [XMLSCHEMA2]

2.2.2 Messages

This specification does not define any common **WSDL message** definitions.

2.2.3 Elements

This specification does not define any common XML schema element definitions.

2.2.4 Complex Types

The following table summarizes the set of common XML schema complex type definitions defined by this specification. XML schema complex type definitions that are specific to a particular operation are described with the operation.

Complex type	Description
ArrayOfDeletedSocialCommentDetail	The ArrayOfDeletedSocialCommentDetail complex type contains zero or more DeletedSocialCommentDetail elements.
ArrayOfDeletedSocialRatingDetail	The ArrayOfDeletedSocialRatingDetail complex type contains zero or more DeletedSocialRatingDetail elements.
ArrayOfDeletedSocialTagDetail	The ArrayOfDeletedSocialTagDetail complex type contains zero or more DeletedSocialTagDetail elements.
ArrayOfSocialCommentDetail	The ArrayOfSocialCommentDetail complex type contains zero or more SocialCommentDetail elements.
ArrayOfSocialRatingDetail	The ArrayOfSocialRatingDetail complex type contains zero or more SocialRatingDetail elements.
ArrayOfSocialTagDetail	The ArrayOfSocialTagDetail complex type contains zero or more SocialTagDetail elements.
ArrayOfSocialTermDetail	The ArrayOfSocialTermDetail complex type contains zero or more SocialTermDetail elements.
ArrayOfSocialUriDetail	The ArrayOfSocialUriDetail complex type contains zero or more SocialUriDetail elements.
ArrayOfString	The ArrayOfString complex type contains zero or more strings.
DeletedSocialCommentDetail	The DeletedSocialCommentDetail complex type contains the data within and about a deleted social comment.
DeletedSocialDataDetail	The DeletedSocialDataDetail complex type contains the data within and about deleted social data . This is the base type for DeletedSocialCommentDetail (section 2.2.4.10), DeletedSocialRatingDetail (section 2.2.4.12) and DeletedSocialTagDetail (section 2.2.4.13) complex types.
DeletedSocialRatingDetail	The DeletedSocialRatingDetail complex type contains the data within and about a deleted social rating.
DeletedSocialTagDetail	The DeletedSocialTagDetail complex type contains the data within and about a deleted social tag.
SocialCommentDetail	The SocialCommentDetail complex type contains the data within and about a social comment.
SocialDataDetail	The SocialDataDetail complex type contains the data within and about social data. This is the base type for

Complex type	Description
	SocialCommentDetail (section 2.2.4.14), SocialRatingDetail (section 2.2.4.16) and SocialTagDetail (section 2.2.4.18) complex types.
SocialRatingDetail	The SocialRatingDetail complex type contains information about a social rating.
SocialReplicationData	The SocialReplicationData complex type contains information about current and deleted social tags, comments and ratings.
SocialTagDetail	The SocialTagDetail complex type contains information about a social tag.
SocialTermDetail	The SocialTermDetail complex type contains a term and count of a social tag term .
SocialUriDetail	The SocialUriDetail complex type contains a string in URI format and the count of social tags that are associated with that URI.
TermDetail	The TermDetail complex type contains information for a social tag term.

2.2.4.1 ArrayOfDeletedSocialCommentDetail

Namespace: <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **ArrayOfDeletedSocialCommentDetail** complex type contains zero or more **DeletedSocialCommentDetail** elements.

```
<xs:complexType name="ArrayOfDeletedSocialCommentDetail"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DeletedSocialCommentDetail"
nillable="true" type="tns:DeletedSocialCommentDetail"/>
  </xs:sequence>
</xs:complexType>
```

DeletedSocialCommentDetail: A **DeletedSocialCommentDetail** complex type (section [2.2.4.10](#)) that contains the deleted comment information.

2.2.4.2 ArrayOfDeletedSocialRatingDetail

Namespace: <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **ArrayOfDeletedSocialRatingDetail** complex type contains zero or more **DeletedSocialRatingDetail** elements.

```
<xs:complexType name="ArrayOfDeletedSocialRatingDetail"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DeletedSocialRatingDetail"
nillable="true" type="tns:DeletedSocialRatingDetail"/>
  </xs:sequence>
```

```
</xs:complexType>
```

DeletedSocialRatingDetail: A **DeletedSocialRatingDetail** complex type (section [2.2.4.12](#)) that contains the deleted rating information.

2.2.4.3 ArrayOfDeletedSocialTagDetail

Namespace: <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **ArrayOfDeletedSocialTagDetail** complex type contains zero or more **DeletedSocialTagDetail** elements.

```
<xs:complexType name="ArrayOfDeletedSocialTagDetail"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DeletedSocialTagDetail"
nillable="true" type="tns:DeletedSocialTagDetail"/>
  </xs:sequence>
</xs:complexType>
```

DeletedSocialTagDetail: A **DeletedSocialTagDetail** complex type (section [2.2.4.13](#)) that contains the deleted tag information.

2.2.4.4 ArrayOfSocialCommentDetail

Namespace: <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **ArrayOfSocialCommentDetail** complex type contains zero or more **SocialCommentDetail** elements.

```
<xs:complexType name="ArrayOfSocialCommentDetail"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialCommentDetail"
nillable="true" type="tns:SocialCommentDetail"/>
  </xs:sequence>
</xs:complexType>
```

SocialCommentDetail: A **SocialCommentDetail** complex type (section [2.2.4.14](#)) that contains comment information.

2.2.4.5 ArrayOfSocialRatingDetail

Namespace: <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **ArrayOfSocialRatingDetail** complex type contains zero or more **SocialRatingDetail** elements.

```
<xs:complexType name="ArrayOfSocialRatingDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialRatingDetail" nillable="true"
type="tns:SocialRatingDetail"/>
  </xs:sequence>
```

```
</xs:complexType>
```

SocialRatingDetail: A **SocialRatingDetail** complex type (section [2.2.4.16](#)) that contains the rating information.

2.2.4.6 ArrayOfSocialTagDetail

Namespace: <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **ArrayOfSocialTagDetail** complex type contains zero or more **SocialTagDetail** elements.

```
<xs:complexType name="ArrayOfSocialTagDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialTagDetail" nillable="true"
      type="tns:SocialTagDetail"/>
  </xs:sequence>
</xs:complexType>
```

SocialTagDetail: A **SocialTagDetail** complex type (section [2.2.4.18](#)) that contains the tag information.

2.2.4.7 ArrayOfSocialTermDetail

Namespace: <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **ArrayOfSocialTermDetail** complex type contains zero or more **SocialTermDetail** elements.

```
<xs:complexType name="ArrayOfSocialTermDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialTermDetail" nillable="true"
      type="tns:SocialTermDetail"/>
  </xs:sequence>
</xs:complexType>
```

SocialTermDetail: A **SocialTermDetail** complex type (section [2.2.4.19](#)) that contains the term information.

2.2.4.8 ArrayOfSocialUrlDetail

Namespace: <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **ArrayOfSocialUrlDetail** complex type contains zero or more **SocialUrlDetail** elements.

```
<xs:complexType name="ArrayOfSocialUrlDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialUrlDetail" nillable="true"
      type="tns:SocialUrlDetail"/>
  </xs:sequence>
</xs:complexType>
```

SocialUrlDetail: A **SocialUrlDetail** complex type (section [2.2.4.20](#)) that contains the **social tag URL** information.

2.2.4.9 ArrayOfString

Namespace: http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **ArrayOfString** complex type contains zero or more strings.

```
<xs:complexType name="ArrayOfString" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

string: A string.

2.2.4.10 DeletedSocialCommentDetail

Namespace: http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **DeletedSocialCommentDetail** complex type contains the data within and about a deleted social comment.

```
<xs:complexType name="DeletedSocialCommentDetail"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:DeletedSocialDataDetail">
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="xs:dateTime"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

LastModifiedTime: A value containing the last modified time of the comment.

2.2.4.11 DeletedSocialDataDetail

Namespace: http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **DeletedSocialDataDetail** complex type contains the data within and about deleted social data. This is the base type for **DeletedSocialCommentDetail** (section [2.2.4.10](#)), **DeletedSocialRatingDetail** (section [2.2.4.12](#)) and **DeletedSocialTagDetail** (section [2.2.4.13](#)) complex types.

```
<xs:complexType name="DeletedSocialDataDetail" abstract="true"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Owner" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="DeletedTime" type="xs:dateTime"/>
  </xs:sequence>
</xs:complexType>
```

Url: A string type that specifies the URL that is associated with the social data.

Owner: A string type that specifies the owner account that is associated with the social data.

DeletedTime: A value containing the deleted time of the social data.

2.2.4.12 DeletedSocialRatingDetail

Namespace: http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **DeletedSocialRatingDetail** complex type contains the data within and about a deleted social rating.

```
<xs:complexType name="DeletedSocialRatingDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:DeletedSocialDataDetail"/>
  </xs:complexContent>
</xs:complexType>
```

2.2.4.13 DeletedSocialTagDetail

Namespace: http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **DeletedSocialTagDetail** complex type contains the data within and about a deleted social tag.

```
<xs:complexType name="DeletedSocialTagDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:DeletedSocialDataDetail">
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="TermID"
          xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

TermID: A unique identifier for the term that was deleted.

2.2.4.14 SocialCommentDetail

Namespace: http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **SocialCommentDetail** complex type contains the data within and about a social comment.

```
<xs:complexType name="SocialCommentDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:SocialDataDetail">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Comment" type="xs:string"/>
        <xs:element minOccurs="1" maxOccurs="1" name="IsHighPriority" type="xs:boolean"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Comment: A string type that contains the body of the social comment.

IsHighPriority: A Boolean flag that specifies the priority level of the social comment. A value of **true** indicates that the social comment is high priority. A value of **false** indicates that the social comment is normal priority.

2.2.4.15 SocialDataDetail

Namespace: <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **SocialDataDetail** complex type contains the data within and about social data. This is the base type for **SocialCommentDetail** (section [2.2.4.14](#)), **SocialRatingDetail** (section [2.2.4.16](#)) and **SocialTagDetail** (section [2.2.4.18](#)) complex types.

```
<xs:complexType name="SocialDataDetail" abstract="true"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Owner" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="xs:dateTime"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Title" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

Url: A string type that specifies the URL that is associated with the social data.

Owner: A string type that specifies the owner account that is associated with the social data.

LastModifiedTime: A value containing the last modified time of the social data.

Title: A string type that contains the title of the social data.

2.2.4.16 SocialRatingDetail

Namespace: <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **SocialRatingDetail** complex type contains information about a social rating.

```
<xs:complexType name="SocialRatingDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:SocialDataDetail">
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="Rating" type="xs:int"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Rating: An integer type that specifies the rating value. The valid range for this value is 1 through 5. A value of 1 is a low rating, while a value of 5 is the highest rating possible.

2.2.4.17 SocialReplicationData

Namespace: <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **SocialReplicationData** complex type contains information about current and deleted social tags, comments and ratings.

```

<xs:complexType name="SocialReplicationData" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Tags" type="tns:ArrayOfSocialTagDetail"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Comments"
type="tns:ArrayOfSocialCommentDetail"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Ratings"
type="tns:ArrayOfSocialRatingDetail"/>
    <xs:element minOccurs="0" maxOccurs="1" name="DeletedTags"
type="tns:ArrayOfDeletedSocialTagDetail"/>
    <xs:element minOccurs="0" maxOccurs="1" name="DeletedComments"
type="tns:ArrayOfDeletedSocialCommentDetail"/>
    <xs:element minOccurs="0" maxOccurs="1" name="DeletedRatings"
type="tns:ArrayOfDeletedSocialRatingDetail"/>
  </xs:sequence>
</xs:complexType>

```

Tags: An **ArrayOfSocialTagDetail** complex type (section [2.2.4.6](#)) element that contains the social tags.

Comments: An **ArrayOfSocialCommentDetail** complex type (section [2.2.4.4](#)) element that contains the social comments.

Ratings: An **ArrayOfSocialRatingDetail** complex type (section [2.2.4.5](#)) element that contains the social ratings.

DeletedTags: An **ArrayOfDeletedSocialTagDetail** complex type (section [2.2.4.3](#)) element that contains the deleted social tags.

DeletedComments: An **ArrayOfDeletedSocialCommentDetail** complex type (section [2.2.4.1](#)) element that contains the deleted social comments.

DeletedRatings: An **ArrayOfDeletedSocialRatingDetail** complex type (section [2.2.4.2](#)) element that contains the deleted social ratings.

2.2.4.18 SocialTagDetail

Namespace: <http://microsoft.com/webservices/SharePointPortalServer/SocialDataService>

The **SocialTagDetail** complex type contains information about a social tag.

```

<xs:complexType name="SocialTagDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:SocialDataDetail">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Term" type="tns:TermDetail"/>
        <xs:element minOccurs="1" maxOccurs="1" name="IsPrivate" type="xs:boolean"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

Term: A **TermDetail** complex type (section [2.2.4.21](#)) that contains term information for the social tag.

IsPrivate: A Boolean value that specifies whether the social tag is private. A value of **true** is used to specify that the social tag is private. A value of **false** is used to specify that the social tag is not private.

2.2.4.19 SocialTermDetail

Namespace: http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **SocialTermDetail** complex type contains a term and count of a social tag term.

```
<xs:complexType name="SocialTermDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Term" type="tns:TermDetail"/>
    <xs:element minOccurs="1" maxOccurs="1" name="Count" type="xs:long"/>
  </xs:sequence>
</xs:complexType>
```

Term: A **TermDetail** complex type (section [2.2.4.21](#)) that contains a social tag term.

Count: A **long** type that specifies the number of social data elements that contain the **Term** for the given results.

2.2.4.20 SocialUrlDetail

Namespace: http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **SocialUrlDetail** complex type contains a string in URI format and the count of social tags that are associated with that URI.

```
<xs:complexType name="SocialUrlDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="Count" type="xs:long"/>
  </xs:sequence>
</xs:complexType>
```

Url: A string that specifies the URL that is associated with the **SocialUrlDetail**.

Count: A **long** type that specifies the number of social data elements that contain the **Url** for the given results.

2.2.4.21 TermDetail

Namespace: http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **TermDetail** complex type contains information for a social tag term.

```
<xs:complexType name="TermDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="Id"
      xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

Id: A GUID type that specifies an identifier for the **term**.

Name: A string that contains the name of the social tag term.

2.2.5 Simple Types

The following table summarizes the set of common XML schema simple type definitions defined by this specification. XML schema simple type definitions that are specific to a particular operation are described with the operation.

Simple type	Description
guid	The guid simple type is a string that matches the following pattern. The guid simple type is from the namespace <code>http://microsoft.com/wsd/types/</code> .

2.2.5.1 guid

Namespace: `http://microsoft.com/wsd/types/`

The **guid** simple type is a string that matches the following pattern. The **guid** simple type is from the namespace `http://microsoft.com/wsd/types/`.

```
<xs:simpleType name="guid" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <xs:restriction base="xs:string">  
    <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}"/>  
  </xs:restriction>  
</xs:simpleType>
```

2.2.6 Attributes

This specification does not define any common XML schema attribute definitions.

2.2.7 Groups

This specification does not define any common XML schema group definitions.

2.2.8 Attribute Groups

This specification does not define any common XML schema attribute group definitions.

2.2.9 Common Data Structures

This specification does not define any common XML schema data structures.

3 Protocol Details

In the following sections, the schema definition might differ from the processing rules imposed by the protocol. The WSDL in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL might specify differences that reflect actual Microsoft product behavior. For example, the schema definition might allow for an element to be **empty**, **null**, or **not present** but the behavior of the protocol as specified restricts the same elements to being **non-empty**, **not null**, and **present**.

The client side of this protocol is simply a pass-through. That is, no additional timers or other state is required on the client side of this protocol. Calls made by the higher-layer protocol or application are passed directly to the transport, and the results returned by the transport are passed directly back to the higher-layer protocol or application.

Except where specified, protocol clients SHOULD interpret HTTP status codes that are returned by the protocol server as specified in [\[RFC2616\]](#) section 10.

This protocol allows protocol servers to notify protocol clients of application-level faults by using SOAP faults. Except where specified, these SOAP faults are not significant for interoperability and protocol clients can interpret them in an implementation-specific manner.

This protocol allows protocol servers to perform implementation-specific authorization checks and notify protocol clients of authorization faults by using either HTTP status codes or SOAP faults as specified in this section.

3.1 Server Details

3.1.1 Abstract Data Model

This section describes a conceptual model of possible data organization that an implementation maintains to participate in this protocol. The described organization is provided to facilitate the explanation of how the protocol behaves. This document does not mandate that implementations adhere to this model as long as their external behavior is consistent with that described in this document.

3.1.1.1 Social Tags

This protocol enables users to add descriptive keywords to documents and Web pages that were published with a URI. The tags are stored on a **back-end database server** and are not part of the document or Web page with which they are associated. Each social tag has an identifier, which is retrieved from a **term store**, and is associated with a URL. Other information that is stored on a back-end database server includes the person who applied the social tag, a flag that specifies whether the tag is visible only to the person who applied the social tag, and the date when the social tag was last modified.

3.1.1.2 Notes (Social Comments)

This protocol enables users to add textual comments to documents and Web pages that were published with a URI. The comments are stored on a back-end database server and are not part of the document or Web page with which they are associated. Each comment has an identifier and is associated with a URI. Other information that is stored on a back-end database server includes the author of the comment and the date when the comment was last modified.

3.1.1.3 Ratings

This protocol enables users to rate documents and list items that are stored on a protocol server. The ratings scale is from one to five stars, inclusive. Ratings are stored on a back-end database server and are not part of the documents or list items with which they are associated. Ratings are aggregated on a per item basis. The number of people who rated an item and the average rating for that item is calculated periodically and stored in a **content database**. Each rating has an identifier and is associated with a URI. Other information that is stored on a back-end database server includes the author of the rating and the date when the rating was last modified.

3.1.2 Timers

None.

3.1.3 Initialization

None.

3.1.4 Message Processing Events and Sequencing Rules

The following table summarizes the list of operations as defined by this specification.

Operation	Description
AddComment	The AddComment operation creates an association between a social comment and a specified URI for the current user .
AddTag	The AddTag operation creates an association between a social tag and a specified URI, for the current user.
AddTagByKeyword	The AddTagByKeyword operation creates an association between a social tag and a specified URI, for the current user.
CountCommentsOfUser	The CountCommentsOfUser operation retrieves the total number of social comments for a specified user profile.
CountCommentsOfUserOnUrl	The CountCommentsOfUserOnUrl operation retrieves the total number of social comments for a specified user profile and a specified URI.
CountCommentsOnUrl	The CountCommentsOnUrl operation retrieves the total number of social comments for a specified URI.
CountRatingsOnUrl	The CountRatingsOnUrl operation retrieves the total number of social ratings for a specified URI.
CountTagsOfUser	The CountTagsOfUser operation retrieves the total number of social tags for a specified user profile.
DeleteComment	The DeleteComment operation deletes a social comment that is associated with the current user, stored at a specified URI, and was last modified at a specified time.
DeleteRating	The DeleteRating operation deletes a social rating that is associated with the current user for a specified URI.

Operation	Description
DeleteTag	The DeleteTag operation deletes the social tag that is associated with the current user and for the specified URI and social tag term identifier.
DeleteTagByKeyword	The DeleteTagByKeyword operation deletes a social tag based on a keyword parameter, the current user, and a specified URI.
DeleteTags	The DeleteTags operation deletes all of the social tags that are associated with the current user for a specified URI.
GetAllTagTerms	The GetAllTagTerms operation retrieves all social tag terms.
GetAllTagTermsForUriFolder	The GetAllTagTermsForUriFolder operation retrieves all social tag terms for a given Uri.
GetAllTagUrls	The GetAllTagUrls operation retrieves all of the social tag URLs that are associated with a specified social tag term.
GetAllTagUrlsByKeyword	The GetAllTagUrlsByKeyword operation retrieves all of the social tag URLs that are associated with a specified social tag term.
GetCommentsOfUser	The GetCommentsOfUser operation retrieves the social comments that are associated with a specified user profile.
GetCommentsOfUserOnUri	The GetCommentsOfUserOnUri operation retrieves the social comments that are associated with a specified user profile and for a specified URI.
GetCommentsOnUri	The GetCommentsOnUri operation retrieves all of the social comments for a specified URI and for a specified set of parameters.
GetRatingAverageOnUri	The GetRatingAverageOnUri operation retrieves the average social rating for the item at a specified URI.
GetRatingOfUserOnUri	The GetRatingOfUserOnUri operation retrieves a social rating that is associated with a specified user profile and for a specified URI.
GetRatingOnUri	The GetRatingOnUri operation retrieves a social rating that was added by the current user for a specified URI.
GetRatingsOfUser	The GetRatingsOfUser operation retrieves the social ratings that are associated with a specified user profile.
GetRatingsOnUri	The GetRatingsOnUri operation retrieves all of the social ratings for a specified URI.
GetSocialDataForFullReplication	The GetSocialDataForFullReplication operation retrieves the list of existing social comments, social tags and social ratings for a specified user profile for use when replicating the social data.
GetSocialDataForIncrementalReplication	The GetSocialDataForIncrementalReplication operation retrieves the list of existing and deleted social

Operation	Description
	comments, social tags and social ratings for a specified time period.
GetTags	The GetTags operation retrieves the social tags that were created by the current user for a specified URL.
GetTagsOfUser	The GetTagsOfUser operation retrieves the social tags that were added by a specified user.
GetTagTerms	The GetTagTerms operation retrieves only social tag terms that were authored by the current user.
GetTagTermsOfUser	The GetTagTermsOfUser operation retrieves the social tag terms that were authored by a specific social tag user . The result set can be limited to a maximum number of items.
GetTagTermsOnUrl	The GetTagTermsOnUrl operation retrieves the social tag terms for a specified social tag URL.
GetTagUrls	The GetTagUrls operation retrieves the social tag URLs that were tagged by the current user with a specified social tag term.
GetTagUrlsByKeyword	The GetTagUrlsByKeyword operation retrieves the social tag URLs, tagged with a specified keyword, which are associated to the current user.
GetTagUrlsOfUser	The GetTagUrlsOfUser operation retrieves the social tag URLs that are associated with a specified social tag term and were added by a specified social tag user.
GetTagUrlsOfUserByKeyword	The GetTagUrlsOfUserByKeyword operation retrieves the social tag URLs that are associated with a specified social tag term and were added by a specified social tag user.
PropagateRating	The PropagateRating operation triggers a recalculation of the current, average social rating for the specified URI that points to a protocol server list item and it stores that new value in the Rating field (2) .
ReplicateFullSocialData	The ReplicateFullSocialData operation replicates the specified social comments, social tags and social ratings for a specified user profile to the server.
ReplicateIncrementalSocialData	The ReplicateIncrementalSocialData operation replicates the specified existing and deleted social comments, social tags and social ratings to the server.
SetRating	The SetRating operation specifies a social rating by the current user for a specified URI.
UpdateComment	The UpdateComment operation updates an existing social comment at a specified URI that was created by the calling user with the specified last modified time.

3.1.4.1 AddComment

The **AddComment** operation creates an association between a social comment and a specified URI for the current user.

```
<wsdl:operation name="AddComment" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:AddCommentSoapIn"/>
  <wsdl:output message="tns:AddCommentSoapOut"/>
</wsdl:operation>
```

The protocol client sends an **AddCommentSoapIn** request message (section [3.1.4.1.1.1](#)) and the protocol server responds with an **AddCommentSoapOut** response message (section [3.1.4.1.1.2](#)).

The protocol server MUST associate the social comment with the user profile of the current user. The protocol server MUST ensure that the saved social comment body is escaped for **Hypertext Markup Language (HTML)** output.

3.1.4.1.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
AddCommentSoapIn	The request WSDL message for the AddComment WSDL operation .
AddCommentSoapOut	The response WSDL message for the AddComment WSDL operation .

3.1.4.1.1.1 AddCommentSoapIn

The request WSDL message for the **AddComment WSDL operation**.

The **SOAP action** value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddComment
```

The **SOAP body** contains the **AddComment** element.

3.1.4.1.1.2 AddCommentSoapOut

The response WSDL message for the **AddComment WSDL operation**.

The SOAP body contains the **AddCommentResponse** element.

3.1.4.1.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
AddComment	The input data for the AddComment WSDL operation .

Element	Description
AddCommentResponse	The result data for the AddComment WSDL operation.

3.1.4.1.2.1 AddComment

The **AddComment** element specifies the input data for the **AddComment** WSDL operation.

```
<xs:element name="AddComment" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="comment" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="isHighPriority" nillable="true"
type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI of the item to associate with the social comment. This value MUST be fewer than 2085 characters, and MUST be URI format.

comment: A string type that contains the body of the social comment. This value MUST contain more than zero characters and fewer than 4001 characters.

isHighPriority: A Boolean type that specifies the priority level of the social comment. A value of **true** indicates that the social comment is high priority. A value of **false** indicates that the social comment is normal priority.

title: A string type that specifies the title of the social comment, as it appears to users. This value MUST be fewer than 501 characters.

3.1.4.1.2.2 AddCommentResponse

The **AddCommentResponse** element specifies the result data for the **AddComment** WSDL operation.

```
<xs:element name="AddCommentResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="AddCommentResult"
type="tns:SocialCommentDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

AddCommentResult: A **SocialCommentDetail** complex type (section [2.2.4.14](#)), that contains the new social comment.

3.1.4.1.3 Complex Types

None.

3.1.4.1.4 Simple Types

None.

3.1.4.1.5 Attributes

None.

3.1.4.1.6 Groups

None.

3.1.4.1.7 Attribute Groups

None.

3.1.4.2 AddTag

The **AddTag** operation creates an association between a social tag and a specified URI, for the current user.

```
<wsdl:operation name="AddTag" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:AddTagSoapIn"/>
  <wsdl:output message="tns:AddTagSoapOut"/>
</wsdl:operation>
```

The protocol client sends an **AddTagSoapIn** request message (section [3.1.4.2.1.1](#)) and the protocol server responds with an **AddTagSoapOut** response message (section [3.1.4.2.1.2](#)).

The protocol server MUST associate the social tag with the user profile of the current user.

If no social tag term exists for the specified **termID** (see section [3.1.4.2.2.1](#)), the protocol server MUST send a SOAP fault message.

3.1.4.2.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
AddTagSoapIn	The request WSDL message for the AddTag WSDL operation.
AddTagSoapOut	The response WSDL message for the AddTag WSDL operation.

3.1.4.2.1.1 AddTagSoapIn

The request WSDL message for the **AddTag** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddTag
```

The SOAP body contains the **AddTag** element.

3.1.4.2.1.2 AddTagSoapOut

The response WSDL message for the **AddTag** WSDL operation.

The SOAP body contains the **AddTagResponse** element.

3.1.4.2.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
AddTag	The input data for the AddTag WSDL operation.
AddTagResponse	The result data for the AddTag WSDL operation.

3.1.4.2.2.1 AddTag

The **AddTag** element specifies the input data for the **AddTag** WSDL operation.

```
<xs:element name="AddTag" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="termID"
xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
      <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="isPrivate" nillable="true"
type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI to associate with the social tag. This value **MUST** be fewer than or equal to 2,084 characters, and **MUST** be URI format.

termID: A GUID type that identifies the social tag term to associate with the URI, as defined by the **Id** value of an existing **TermDetail** complex type (section [2.2.4.21](#)).

title: A string type that specifies the title of the social tag, as it appears to users. This value **MUST** be fewer than or equal to 500 characters.

isPrivate: A Boolean type that is used to determine the visibility of the social tag. For a value of **true**, the protocol server **MUST** ensure the tag is visible only to the current user. For a value of **false** or null, the protocol server **MUST** ensure the tag is publicly visible.

3.1.4.2.2.2 AddTagResponse

The **AddTagResponse** element specifies the result data for the **AddTag** WSDL operation.

```
<xs:element name="AddTagResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
```

```

    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="AddTagResult"
        type="tns:SocialTagDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

AddTagResult: A **SocialTagDetail** complex type (section [2.2.4.18](#)) that contains the new social tag.

3.1.4.2.3 Complex Types

None.

3.1.4.2.4 Simple Types

None.

3.1.4.2.5 Attributes

None.

3.1.4.2.6 Groups

None.

3.1.4.2.7 Attribute Groups

None.

3.1.4.3 AddTagByKeyword

The **AddTagByKeyword** operation creates an association between a social tag and a specified URI, for the current user.

```

<wsdl:operation name="AddTagByKeyword" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:AddTagByKeywordSoapIn"/>
  <wsdl:output message="tns:AddTagByKeywordSoapOut"/>
</wsdl:operation>

```

The protocol client sends an **AddTagByKeywordSoapIn** request message (section [3.1.4.3.1.1](#)) and the protocol server responds with an **AddTagByKeywordSoapOut** response message (section [3.1.4.3.1.2](#)).

The protocol server MUST associate the social tag with the user profile of the current user.

If no social tag term exists for the specified keyword, the protocol server MUST create it.

3.1.4.3.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
AddTagByKeywordSoapIn	The request WSDL message for the AddTagByKeyword WSDL operation.
AddTagByKeywordSoapOut	The response WSDL message for the AddTagByKeyword WSDL operation.

3.1.4.3.1.1 AddTagByKeywordSoapIn

The request WSDL message for the **AddTagByKeyword** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddTagByKeyword
```

The SOAP body contains the **AddTagByKeyword** element.

3.1.4.3.1.2 AddTagByKeywordSoapOut

The response WSDL message for the **AddTagByKeyword** WSDL operation.

The SOAP body contains the **AddTagByKeywordResponse** element.

3.1.4.3.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
AddTagByKeyword	The input data for the AddTagByKeyword WSDL operation.
AddTagByKeywordResponse	The result data for the AddTagByKeyword WSDL operation.

3.1.4.3.2.1 AddTagByKeyword

The **AddTagByKeyword** element specifies the input data for the **AddTagByKeyword** WSDL operation.

```
<xs:element name="AddTagByKeyword" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="isPrivate" nillable="true"
type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI to associate the social tag with. This value MUST be fewer than or equal to 2,084 characters, and MUST be URI format.

keyword: A string type that specifies the value of the social tag term and matches the **Name** value of an existing **TermDetail** complex type (section [2.2.4.21](#)).

title: A string type that specifies the title of the social tag, as it appears to users. This value MUST be fewer than or equal to 500 characters.

isPrivate: A Boolean type that is used to determine the visibility of the social tag. For a value of **true**, the protocol server MUST ensure the tag is visible only to the current user. For a value of **false** or **null**, the protocol server MUST ensure the tag is publicly visible.

3.1.4.3.2.2 AddTagByKeywordResponse

The **AddTagByKeywordResponse** element specifies the result data for the **AddTagByKeyword** WSDL operation.

```
<xs:element name="AddTagByKeywordResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="AddTagByKeywordResult"
type="tns:SocialTagDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

AddTagByKeywordResult: A **SocialTagDetail** complex type (section [2.2.4.18](#)) that contains the new social tag.

3.1.4.3.3 Complex Types

None.

3.1.4.3.4 Simple Types

None.

3.1.4.3.5 Attributes

None.

3.1.4.3.6 Groups

None.

3.1.4.3.7 Attribute Groups

None.

3.1.4.4 CountCommentsOfUser

The **CountCommentsOfUser** operation retrieves the total number of social comments for a specified user profile.

```
<wsdl:operation name="CountCommentsOfUser" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:CountCommentsOfUserSoapIn"/>
```

```
<wsdl:output message="tns:CountCommentsOfUserSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **CountCommentsOfUserSoapIn** request message (section [3.1.4.4.1.1](#)) and the protocol server responds with a **CountCommentsOfUserSoapOut** response message (section [3.1.4.4.1.2](#)).

If the specified user profile does not exist, the protocol server MUST send a SOAP fault message.

3.1.4.4.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
CountCommentsOfUserSoapIn	The request WSDL message for the CountCommentsOfUser WSDL operation.
CountCommentsOfUserSoapOut	The response WSDL message for the CountCommentsOfUser WSDL operation.

3.1.4.4.1.1 CountCommentsOfUserSoapIn

The request WSDL message for the **CountCommentsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCommentsOfUser
```

The SOAP body contains the **CountCommentsOfUser** element.

3.1.4.4.1.2 CountCommentsOfUserSoapOut

The response WSDL message for the **CountCommentsOfUser** WSDL operation.

The SOAP body contains the **CountCommentsOfUserResponse** element.

3.1.4.4.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
CountCommentsOfUser	The input data for the CountCommentsOfUser WSDL operation.
CountCommentsOfUserResponse	The result data for the CountCommentsOfUser WSDL operation.

3.1.4.4.2.1 CountCommentsOfUser

The **CountCommentsOfUser** element specifies the input data for the **CountCommentsOfUser** WSDL operation.


```

<xs:element name="CountCommentsOfUser" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

userAccountName: A string type that specifies the user login name of the user profile to get the count of social comments for.

3.1.4.4.2 CountCommentsOfUserResponse

The **CountCommentsOfUserResponse** element specifies the result data for the **CountCommentsOfUser** WSDL operation.

```

<xs:element name="CountCommentsOfUserResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CountCommentsOfUserResult"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

CountCommentsOfUserResult: An integer type that indicates the total number of social comments that are associated with the specified user profile. If the comment count is zero or if the protocol server fails to retrieve the count of social comments for the specific user, the protocol server **MUST** return zero.

3.1.4.4.3 Complex Types

None.

3.1.4.4.4 Simple Types

None.

3.1.4.4.5 Attributes

None.

3.1.4.4.6 Groups

None.

3.1.4.4.7 Attribute Groups

None.

3.1.4.5 CountCommentsOfUserOnUrl

The **CountCommentsOfUserOnUrl** operation retrieves the total number of social comments for a specified user profile and a specified URI.

```

<wsdl:operation name="CountCommentsOfUserOnUrl"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:CountCommentsOfUserOnUrlSoapIn"/>
  <wsdl:output message="tns:CountCommentsOfUserOnUrlSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **CountCommentsOfUserOnUrlSoapIn** request message (section [3.1.4.5.1.1](#)) and the protocol server responds with a **CountCommentsOfUserOnUrlSoapOut** response message (section [3.1.4.5.1.2](#)).

If the specified user profile does not exist, the protocol server MUST send a SOAP fault message.

3.1.4.5.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
CountCommentsOfUserOnUrlSoapIn	The request WSDL message for the CountCommentsOfUserOnUrl WSDL operation.
CountCommentsOfUserOnUrlSoapOut	The response WSDL message for the CountCommentsOfUserOnUrl WSDL operation.

3.1.4.5.1.1 CountCommentsOfUserOnUrlSoapIn

The request WSDL message for the **CountCommentsOfUserOnUrl** WSDL operation.

The SOAP action value is:

```

http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCommentsOfUserOnUrl

```

The SOAP body contains the **CountCommentsOfUserOnUrl** element.

3.1.4.5.1.2 CountCommentsOfUserOnUrlSoapOut

The response WSDL message for the **CountCommentsOfUserOnUrl** WSDL operation.

The SOAP body contains the **CountCommentsOfUserOnUrlResponse** element.

3.1.4.5.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
CountCommentsOfUserOnUrl	The input data for the CountCommentsOfUserOnUrl WSDL operation.
CountCommentsOfUserOnUrlResponse	The result data for the CountCommentsOfUserOnUrl WSDL operation.

3.1.4.5.2.1 CountCommentsOfUserOnUrl

The **CountCommentsOfUserOnUrl** element specifies the input data for the **CountCommentsOfUserOnUrl** WSDL operation.

```
<xs:element name="CountCommentsOfUserOnUrl" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

userAccountName: A string type that specifies the user login name of the user profile to retrieve the count of social comments for.

url: A string type that specifies the URI to retrieve the count of social comments for. This value MUST be fewer than or equal to 2,084 characters, and MUST be URI format.

3.1.4.5.2.2 CountCommentsOfUserOnUrlResponse

The **CountCommentsOfUserOnUrlResponse** element specifies the result data for the **CountCommentsOfUserOnUrl** WSDL operation.

```
<xs:element name="CountCommentsOfUserOnUrlResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CountCommentsOfUserOnUrlResult"
        type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

CountCommentsOfUserOnUrlResult: An integer type that specifies the total number of social comments for the specified user profile and for the specified URI. If the protocol server cannot find the count of social comments, the protocol server MUST return zero.

3.1.4.5.3 Complex Types

None.

3.1.4.5.4 Simple Types

None.

3.1.4.5.5 Attributes

None.

3.1.4.5.6 Groups

None.

3.1.4.5.7 Attribute Groups

None.

3.1.4.6 CountCommentsOnUrl

The **CountCommentsOnUrl** operation retrieves the total number of social comments for a specified URI.

```
<wsdl:operation name="CountCommentsOnUrl" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:CountCommentsOnUrlSoapIn"/>
  <wsdl:output message="tns:CountCommentsOnUrlSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **CountCommentsOnUrlSoapIn** request message (section [3.1.4.6.1.1](#)) and the protocol server responds with a **CountCommentsOnUrlSoapOut** response message (section [3.1.4.6.1.2](#)).

3.1.4.6.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
CountCommentsOnUrlSoapIn	The request WSDL message for the CountCommentsOnUrl WSDL operation.
CountCommentsOnUrlSoapOut	The response WSDL message for the CountCommentsOnUrl WSDL operation.

3.1.4.6.1.1 CountCommentsOnUrlSoapIn

The request WSDL message for the **CountCommentsOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCommentsOnUrl
```

The SOAP body contains the **CountCommentsOnUrl** element.

3.1.4.6.1.2 CountCommentsOnUrlSoapOut

The response WSDL message for the **CountCommentsOnUrl** WSDL operation.

The SOAP body contains the **CountCommentsOnUrlResponse** element.

3.1.4.6.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
CountCommentsOnUrl	The input data for the CountCommentsOnUrl WSDL operation.
CountCommentsOnUrlResponse	The result data for the CountCommentsOnUrl WSDL operation.

3.1.4.6.2.1 CountCommentsOnUrl

The **CountCommentsOnUrl** element specifies the input data for the **CountCommentsOnUrl** WSDL operation.

```
<xs:element name="CountCommentsOnUrl" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI to retrieve the count of social comments for. The value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

3.1.4.6.2.2 CountCommentsOnUrlResponse

The **CountCommentsOnUrlResponse** element specifies the result data for the **CountCommentsOnUrl** WSDL operation.

```
<xs:element name="CountCommentsOnUrlResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CountCommentsOnUrlResult" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

CountCommentsOnUrlResult: An integer that represents the total number of social comments at the specified URI. If the protocol server cannot find the count of social comments, the protocol server MUST return zero.

3.1.4.6.3 Complex Types

None.

3.1.4.6.4 Simple Types

None.

3.1.4.6.5 Attributes

None.

3.1.4.6.6 Groups

None.

3.1.4.6.7 Attribute Groups

None.

3.1.4.7 CountRatingsOnUrl

The **CountRatingsOnUrl** operation retrieves the total number of social ratings for a specified URI.

```
<wsdl:operation name="CountRatingsOnUrl" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:CountRatingsOnUrlSoapIn"/>
  <wsdl:output message="tns:CountRatingsOnUrlSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **CountRatingsOnUrlSoapIn** request message section [3.1.4.7.1.1](#)() and the protocol server responds with a **CountRatingsOnUrlSoapOut** response message (section [3.1.4.7.1.2](#)).

3.1.4.7.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
CountRatingsOnUrlSoapIn	The request WSDL message for the CountRatingsOnUrl WSDL operation.
CountRatingsOnUrlSoapOut	The response WSDL message for the CountRatingsOnUrl WSDL operation.

3.1.4.7.1.1 CountRatingsOnUrlSoapIn

The request WSDL message for the **CountRatingsOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountRatingsOnUrl
```

The SOAP body contains the **CountRatingsOnUrl** element.

3.1.4.7.1.2 CountRatingsOnUrlSoapOut

The response WSDL message for the **CountRatingsOnUrl** WSDL operation.

The SOAP body contains the **CountRatingsOnUrlResponse** element.

3.1.4.7.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
CountRatingsOnUrl	The input data for the CountRatingsOnUrl WSDL operation.
CountRatingsOnUrlResponse	The result data for the CountRatingsOnUrl WSDL operation.

3.1.4.7.2.1 CountRatingsOnUrl

The **CountRatingsOnUrl** element specifies the input data for the **CountRatingsOnUrl** WSDL operation.

```
<xs:element name="CountRatingsOnUrl" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI to retrieve the count of social ratings for. This value **MUST** be fewer than or equal to 2,084 characters and **MUST** be URI format.

3.1.4.7.2.2 CountRatingsOnUrlResponse

The **CountRatingsOnUrlResponse** element specifies the result data for the **CountRatingsOnUrl** WSDL operation.

```
<xs:element name="CountRatingsOnUrlResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CountRatingsOnUrlResult" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

CountRatingsOnUrlResult: An integer type that represents the total number of social ratings for the specified URI. If the protocol server cannot find the count of social ratings, the protocol server **MUST** return zero.

3.1.4.7.3 Complex Types

None.

3.1.4.7.4 Simple Types

None.

3.1.4.7.5 Attributes

None.

3.1.4.7.6 Groups

None.

3.1.4.7.7 Attribute Groups

None.

3.1.4.8 CountTagsOfUser

The **CountTagsOfUser** operation retrieves the total number of social tags for a specified user profile.

```
<wsdl:operation name="CountTagsOfUser" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:CountTagsOfUserSoapIn"/>
  <wsdl:output message="tns:CountTagsOfUserSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **CountTagsOfUserSoapIn** request message (section [3.1.4.8.1.1](#)) and the protocol server responds with a **CountTagsOfUserSoapOut** response message (section [3.1.4.8.1.2](#)).

If the name of the current user is equal to the value of the specified **userAccountName** or the current user is an administrator, the protocol server MUST return the count of both private social tags and public social tags which is determined by the **IsPrivate** field (1) of the tag (see section [2.2.4.18](#)). If the name of the current user is not equal to the value of the specified **userAccountName** and the current user is not an administrator, the protocol server MUST return the count of public social tags only.

3.1.4.8.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
CountTagsOfUserSoapIn	The request WSDL message for the CountTagsOfUser WSDL operation.
CountTagsOfUserSoapOut	The response WSDL message for the CountTagsOfUser WSDL operation.

3.1.4.8.1.1 CountTagsOfUserSoapIn

The request WSDL message for the **CountTagsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountTagsOfUser
```

The SOAP body contains the **CountTagsOfUser** element.

3.1.4.8.1.2 CountTagsOfUserSoapOut

The response WSDL message for the **CountTagsOfUser** WSDL operation.

The SOAP body contains the **CountTagsOfUserResponse** element.

3.1.4.8.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
CountTagsOfUser	The input data for the CountTagsOfUser WSDL operation.
CountTagsOfUserResponse	The result data for the CountTagsOfUser WSDL operation.

3.1.4.8.2.1 CountTagsOfUser

The **CountTagsOfUser** element specifies the input data for the **CountTagsOfUser** WSDL operation.

```
<xs:element name="CountTagsOfUser" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

userAccountName: A string type that specifies the user login name of the user profile to retrieve the count of social tags for.

3.1.4.8.2.2 CountTagsOfUserResponse

The **CountTagsOfUserResponse** element specifies the result data for the **CountTagsOfUser** WSDL operation.

```
<xs:element name="CountTagsOfUserResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="CountTagsOfUserResult" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

CountTagsOfUserResult: An integer type that represents the total number of social tags for the specified user profile. If the protocol server cannot find the count of social tags for the specified user, the protocol server **MUST** return zero.

3.1.4.8.3 Complex Types

None.

3.1.4.8.4 Simple Types

None.

3.1.4.8.5 Attributes

None.

3.1.4.8.6 Groups

None.

3.1.4.8.7 Attribute Groups

None.

3.1.4.9 DeleteComment

The **DeleteComment** operation deletes a social comment that is associated with the current user, stored at a specified URI, and was last modified at a specified time.

```
<wsdl:operation name="DeleteComment" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:DeleteCommentSoapIn"/>
  <wsdl:output message="tns:DeleteCommentSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **DeleteCommentSoapIn** request message (section [3.1.4.9.1.1](#)) and the protocol server responds with a **DeleteCommentSoapOut** response message (section [3.1.4.9.1.2](#)).

The protocol server MUST delete only the social comment that is associated with the current user, is associated with the specified URI, and was last modified at the specified time.

3.1.4.9.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
DeleteCommentSoapIn	The request WSDL message for the DeleteComment WSDL operation.
DeleteCommentSoapOut	The response WSDL message for the DeleteComment WSDL operation.

3.1.4.9.1.1 DeleteCommentSoapIn

The request WSDL message for the **DeleteComment** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteComment
```

The SOAP body contains the **DeleteComment** element.

3.1.4.9.1.2 DeleteCommentSoapOut

The response WSDL message for the **DeleteComment** WSDL operation.

The SOAP body contains the **DeleteCommentResponse** element.

3.1.4.9.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
DeleteComment	The input data for the DeleteComment WSDL operation.
DeleteCommentResponse	The result data for the DeleteComment WSDL operation.

3.1.4.9.2.1 DeleteComment

The **DeleteComment** element specifies the input data for the **DeleteComment** WSDL operation.

```
<xs:element name="DeleteComment" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="lastModifiedTime" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI that is associated with the social comment to delete. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

lastModifiedTime: A dateTime value that specifies when the social comment to delete was last modified.

3.1.4.9.2.2 DeleteCommentResponse

The **DeleteCommentResponse** element specifies the result data for the **DeleteComment** WSDL operation.

```
<xs:element name="DeleteCommentResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType/>
</xs:element>
```

3.1.4.9.3 Complex Types

None.

3.1.4.9.4 Simple Types

None.

3.1.4.9.5 Attributes

None.

3.1.4.9.6 Groups

None.

3.1.4.9.7 Attribute Groups

None.

3.1.4.10 DeleteRating

The **DeleteRating** operation deletes a social rating that is associated with the current user for a specified URI.

```
<wsdl:operation name="DeleteRating" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:DeleteRatingSoapIn"/>
  <wsdl:output message="tns:DeleteRatingSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **DeleteRatingSoapIn** request message (section [3.1.4.10.1.1](#)) and the protocol server responds with a **DeleteRatingSoapOut** response message (section [3.1.4.10.1.2](#)).

The protocol server MUST delete only the social rating that is associated with both the current user and the specified URI.

3.1.4.10.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
DeleteRatingSoapIn	The request WSDL message for the DeleteRating WSDL operation.
DeleteRatingSoapOut	The response WSDL message for the DeleteRating WSDL operation.

3.1.4.10.1.1 DeleteRatingSoapIn

The request WSDL message for the **DeleteRating** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteRating
```

The SOAP body contains the **DeleteRating** element.

3.1.4.10.1.2 DeleteRatingSoapOut

The response WSDL message for the **DeleteRating** WSDL operation.

The SOAP body contains the **DeleteRatingResponse** element.

3.1.4.10.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
DeleteRating	The input data for the DeleteRating WSDL operation.
DeleteRatingResponse	The result data for the DeleteRating WSDL operation.

3.1.4.10.2.1 DeleteRating

The **DeleteRating** element specifies the input data for the **DeleteRating** WSDL operation.

```
<xs:element name="DeleteRating" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI that is associated with the social rating to delete. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

3.1.4.10.2.2 DeleteRatingResponse

The **DeleteRatingResponse** element specifies the result data for the **DeleteRating** WSDL operation.

```
<xs:element name="DeleteRatingResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType/>
</xs:element>
```

3.1.4.10.3 Complex Types

None.

3.1.4.10.4 Simple Types

None.

3.1.4.10.5 Attributes

None.

3.1.4.10.6 Groups

None.

3.1.4.10.7 Attribute Groups

None.

3.1.4.11 DeleteTag

The **DeleteTag** operation deletes the social tag that is associated with the current user and for the specified URI and social tag term identifier.

```
<wsdl:operation name="DeleteTag" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:DeleteTagSoapIn"/>
  <wsdl:output message="tns:DeleteTagSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **DeleteTagSoapIn** request message (section [3.1.4.11.1.1](#)) and the protocol server responds with a **DeleteTagSoapOut** response message (section [3.1.4.11.1.2](#)).

The protocol server MUST delete only the social tag that is associated with the current user and for the specified URI and social tag term identifier.

If no social tag term exists for the specified **termID** (see section [3.1.4.11.2.1](#)), the protocol server MUST send a SOAP fault message.

3.1.4.11.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
DeleteTagSoapIn	The request WSDL message for the DeleteTag WSDL operation.
DeleteTagSoapOut	The response WSDL message for the DeleteTag WSDL operation.

3.1.4.11.1.1 DeleteTagSoapIn

The request WSDL message for the **DeleteTag** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteTag
```

The SOAP body contains the **DeleteTag** element.

3.1.4.11.1.2 DeleteTagSoapOut

The response WSDL message for the **DeleteTag** WSDL operation.

The SOAP body contains the **DeleteTagResponse** element.

3.1.4.11.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
DeleteTag	The input data for the DeleteTag WSDL operation.
DeleteTagResponse	The result data for the DeleteTag WSDL operation.

3.1.4.11.2.1 DeleteTag

The **DeleteTag** element specifies the input data for the **DeleteTag** WSDL operation.

```
<xs:element name="DeleteTag" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="termID"
        xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI that is associated with the social tag to delete. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

termID: A GUID type that identifies the social tag term. This value is the same as the **Id** value of the **TermDetail** complex type (section [2.2.4.21](#)) for the term.

3.1.4.11.2.2 DeleteTagResponse

The **DeleteTagResponse** element specifies the result data for the **DeleteTag** WSDL operation.

```
<xs:element name="DeleteTagResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType/>
</xs:element>
```

3.1.4.11.3 Complex Types

None.

3.1.4.11.4 Simple Types

None.

3.1.4.11.5 Attributes

None.

3.1.4.11.6 Groups

None.

3.1.4.11.7 Attribute Groups

None.

3.1.4.12 DeleteTagByKeyword

The **DeleteTagByKeyword** operation deletes a social tag based on a keyword parameter, the current user, and a specified URI.

```
<wsdl:operation name="DeleteTagByKeyword" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:DeleteTagByKeywordSoapIn"/>
  <wsdl:output message="tns:DeleteTagByKeywordSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **DeleteTagByKeywordSoapIn** request message (section [3.1.4.12.1.1](#)) and the protocol server responds with a **DeleteTagByKeywordSoapOut** response message (section [3.1.4.12.1.2](#)).

The protocol server MUST delete only that social tag which is identified by the specified keyword and is associated with the current user for the specified URI.

If a social tag term does not exist for the specified keyword, the protocol server MUST send a SOAP fault message.

3.1.4.12.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
DeleteTagByKeywordSoapIn	The request WSDL message for the DeleteTagByKeyword WSDL operation.
DeleteTagByKeywordSoapOut	The response WSDL message for the DeleteTagByKeyword WSDL operation.

3.1.4.12.1.1 DeleteTagByKeywordSoapIn

The request WSDL message for the **DeleteTagByKeyword** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteTagByKeyword
```

The SOAP body contains the **DeleteTagByKeyword** element.

3.1.4.12.1.2 DeleteTagByKeywordSoapOut

The response WSDL message for the **DeleteTagByKeyword** WSDL operation.

The SOAP body contains the **DeleteTagByKeywordResponse** element.

3.1.4.12.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
DeleteTagByKeyword	The input data for the DeleteTagByKeyword WSDL operation.
DeleteTagByKeywordResponse	The result data for the DeleteTagByKeyword WSDL operation.

3.1.4.12.2.1 DeleteTagByKeyword

The **DeleteTagByKeyword** element specifies the input data for the **DeleteTagByKeyword** WSDL operation.

```
<xs:element name="DeleteTagByKeyword" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI that is associated with the social tag to delete. This value MUST be fewer than 2,085 characters and MUST be URI format.

keyword: A string type that contains the keyword that identifies the social tag term. The value of this element MUST be the same as the value of the **Name** element of an existing **TermDetail** complex type (section [2.2.4.21](#)).

3.1.4.12.2.2 DeleteTagByKeywordResponse

The **DeleteTagByKeywordResponse** element specifies the result data for the **DeleteTagByKeyword** WSDL operation.

```
<xs:element name="DeleteTagByKeywordResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType/>
</xs:element>
```

3.1.4.12.3 Complex Types

None.

3.1.4.12.4 Simple Types

None.

3.1.4.12.5 Attributes

None.

3.1.4.12.6 Groups

None.

3.1.4.12.7 Attribute Groups

None.

3.1.4.13 DeleteTags

The **DeleteTags** operation deletes all of the social tags that are associated with the current user for a specified URI.

```
<wsdl:operation name="DeleteTags" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:DeleteTagsSoapIn"/>
  <wsdl:output message="tns:DeleteTagsSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **DeleteTagsSoapIn** request message (section [3.1.4.13.1.1](#)) and the protocol server responds with a **DeleteTagsSoapOut** response message (section [3.1.4.13.1.2](#)).

The protocol server MUST delete only those social tags that are associated with both the current user and the specified URI.

3.1.4.13.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
DeleteTagsSoapIn	The request WSDL message for the DeleteTags WSDL operation.
DeleteTagsSoapOut	The response WSDL message for the DeleteTags WSDL operation.

3.1.4.13.1.1 DeleteTagsSoapIn

The request WSDL message for the **DeleteTags** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteTags
```

The SOAP body contains the **DeleteTags** element.

3.1.4.13.1.2 DeleteTagsSoapOut

The response WSDL message for the **DeleteTags** WSDL operation.

The SOAP body contains the **DeleteTagsResponse** element.

3.1.4.13.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
DeleteTags	The input data for the DeleteTags WSDL operation.
DeleteTagsResponse	The result data for the DeleteTags WSDL operation.

3.1.4.13.2.1 DeleteTags

The **DeleteTags** element specifies the input data for the **DeleteTags** WSDL operation.

```
<xs:element name="DeleteTags" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI to delete the social tags from. This value **MUST** be fewer than or equal to 2,084 characters and **MUST** be URI format.

3.1.4.13.2.2 DeleteTagsResponse

The **DeleteTagsResponse** element specifies the result data for the **DeleteTags** WSDL operation.

```
<xs:element name="DeleteTagsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType/>
</xs:element>
```

3.1.4.13.3 Complex Types

None.

3.1.4.13.4 Simple Types

None.

3.1.4.13.5 Attributes

None.

3.1.4.13.6 Groups

None.

3.1.4.13.7 Attribute Groups

None.

3.1.4.14 GetAllTagTerms

The **GetAllTagTerms** operation retrieves all social tag terms.

```
<wsdl:operation name="GetAllTagTerms" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetAllTagTermsSoapIn"/>
  <wsdl:output message="tns:GetAllTagTermsSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetAllTagTermsSoapIn** request message (section [3.1.4.14.1.1](#)) and the protocol server responds with a **GetAllTagTermsSoapOut** response message (section [3.1.4.14.1.2](#)).

3.1.4.14.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetAllTagTermsSoapIn	The request WSDL message for the GetAllTagTerms WSDL operation.
GetAllTagTermsSoapOut	The response WSDL message for the GetAllTagTerms WSDL operation.

3.1.4.14.1.1 GetAllTagTermsSoapIn

The request WSDL message for the **GetAllTagTerms** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllTagTerms
```

The SOAP body contains the **GetAllTagTerms** element.

3.1.4.14.1.2 GetAllTagTermsSoapOut

The response WSDL message for the **GetAllTagTerms** WSDL operation.

The SOAP body contains the **GetAllTagTermsResponse** element.

3.1.4.14.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAllTagTerms	The input data for the GetAllTagTerms WSDL operation.
GetAllTagTermsResponse	The result data for the GetAllTagTerms WSDL operation.

3.1.4.14.2.1 GetAllTagTerms

The **GetAllTagTerms** element specifies the input data for the **GetAllTagTerms** WSDL operation.

```
<xs:element name="GetAllTagTerms" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
```

```

    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

maximumItemsToReturn: An integer type that specifies the maximum number of items to return. This value **MUST** be greater than or equal to zero ("0") or null. When zero or null is passed, the protocol server **MUST** return a maximum of 1000 results.

3.1.4.14.2 GetAllTagTermsResponse

The **GetAllTagTermsResponse** element specifies the result data for the **GetAllTagTerms** WSDL operation.

```

<xs:element name="GetAllTagTermsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetAllTagTermsResult"
type="tns:ArrayOfSocialTermDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

GetAllTagTermsResult: An **ArrayOfSocialTermDetail** complex type (section [2.2.4.7](#)), that contains the results in descending order on the **SocialTermDetail Count** value. This element **MUST** be returned when the operation succeeds. There **MUST** be one entry for each social tag term, up to any maximum number of entries, as defined by the value of the **maximumItemsToReturn** element (see section [3.1.4.14.2.1](#)). The protocol server **MUST** trim the results by removing all elements after the first N elements, where N is specified by the value of the **maximumItemsToReturn** element.

3.1.4.14.3 Complex Types

None.

3.1.4.14.4 Simple Types

None.

3.1.4.14.5 Attributes

None.

3.1.4.14.6 Groups

None.

3.1.4.14.7 Attribute Groups

None.

3.1.4.15 GetAllTagTermsForUrlFolder

The **GetAllTagTermsForUrlFolder** operation retrieves all social tag terms for a given Url.

```
<wsdl:operation name="GetAllTagTermsForUrlFolder"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetAllTagTermsForUrlFolderSoapIn"/>
  <wsdl:output message="tns:GetAllTagTermsForUrlFolderSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetAllTagTermsForUrlFolderSoapIn** request message (section [3.1.4.15.1.1](#)) and the protocol server responds with a **GetAllTagTermsForUrlFolderSoapOut** response message (section [3.1.4.15.1.2](#)).

3.1.4.15.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetAllTagTermsForUrlFolderSoapIn	The request WSDL message for the GetAllTagTermsForUrlFolder WSDL operation.
GetAllTagTermsForUrlFolderSoapOut	The response WSDL message for the GetAllTagTermsForUrlFolder WSDL operation.

3.1.4.15.1.1 GetAllTagTermsForUrlFolderSoapIn

The request WSDL message for the **GetAllTagTermsForUrlFolder** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllTagTermsForUrlFolder
```

The SOAP body contains the **GetAllTagTermsForUrlFolder** element.

3.1.4.15.1.2 GetAllTagTermsForUrlFolderSoapOut

The response WSDL message for the **GetAllTagTermsForUrlFolder** WSDL operation.

The SOAP body contains the **GetAllTagTermsForUrlFolderResponse** element.

3.1.4.15.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAllTagTermsForUrlFolder	The input data for the GetAllTagTermsForUrlFolder WSDL operation.

Element	Description
GetAllTagTermsForUrlFolderResponse	The result data for the GetAllTagTermsForUrlFolder WSDL operation.

3.1.4.15.2.1 GetAllTagTermsForUrlFolder

The **GetAllTagTermsForUrlFolder** element specifies the input data for the **GetAllTagTermsForUrlFolder** WSDL operation.

```
<xs:element name="GetAllTagTermsForUrlFolder" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="urlFolder" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

urlFolder: A string which specifies the Url which the social tags should be retrieved for.

maximumItemsToReturn: An integer type that specifies the maximum number of items to return. This value MUST be greater than or equal to zero ("0") and less than 1001 or null. When zero or null is passed, the protocol server MUST return a maximum of 1000 results.

3.1.4.15.2.2 GetAllTagTermsForUrlFolderResponse

The **GetAllTagTermsForUrlFolderResponse** element specifies the result data for the **GetAllTagTermsForUrlFolder** WSDL operation.

```
<xs:element name="GetAllTagTermsForUrlFolderResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetAllTagTermsForUrlFolderResult"
        type="tns:ArrayOfSocialTermDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetAllTagTermsForUrlFolderResult: An **ArrayOfSocialTermDetail** complex type (section [2.2.4.7](#)), that contains the results. This element MUST be returned when the operation succeeds. There MUST be one entry for each social tag term, up to any maximum number of entries, as defined by the value of the **maximumItemsToReturn** element (see section [3.1.4.15.2.1](#)).

3.1.4.15.3 Complex Types

None.

3.1.4.15.4 Simple Types

None.

3.1.4.15.5 Attributes

None.

3.1.4.15.6 Groups

None.

3.1.4.15.7 Attribute Groups

None.

3.1.4.16 GetAllTagUrls

The **GetAllTagUrls** operation retrieves all of the social tag URLs that are associated with a specified social tag term.

```
<wsdl:operation name="GetAllTagUrls" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetAllTagUrlsSoapIn"/>
  <wsdl:output message="tns:GetAllTagUrlsSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetAllTagUrlsSoapIn** request message section [3.1.4.16.1.1\(\)](#) and the protocol server responds with a **GetAllTagUrlsSoapOut** response message (section [3.1.4.16.1.2](#)).

3.1.4.16.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetAllTagUrlsSoapIn	The request WSDL message for the GetAllTagUrls WSDL operation.
GetAllTagUrlsSoapOut	The response WSDL message for the GetAllTagUrls WSDL operation.

3.1.4.16.1.1 GetAllTagUrlsSoapIn

The request WSDL message for the **GetAllTagUrls** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllTagUrls
```

The SOAP body contains the **GetAllTagUrls** element.

3.1.4.16.1.2 GetAllTagUrlsSoapOut

The response WSDL message for the **GetAllTagUrls** WSDL operation.

The SOAP body contains the **GetAllTagUrlsResponse** element.

3.1.4.16.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAllTagUrls	The input data for the GetAllTagUrls WSDL operation.
GetAllTagUrlsResponse	The result data for the GetAllTagUrls WSDL operation.

3.1.4.16.2.1 GetAllTagUrls

The **GetAllTagUrls** element specifies the input data for the **GetAllTagUrls** WSDL operation.

```
<xs:element name="GetAllTagUrls" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="termID"
        xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

termID: A GUID type that identifies the social tag term to retrieve results for. The social tag term referenced by this **termID** MUST be available for tagging. If this value does not match the identifier for an existing social tag term, the protocol server MUST send a SOAP fault message.

3.1.4.16.2.2 GetAllTagUrlsResponse

The **GetAllTagUrlsResponse** element specifies the result data for the **GetAllTagUrls** WSDL operation.

```
<xs:element name="GetAllTagUrlsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetAllTagUrlsResult"
        type="tns:ArrayOfSocialUrlDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetAllTagUrlsResult: An **ArrayOfSocialUrlDetail** complex type (section [2.2.4.8](#)), that contains the results. This element MUST be returned when the operation succeeds. There MUST be one entry for each social tag URL for the specified social tag term.

3.1.4.16.3 Complex Types

None.

3.1.4.16.4 Simple Types

None.

3.1.4.16.5 Attributes

None.

3.1.4.16.6 Groups

None.

3.1.4.16.7 Attribute Groups

None.

3.1.4.17 GetAllTagUrlsByKeyword

The **GetAllTagUrlsByKeyword** operation retrieves all of the social tag URLs that are associated with a specified social tag term.

```
<wsdl:operation name="GetAllTagUrlsByKeyword" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetAllTagUrlsByKeywordSoapIn"/>
  <wsdl:output message="tns:GetAllTagUrlsByKeywordSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetAllTagUrlsSoapIn** request message (section [3.1.4.17.1.1](#)) and the protocol server responds with a **GetAllTagUrlsSoapOut** response message (section [3.1.4.17.1.2](#)).

3.1.4.17.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetAllTagUrlsByKeywordSoapIn	The request WSDL message for the GetAllTagUrlsByKeyword WSDL operation.
GetAllTagUrlsByKeywordSoapOut	The response WSDL message for the GetAllTagUrlsByKeyword WSDL operation.

3.1.4.17.1.1 GetAllTagUrlsByKeywordSoapIn

The request WSDL message for the **GetAllTagUrlsByKeyword** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllTagUrlsByKeyword
```

The SOAP body contains the **GetAllTagUrlsByKeyword** element.

3.1.4.17.1.2 GetAllTagUrlsByKeywordSoapOut

The response WSDL message for the **GetAllTagUrlsByKeyword** WSDL operation.

The SOAP body contains the **GetAllTagUrlsByKeywordResponse** element.

3.1.4.17.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAllTagUrlsByKeyword	The input data for the GetAllTagUrlsByKeyword WSDL operation.
GetAllTagUrlsByKeywordResponse	The result data for the GetAllTagUrlsByKeyword WSDL operation.

3.1.4.17.2.1 GetAllTagUrlsByKeyword

The **GetAllTagUrlsByKeyword** element specifies the input data for the **GetAllTagUrlsByKeyword** WSDL operation.

```
<xs:element name="GetAllTagUrlsByKeyword" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

keyword: A string type that specifies the social tag term to return social tag URLs for. This value matches the **Name** value of an existing **TermDetail** complex type (section [2.2.4.21](#)). The social tag term referenced by this value **MUST** be available for tagging. If the specified value is not an existing social tag term, the protocol server **MUST** send a SOAP fault message.

3.1.4.17.2.2 GetAllTagUrlsByKeywordResponse

The **GetAllTagUrlsByKeywordResponse** element specifies the result data for the **GetAllTagUrlsByKeyword** WSDL operation.

```
<xs:element name="GetAllTagUrlsByKeywordResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetAllTagUrlsByKeywordResult"
        type="tns:ArrayOfSocialUrlDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetAllTagUrlsByKeywordResult: An **ArrayOfSocialUrlDetail** complex type (section [2.2.4.8](#)), that contains the results. This element **MUST** be returned when the operation succeeds. There **MUST** be one entry for each social tag URL for the specified social tag term.

3.1.4.17.3 Complex Types

None.

3.1.4.17.4 Simple Types

None.

3.1.4.17.5 Attributes

None.

3.1.4.17.6 Groups

None.

3.1.4.17.7 Attribute Groups

None.

3.1.4.18 GetCommentsOfUser

The **GetCommentsOfUser** operation retrieves the social comments that are associated with a specified user profile.

```
<wsdl:operation name="GetCommentsOfUser" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetCommentsOfUserSoapIn"/>
  <wsdl:output message="tns:GetCommentsOfUserSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetCommentsOfUserSoapIn** request message (section [3.1.4.18.1.1](#)) and the protocol server responds with a **GetCommentsOfUserSoapOut** response message (section [3.1.4.18.1.2](#)).

If the specified user profile does not exist, the protocol server MUST send a SOAP fault message.

3.1.4.18.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetCommentsOfUserSoapIn	The request WSDL message for the GetCommentsOfUser WSDL operation.
GetCommentsOfUserSoapOut	The response WSDL message for the GetCommentsOfUser WSDL operation.

3.1.4.18.1.1 GetCommentsOfUserSoapIn

The request WSDL message for the **GetCommentsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetCommentsOfUser
```

The SOAP body contains the **GetCommentsOfUser** element.

3.1.4.18.1.2 GetCommentsOfUserSoapOut

The response WSDL message for the **GetCommentsOfUser** WSDL operation.

The SOAP body contains the **GetCommentsOfUserResponse** element.

3.1.4.18.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetCommentsOfUser	The input data for the GetCommentsOfUser WSDL operation.
GetCommentsOfUserResponse	The result data for the GetCommentsOfUser WSDL operation.

3.1.4.18.2.1 GetCommentsOfUser

The **GetCommentsOfUser** element specifies the input data for the **GetCommentsOfUser** WSDL operation.

```
<xs:element name="GetCommentsOfUser" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="startIndex" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

userAccountName: A string type that specifies the user login name of the user profile for which to retrieve social comments.

maximumItemsToReturn: An integer type that indicates the maximum number of social comments to return. This value **MUST** be greater than or equal to zero, or **null**. This value **MUST** be less than 1001. If this value is zero or null, then the protocol server **MUST** limit the number of social comments that are returned to 100.

startIndex: An integer type that specifies the zero-based index into the total set of comments retrievable by this operation for which the returned set starts. The protocol server **MUST NOT** include any comments with indices that are less than the specified value. This value **MUST** be greater than or equal to zero, or **null**. If this value is zero or **null**, then the protocol server **MUST** use the first social comment in the total set of comments retrievable by this operation as the starting value when returning the social comments.

3.1.4.18.2.2 GetCommentsOfUserResponse

The **GetCommentsOfUserResponse** element specifies the result data for the **GetCommentsOfUser** WSDL operation.

```

<xs:element name="GetCommentsOfUserResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetCommentsOfUserResult"
type="tns:ArrayOfSocialCommentDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

GetCommentsOfUserResult: An **ArrayOfSocialCommentDetail** complex type (section [2.2.4.4](#)) that contains the requested social comments. This element MUST be returned when the operation succeeds.

3.1.4.18.3 Complex Types

None.

3.1.4.18.4 Simple Types

None.

3.1.4.18.5 Attributes

None.

3.1.4.18.6 Groups

None.

3.1.4.18.7 Attribute Groups

None.

3.1.4.19 GetCommentsOfUserOnUrl

The **GetCommentsOfUserOnUrl** operation retrieves the social comments that are associated with a specified user profile and for a specified URI.

```

<wsdl:operation name="GetCommentsOfUserOnUrl" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetCommentsOfUserOnUrlSoapIn"/>
  <wsdl:output message="tns:GetCommentsOfUserOnUrlSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **GetCommentsOfUserOnUrlSoapIn** request message (section [3.1.4.19.1.1](#)) and the protocol server responds with a **GetCommentsOfUserOnUrlSoapOut** response message (section [3.1.4.19.1.2](#)).

If the specified user profile does not exist, the protocol server MUST send a SOAP fault message.

3.1.4.19.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetCommentsOfUserOnUrlSoapIn	The request WSDL message for the GetCommentsOfUserOnUrl WSDL operation.
GetCommentsOfUserOnUrlSoapOut	The response WSDL message for the GetCommentsOfUserOnUrl WSDL operation.

3.1.4.19.1.1 GetCommentsOfUserOnUrlSoapIn

The request WSDL message for the **GetCommentsOfUserOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetCommentsOfUserOnUrl
```

The SOAP body contains the **GetCommentsOfUserOnUrl** element.

3.1.4.19.1.2 GetCommentsOfUserOnUrlSoapOut

The response WSDL message for the **GetCommentsOfUserOnUrl** WSDL operation.

The SOAP body contains the **GetCommentsOfUserOnUrlResponse** element.

3.1.4.19.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetCommentsOfUserOnUrl	The input data for the GetCommentsOfUserOnUrl WSDL operation.
GetCommentsOfUserOnUrlResponse	The result data for the GetCommentsOfUserOnUrl WSDL operation.

3.1.4.19.2.1 GetCommentsOfUserOnUrl

The **GetCommentsOfUserOnUrl** element specifies the input data for the **GetCommentsOfUserOnUrl** WSDL operation.

```
<xs:element name="GetCommentsOfUserOnUrl" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

userAccountName: A string type that specifies the user login name of the user profile to retrieve social comments for.

url: A string type that specifies the URI to retrieve social comments for. This value **MUST** be fewer than or equal to 2,084 characters and **MUST** be URI format.

3.1.4.19.2.2 GetCommentsOfUserOnUrlResponse

The **GetCommentsOfUserOnUrlResponse** element specifies the result data for the **GetCommentsOfUserOnUrl** WSDL operation.

```
<xs:element name="GetCommentsOfUserOnUrlResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetCommentsOfUserOnUrlResult"
        type="tns:ArrayOfSocialCommentDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetCommentsOfUserOnUrlResult: An **ArrayOfSocialCommentDetail** complex type (section [2.2.4.4](#)) that contains the requested social comments. This element **MUST** be returned when the operation succeeds. The protocol server **MUST** limit the results to 1000.

3.1.4.19.3 Complex Types

None.

3.1.4.19.4 Simple Types

None.

3.1.4.19.5 Attributes

None.

3.1.4.19.6 Groups

None.

3.1.4.19.7 Attribute Groups

None.

3.1.4.20 GetCommentsOnUrl

The **GetCommentsOnUrl** operation retrieves all of the social comments for a specified URI and for a specified set of parameters.

```
<wsdl:operation name="GetCommentsOnUrl" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetCommentsOnUrlSoapIn"/>
  <wsdl:output message="tns:GetCommentsOnUrlSoapOut"/>
</wsdl:operation>
```


The protocol client sends a **GetCommentsOnUrlSoapIn** request message (section [3.1.4.20.1.1](#)) and the protocol server responds with a **GetCommentsOnUrlSoapOut** response message (section [3.1.4.20.1.2](#)).

3.1.4.20.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetCommentsOnUrlSoapIn	The request WSDL message for the GetCommentsOnUrl WSDL operation.
GetCommentsOnUrlSoapOut	The response WSDL message for the GetCommentsOnUrl WSDL operation.

3.1.4.20.1.1 GetCommentsOnUrlSoapIn

The request WSDL message for the **GetCommentsOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetCommentsOnUrl
```

The SOAP body contains the **GetCommentsOnUrl** element.

3.1.4.20.1.2 GetCommentsOnUrlSoapOut

The response WSDL message for the **GetCommentsOnUrl** WSDL operation.

The SOAP body contains the **GetCommentsOnUrlResponse** element.

3.1.4.20.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetCommentsOnUrl	The input data for the GetCommentsOnUrl WSDL operation.
GetCommentsOnUrlResponse	The result data for the GetCommentsOnUrl WSDL operation.

3.1.4.20.2.1 GetCommentsOnUrl

The **GetCommentsOnUrl** element specifies the input data for the **GetCommentsOnUrl** WSDL operation.

```
<xs:element name="GetCommentsOnUrl" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

        <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
        <xs:element minOccurs="1" maxOccurs="1" name="startIndex" nillable="true"
type="xs:int"/>
        <xs:element minOccurs="1" maxOccurs="1" name="excludeItemsTime" nillable="true"
type="xs:dateTime"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

url: A string type that specifies the URI to get social comments for. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

maximumItemsToReturn: An integer type that specifies the maximum number of social comments to return. This value MUST be greater than or equal to zero or **null**. If this value is zero or **null**, the protocol server MUST limit the number of social comments that are returned to 1000.

startIndex: An integer type that specifies the zero-based index into the total set of comments retrievable by this operation for which the returned set starts. The protocol server MUST NOT include any comments with indices that are less than the specified value. This value MUST be greater than or equal to zero, or **null**. If this value is zero or **null**, the protocol server MUST use the first social comment in the total set of comments retrievable by this operation as the starting value when returning the social comments.

excludeItemsTime: A dateTime value that specifies a cut-off point for returning the social comments. The protocol server MUST limit the results by returning only those social comments that were modified after the time that is specified by this value. If this value is **null**, the protocol server MUST NOT limit the results based on the date when a social comment was last modified.

3.1.4.20.2.2 GetCommentsOnUriResponse

The **GetCommentsOnUriResponse** element specifies the result data for the **GetCommentsOnUri** WSDL operation.

```

<xs:element name="GetCommentsOnUriResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetCommentsOnUriResult"
type="tns:ArrayOfSocialCommentDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

GetCommentsOnUriResult: An **ArrayOfSocialCommentDetail** complex type (section [2.2.4.4](#)) that contains the requested social comments. This element MUST be returned when the operation succeeds.

3.1.4.20.3 Complex Types

None.

3.1.4.20.4 Simple Types

None.

3.1.4.20.5 Attributes

None.

3.1.4.20.6 Groups

None.

3.1.4.20.7 Attribute Groups

None.

3.1.4.21 GetRatingAverageOnUrl

The **GetRatingAverageOnUrl** operation retrieves the average social rating for the item at a specified URI.

```
<wsdl:operation name="GetRatingAverageOnUrl" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetRatingAverageOnUrlSoapIn"/>
  <wsdl:output message="tns:GetRatingAverageOnUrlSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetRatingAverageOnUrlSoapIn** request message (section [3.1.4.21.1.1](#)) and the protocol server responds with a **GetRatingAverageOnUrlSoapOut** response message (section [3.1.4.21.1.2](#)).

If the current user does not have permissions to view the social ratings on the specified **url**, the protocol server MUST send a SOAP fault message.

3.1.4.21.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetRatingAverageOnUrlSoapIn	The request WSDL message for the GetRatingAverageOnUrl WSDL operation.
GetRatingAverageOnUrlSoapOut	The response WSDL message for the GetRatingAverageOnUrl WSDL operation.

3.1.4.21.1.1 GetRatingAverageOnUrlSoapIn

The request WSDL message for the **GetRatingAverageOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingAverageOnUrl
```

The SOAP body contains the **GetRatingAverageOnUrl** element.

3.1.4.21.1.2 GetRatingAverageOnUrlSoapOut

The response WSDL message for the **GetRatingAverageOnUrl** WSDL operation.

The SOAP body contains the **GetRatingAverageOnUrlResponse** element.

3.1.4.21.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetRatingAverageOnUrl	The input data for the GetRatingAverageOnUrl WSDL operation.
GetRatingAverageOnUrlResponse	The result data for the GetRatingAverageOnUrl WSDL operation.

3.1.4.21.2.1 GetRatingAverageOnUrl

The **GetRatingAverageOnUrl** element specifies the input data for the **GetRatingAverageOnUrl** WSDL operation.

```
<xs:element name="GetRatingAverageOnUrl" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI of the item to get the average social rating for. This value MUST be fewer than 2,085 characters and MUST be URI format.

3.1.4.21.2.2 GetRatingAverageOnUrlResponse

The **GetRatingAverageOnUrlResponse** element specifies the result data for the **GetRatingAverageOnUrl** WSDL operation.

```
<xs:element name="GetRatingAverageOnUrlResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRatingAverageOnUrlResult"
type="tns:SocialRatingAverageDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetRatingAverageOnUrlResult: A **SocialRatingAverageDetail** complex type (section [3.1.4.21.3.1](#)) that contains the average social rating that is being requested.

If no social ratings are associated with the current user, the protocol server MUST set the value of the **CurrentUserRating** element of the **SocialRatingAverageDetail** complex type to zero.

If no social ratings are associated with the specified URI, the protocol server MUST set the value of the **LastModifiedTime** element of the **SocialRatingAverageDetail** complex type to the minimum dateTime value.

If no social ratings are associated with the specified URI, the protocol server MUST set the value of the **Average** element of the **SocialRatingAverageDetail** complex type to negative infinity.

If no social ratings are associated with the specified URI, the protocol server MUST set the **Count** element of the **SocialRatingAverageDetail** complex type to the minimum long value.

3.1.4.21.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
SocialRatingAverageDetail	

3.1.4.21.3.1 SocialRatingAverageDetail

Namespace: http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **SocialRatingAverageDetail** complex type contains information about the social ratings that are associated with a URI.

```
<xs:complexType name="SocialRatingAverageDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="Average" type="xs:float"/>
    <xs:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="xs:dateTime"/>
    <xs:element minOccurs="1" maxOccurs="1" name="Count" type="xs:long"/>
    <xs:element minOccurs="1" maxOccurs="1" name="CurrentUserRating" type="xs:int"/>
  </xs:sequence>
</xs:complexType>
```

Url: A string type that specifies the URI of the item that the average social rating is associated with.

Average: A floating-point number that indicates the average of the social ratings that are associated with any user profile for the specified URI.

LastModifiedTime: A **dateTime** value that indicates when the social rating data was last modified for the specified URI.

Count: A long type that specifies the total number of social ratings that are associated with any user profile for the specified URI.

CurrentUserRating: An integer type that specifies the social rating that the current user provided for the specified URI.

3.1.4.21.4 Simple Types

None.

3.1.4.21.5 Attributes

None.

3.1.4.21.6 Groups

None.

3.1.4.21.7 Attribute Groups

None.

3.1.4.22 GetRatingOfUserOnUrl

The **GetRatingOfUserOnUrl** operation retrieves a social rating that is associated with a specified user profile and for a specified URI.

```
<wsdl:operation name="GetRatingOfUserOnUrl" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetRatingOfUserOnUrlSoapIn"/>
  <wsdl:output message="tns:GetRatingOfUserOnUrlSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetRatingOfUserOnUrlSoapIn** request message (section [3.1.4.22.1.1](#)) and the protocol server responds with a **GetRatingOfUserOnUrlSoapOut** response message (section [3.1.4.22.1.2](#)).

If the current user does not have permission to view the specified user profile, the protocol server MUST send a SOAP fault message. If the current user does not have permission to view the social rating for the specified **userAccountName** on the specified **url**, the protocol server MUST send a SOAP fault message. If the specified user profile does not exist, the protocol server MUST send a SOAP fault message.

3.1.4.22.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetRatingOfUserOnUrlSoapIn	The request WSDL message for the GetRatingOfUserOnUrl WSDL operation.
GetRatingOfUserOnUrlSoapOut	The response WSDL message for the GetRatingOfUserOnUrl WSDL operation.

3.1.4.22.1.1 GetRatingOfUserOnUrlSoapIn

The request WSDL message for the **GetRatingOfUserOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingOfUserOnUr  
l
```

The SOAP body contains the **GetRatingOfUserOnUrl** element.

3.1.4.22.1.2 GetRatingOfUserOnUrlSoapOut

The response WSDL message for the **GetRatingOfUserOnUrl** WSDL operation.

The SOAP body contains the **GetRatingOfUserOnUrlResponse** element.

3.1.4.22.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetRatingOfUserOnUrl	The input data for the GetRatingOfUserOnUrl WSDL operation.
GetRatingOfUserOnUrlResponse	The result data for the GetRatingOfUserOnUrl WSDL operation.

3.1.4.22.2.1 GetRatingOfUserOnUrl

The **GetRatingOfUserOnUrl** element specifies the input data for the **GetRatingOfUserOnUrl** WSDL operation.

```
<xs:element name="GetRatingOfUserOnUrl" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

userAccountName: A string type that specifies the user login name of the user profile to retrieve the social rating for.

url: A string type that specifies the URI to retrieve the social rating for. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

3.1.4.22.2.2 GetRatingOfUserOnUrlResponse

The **GetRatingOfUserOnUrlResponse** element specifies the result data for the **GetRatingOfUserOnUrl** WSDL operation.

```
<xs:element name="GetRatingOfUserOnUrlResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRatingOfUserOnUrlResult"
type="tns:SocialRatingDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetRatingOfUserOnUriResult: A **SocialRatingDetail** complex type (section [2.2.4.16](#)) that contains the requested social rating. If no social rating is associated with the specified **userAccountName**, the protocol server MUST set the **Rating** value of the **SocialRatingDetail** type to zero and the **LastModifiedTime** value of the **SocialRatingDetail** type to the minimum value.

3.1.4.22.3 Complex Types

None.

3.1.4.22.4 Simple Types

None.

3.1.4.22.5 Attributes

None.

3.1.4.22.6 Groups

None.

3.1.4.22.7 Attribute Groups

None.

3.1.4.23 GetRatingOnUri

The **GetRatingOnUri** operation retrieves a social rating that was added by the current user for a specified URI.

```
<wsdl:operation name="GetRatingOnUri" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetRatingOnUriSoapIn"/>
  <wsdl:output message="tns:GetRatingOnUriSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetRatingOnUriSoapIn** request message (section [3.1.4.23.1.1](#)) and the protocol server responds with a **GetRatingOnUriSoapOut** response message (section [3.1.4.23.1.2](#)).

The protocol server MUST return only the social rating that is associated with both the current user and a specified URI. If the current user does not have permission to view the social rating on the specified **url**, the protocol server MUST send a SOAP fault message.

3.1.4.23.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetRatingOnUriSoapIn	The request WSDL message for the GetRatingOnUri WSDL operation.
GetRatingOnUriSoapOut	The response WSDL message for the GetRatingOnUri WSDL operation.

3.1.4.23.1.1 GetRatingOnUrlSoapIn

The request WSDL message for the **GetRatingOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingOnUrl
```

The SOAP body contains the **GetRatingOnUrl** element.

3.1.4.23.1.2 GetRatingOnUrlSoapOut

The response WSDL message for the **GetRatingOnUrl** WSDL operation.

The SOAP body contains the **GetRatingOnUrlResponse** element.

3.1.4.23.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetRatingOnUrl	The input data for the GetRatingOnUrl WSDL operation.
GetRatingOnUrlResponse	The result data for the GetRatingOnUrl WSDL operation.

3.1.4.23.2.1 GetRatingOnUrl

The **GetRatingOnUrl** element specifies the input data for the **GetRatingOnUrl** WSDL operation.

```
<xs:element name="GetRatingOnUrl" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI that is associated with the social rating to retrieve. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

3.1.4.23.2.2 GetRatingOnUrlResponse

The **GetRatingOnUrlResponse** element specifies the result data for the **GetRatingOnUrl** WSDL operation.

```
<xs:element name="GetRatingOnUrlResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRatingOnUrlResult"
        type="tns:SocialRatingDetail"/>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

GetRatingOnUrlResult: A **SocialRatingDetail** complex type (section [2.2.4.16](#)) that contains the requested social rating. If no social rating is associated with the current user for the specific URI, the protocol server MUST set the **Rating** value of the **SocialRatingDetail** type to zero and the **LastModifiedTime** value of the **SocialRatingDetail** type to the minimum value.

3.1.4.23.3 Complex Types

None.

3.1.4.23.4 Simple Types

None.

3.1.4.23.5 Attributes

None.

3.1.4.23.6 Groups

None.

3.1.4.23.7 Attribute Groups

None.

3.1.4.24 GetRatingsOfUser

The **GetRatingsOfUser** operation retrieves the social ratings that are associated with a specified user profile.

```
<wsdl:operation name="GetRatingsOfUser" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetRatingsOfUserSoapIn"/>
  <wsdl:output message="tns:GetRatingsOfUserSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetRatingsOfUserSoapIn** request message (section [3.1.4.24.1.1](#)) and the protocol server responds with a **GetRatingsOfUserSoapOut** response message (section [3.1.4.24.1.2](#)).

If the specified user profile does not exist, the protocol server MUST send a SOAP fault message.

3.1.4.24.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetRatingsOfUserSoapIn	The request WSDL message for the GetRatingsOfUser WSDL operation.
GetRatingsOfUserSoapOut	The response WSDL message for the GetRatingsOfUser WSDL operation.

3.1.4.24.1.1 GetRatingsOfUserSoapIn

The request WSDL message for the **GetRatingsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingsOfUser
```

The SOAP body contains the **GetRatingsOfUser** element.

3.1.4.24.1.2 GetRatingsOfUserSoapOut

The response WSDL message for the **GetRatingsOfUser** WSDL operation.

The SOAP body contains the **GetRatingsOfUserResponse** element.

3.1.4.24.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetRatingsOfUser	The input data for the GetRatingsOfUser WSDL operation.
GetRatingsOfUserResponse	The result data for the GetRatingsOfUser WSDL operation.

3.1.4.24.2.1 GetRatingsOfUser

The **GetRatingsOfUser** element specifies the input data for the **GetRatingsOfUser** WSDL operation.

```
<xs:element name="GetRatingsOfUser" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <xs:complexType>  
    <xs:sequence>  
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>  
    </xs:sequence>  
  </xs:complexType>  
</xs:element>
```

userAccountName: A string type that specifies the user login name of the user profile to retrieve social ratings for.

3.1.4.24.2.2 GetRatingsOfUserResponse

The **GetRatingsOfUserResponse** element specifies the result data for the **GetRatingsOfUser** WSDL operation.

```
<xs:element name="GetRatingsOfUserResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <xs:complexType>  
    <xs:sequence>  
      <xs:element minOccurs="0" maxOccurs="1" name="GetRatingsOfUserResult"  
        type="tns:ArrayOfSocialRatingDetail"/>  
    </xs:sequence>  
</xs:element>
```

```
</xs:complexType>
</xs:element>
```

GetRatingsOfUserResult: An **ArrayOfSocialRatingDetail** complex type (section [2.2.4.5](#)) that contains the requested social ratings. This element **MUST** be returned when the operation succeeds. The protocol server **MUST** limit the results to 1000.

3.1.4.24.3 Complex Types

None.

3.1.4.24.4 Simple Types

None.

3.1.4.24.5 Attributes

None.

3.1.4.24.6 Groups

None.

3.1.4.24.7 Attribute Groups

None.

3.1.4.25 GetRatingsOnUrl

The **GetRatingsOnUrl** operation retrieves all of the social ratings for a specified URI.

```
<wsdl:operation name="GetRatingsOnUrl" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetRatingsOnUrlSoapIn"/>
  <wsdl:output message="tns:GetRatingsOnUrlSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetRatingsOnUrlSoapIn** request message (section [3.1.4.25.1.1](#)) and the protocol server responds with a **GetRatingsOnUrlSoapOut** response message (section [3.1.4.25.1.2](#)).

3.1.4.25.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetRatingsOnUrlSoapIn	The request WSDL message for the GetRatingsOnUrl WSDL operation.
GetRatingsOnUrlSoapOut	The response WSDL message for the GetRatingsOnUrl WSDL operation.

3.1.4.25.1.1 GetRatingsOnUrlSoapIn

The request WSDL message for the **GetRatingsOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingsOnUrl
```

The SOAP body contains the **GetRatingsOnUrl** element.

3.1.4.25.1.2 GetRatingsOnUrlSoapOut

The response WSDL message for the **GetRatingsOnUrl** WSDL operation.

The SOAP body contains the **GetRatingsOnUrlResponse** element.

3.1.4.25.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetRatingsOnUrl	The input data for the GetRatingsOnUrl WSDL operation.
GetRatingsOnUrlResponse	The result data for the GetRatingsOnUrl WSDL operation.

3.1.4.25.2.1 GetRatingsOnUrl

The **GetRatingsOnUrl** element specifies the input data for the **GetRatingsOnUrl** WSDL operation.

```
<xs:element name="GetRatingsOnUrl" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI to retrieve social ratings for. This value MUST be fewer than or equal to 2,084 characters and MUST be URI format.

3.1.4.25.2.2 GetRatingsOnUrlResponse

The **GetRatingsOnUrlResponse** element specifies the result data for the **GetRatingsOnUrl** WSDL operation.

```
<xs:element name="GetRatingsOnUrlResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRatingsOnUrlResult"
type="tns:ArrayOfSocialRatingDetail"/>
    </xs:sequence>
  </xs:complexType>
```

</xs:element>

GetRatingsOnUriResult: An **ArrayOfSocialRatingDetail** complex type (section [2.2.4.5](#)) that contains the social ratings for the specified URI. This element MUST be returned when the operation succeeds.

3.1.4.25.3 Complex Types

None.

3.1.4.25.4 Simple Types

None.

3.1.4.25.5 Attributes

None.

3.1.4.25.6 Groups

None.

3.1.4.25.7 Attribute Groups

None.

3.1.4.26 GetSocialDataForFullReplication

The **GetSocialDataForFullReplication** operation retrieves the list of existing social comments, social tags and social ratings for a specified user profile for use when replicating the social data.

```
<wsdl:operation name="GetSocialDataForFullReplication"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetSocialDataForFullReplicationSoapIn"/>
  <wsdl:output message="tns:GetSocialDataForFullReplicationSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetSocialDataForFullReplicationSoapIn** request message (section [3.1.4.26.1.1](#)) and the protocol server responds with a **GetSocialDataForFullReplicationSoapOut** response message (section [3.1.4.26.1.2](#)).

The protocol server MUST return the social data elements that are associated to the specified user profile.

3.1.4.26.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetSocialDataForFullReplicationSoapIn	The request WSDL message for the GetSocialDataForFullReplication WSDL operation.

Message	Description
GetSocialDataForFullReplicationSoapOut	The response WSDL message for the GetSocialDataForFullReplication WSDL operation.

3.1.4.26.1.1 GetSocialDataForFullReplicationSoapIn

The request WSDL message for the **GetSocialDataForFullReplication** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetSocialDataForFullReplication
```

The SOAP body contains the **GetSocialDataForFullReplication** element.

3.1.4.26.1.2 GetSocialDataForFullReplicationSoapOut

The response WSDL message for the **GetSocialDataForFullReplication** WSDL operation.

The SOAP body contains the **GetSocialDataForFullReplicationResponse** element.

3.1.4.26.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetSocialDataForFullReplication	The input data for the GetSocialDataForFullReplication WSDL operation.
GetSocialDataForFullReplicationResponse	The result data for the GetSocialDataForFullReplication WSDL operation.

3.1.4.26.2.1 GetSocialDataForFullReplication

The **GetSocialDataForFullReplication** element specifies the input data for the **GetSocialDataForFullReplication** WSDL operation.

```
<xs:element name="GetSocialDataForFullReplication"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

userAccountName: A string type that specifies the user login name of the user profile to retrieve the existing social data elements for. If the user profile for the specified user name does not exist, the protocol server MUST send a SOAP fault message.

3.1.4.26.2 GetSocialDataForFullReplicationResponse

The **GetSocialDataForFullReplicationResponse** element specifies the result data for the **GetSocialDataForFullReplication** WSDL operation.

```
<xs:element name="GetSocialDataForFullReplicationResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSocialDataForFullReplicationResult"
        type="tns:SocialReplicationData"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetSocialDataForFullReplicationResult: A **SocialReplicationData** complex type (section [2.2.4.17](#)) containing the existing social comments, social tags and social ratings for the specified user profile. The protocol server MUST return null for the **DeletedTags**, **DeletedComments** and **DeletedRatings** fields (1) of the **SocialReplicationData** object.

3.1.4.26.3 Complex Types

None.

3.1.4.26.4 Simple Types

None.

3.1.4.26.5 Attributes

None.

3.1.4.26.6 Groups

None.

3.1.4.26.7 Attribute Groups

None.

3.1.4.27 GetSocialDataForIncrementalReplication

The **GetSocialDataForIncrementalReplication** operation retrieves the list of existing and deleted social comments, social tags and social ratings for a specified time period.

```
<wsdl:operation name="GetSocialDataForIncrementalReplication"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetSocialDataForIncrementalReplicationSoapIn"/>
  <wsdl:output message="tns:GetSocialDataForIncrementalReplicationSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetSocialDataForIncrementalReplicationSoapIn** request message (section [3.1.4.27.1.1](#)) and the protocol server responds with a **GetSocialDataForIncrementalReplicationSoapOut** response message (section [3.1.4.27.1.2](#)).

The protocol server MUST return the social data elements that are associated to the specified time period.

3.1.4.27.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetSocialDataForIncrementalReplicationSoapIn	The request WSDL message for the GetSocialDataForIncrementalReplication WSDL operation.
GetSocialDataForIncrementalReplicationSoapOut	The response WSDL message for the GetSocialDataForIncrementalReplication WSDL operation.

3.1.4.27.1.1 GetSocialDataForIncrementalReplicationSoapIn

The request WSDL message for the **GetSocialDataForIncrementalReplication** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetSocialDataForIncrementalReplication
```

The SOAP body contains the **GetSocialDataForIncrementalReplication** element.

3.1.4.27.1.2 GetSocialDataForIncrementalReplicationSoapOut

The response WSDL message for the **GetSocialDataForIncrementalReplication** WSDL operation.

The SOAP body contains the **GetSocialDataForIncrementalReplicationResponse** element.

3.1.4.27.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetSocialDataForIncrementalReplication	The input data for the GetSocialDataForIncrementalReplication WSDL operation.
GetSocialDataForIncrementalReplicationResponse	The result data for the GetSocialDataForIncrementalReplication WSDL operation.

3.1.4.27.2.1 GetSocialDataForIncrementalReplication

The **GetSocialDataForIncrementalReplication** element specifies the input data for the **GetSocialDataForIncrementalReplication** WSDL operation.

```

<xs:element name="GetSocialDataForIncrementalReplication"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="startTime" type="xs:dateTime"/>
      <xs:element minOccurs="1" maxOccurs="1" name="endTime" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

startTime: A dateTime value used to limit the results. The protocol server MUST NOT return the existing and deleted social comments, social tags and social ratings which were last modified or deleted before this time.

endTime: A dateTime value used to limit the results. The protocol server MUST NOT return the existing and deleted social comments, social tags and social ratings which were last modified or deleted after or equal to this time.

3.1.4.27.2 GetSocialDataForIncrementalReplicationResponse

The **GetSocialDataForIncrementalReplicationResponse** element specifies the result data for the **GetSocialDataForIncrementalReplication** WSDL operation.

```

<xs:element name="GetSocialDataForIncrementalReplicationResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1"
name="GetSocialDataForIncrementalReplicationResult" type="tns:SocialReplicationData"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

GetSocialDataForIncrementalReplicationResult: A **SocialReplicationData** (section [2.2.4.17](#)) containing the existing and deleted social comments, social tags and social ratings limited by the specified **startTime** and **endTime**.

3.1.4.27.3 Complex Types

None.

3.1.4.27.4 Simple Types

None.

3.1.4.27.5 Attributes

None.

3.1.4.27.6 Groups

None.

3.1.4.27.7 Attribute Groups

None.

3.1.4.28 GetTags

The **GetTags** operation retrieves the social tags that were created by the current user for a specified URL.

```
<wsdl:operation name="GetTags" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetTagsSoapIn"/>
  <wsdl:output message="tns:GetTagsSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetTagsSoapIn** request message (section [3.1.4.28.1.1](#)) and the protocol server responds with a **GetTagsSoapOut** response message (section [3.1.4.28.1.2](#)).

3.1.4.28.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetTagsSoapIn	The request WSDL message for the GetTags WSDL operation.
GetTagsSoapOut	The response WSDL message for the GetTags WSDL operation.

3.1.4.28.1.1 GetTagsSoapIn

The request WSDL message for the **GetTags** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTags
```

The SOAP body contains the **GetTags** element.

3.1.4.28.1.2 GetTagsSoapOut

The response WSDL message for the **GetTags** WSDL operation.

The SOAP body contains the **GetTagsResponse** element.

3.1.4.28.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTags	The input data for the GetTags WSDL operation.

Element	Description
GetTagsResponse	The result data for the GetTags WSDL operation.

3.1.4.28.2.1 GetTags

The **GetTags** element specifies the input data for the **GetTags** WSDL operation.

```
<xs:element name="GetTags" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URL to retrieve social tags for.

3.1.4.28.2.2 GetTagsResponse

The **GetTagsResponse** element specifies the result data for the **GetTags** WSDL operation.

```
<xs:element name="GetTagsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagsResult"
type="tns:ArrayOfSocialTagDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetTagsResult: An **ArrayOfSocialTagDetail** complex type (section [2.2.4.6](#)) that contains the results. This element **MUST** be returned when the operation succeeds. There **MUST** be one entry for each social tag that was created by the current user and is associated with the specified URL. The protocol server **MUST** limit the results to 1000.

3.1.4.28.3 Complex Types

None.

3.1.4.28.4 Simple Types

None.

3.1.4.28.5 Attributes

None.

3.1.4.28.6 Groups

None.

3.1.4.28.7 Attribute Groups

None.

3.1.4.29 GetTagsOfUser

The **GetTagsOfUser** operation retrieves the social tags that were added by a specified user.

```
<wsdl:operation name="GetTagsOfUser" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetTagsOfUserSoapIn"/>
  <wsdl:output message="tns:GetTagsOfUserSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetTagsOfUserSoapIn** request message (section [3.1.4.29.1.1](#)) and the protocol server responds with a **GetTagsOfUserSoapOut** response message (section [3.1.4.29.1.2](#)).

If the specified user profile does not exist, the protocol server MUST send a SOAP fault message

3.1.4.29.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetTagsOfUserSoapIn	The request WSDL message for the GetTagsOfUser WSDL operation.
GetTagsOfUserSoapOut	The response WSDL message for the GetTagsOfUser WSDL operation.

3.1.4.29.1.1 GetTagsOfUserSoapIn

The request WSDL message for the **GetTagsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagsOfUser
```

The SOAP body contains the **GetTagsOfUser** element.

3.1.4.29.1.2 GetTagsOfUserSoapOut

The response WSDL message for the **GetTagsOfUser** WSDL operation.

The SOAP body contains the **GetTagsOfUserResponse** element.

3.1.4.29.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTagsOfUser	The input data for the GetTagsOfUser WSDL operation.

Element	Description
GetTagsOfUserResponse	The result data for the GetTagsOfUser WSDL operation.

3.1.4.29.2.1 GetTagsOfUser

The **GetTagsOfUser** element specifies the input data for the **GetTagsOfUser** WSDL operation.

```
<xs:element name="GetTagsOfUser" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="startIndex" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

userAccountName: A string type that specifies the user login name of the social tag user to retrieve results for. If the specified account does not reference an existing social tag user, the protocol server MUST send a SOAP fault message.

maximumItemsToReturn: An integer type that specifies the maximum number of social tags to return. This value MUST be greater than or equal to zero or **null**. When zero or **null** is passed, the protocol server MUST return a maximum of 1000 results.

startIndex: An integer type that specifies the zero-based index into the total set of social tags retrievable by this operation for which the returned set starts. The protocol server MUST NOT include any social tags with indices that are less than the specified value. This value MUST NOT be negative. If the value is zero or **null**, the protocol server MUST NOT limit the results based on this value.

3.1.4.29.2.2 GetTagsOfUserResponse

The **GetTagsOfUserResponse** element specifies the result data for the **GetTagsOfUser** WSDL operation.

```
<xs:element name="GetTagsOfUserResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagsOfUserResult"
type="tns:ArrayOfSocialTagDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetTagsOfUserResult: An **ArrayOfSocialTagDetail** complex type (section [2.2.4.6](#)) that contains the results. This element MUST be returned when the operation succeeds. Unless trimmed from the results, there MUST be one entry for each social tag that was added by the user who is specified by the **userAccountName** element. The results MUST be trimmed such that the values of the **maximumItemsToReturn** and **startIndex** elements are respected. See section [3.1.4.29.2.1](#) for element details.

3.1.4.29.3 Complex Types

None.

3.1.4.29.4 Simple Types

None.

3.1.4.29.5 Attributes

None.

3.1.4.29.6 Groups

None.

3.1.4.29.7 Attribute Groups

None.

3.1.4.30 GetTagTerms

The **GetTagTerms** operation retrieves only social tag terms that were authored by the current user.

```
<wsdl:operation name="GetTagTerms" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetTagTermsSoapIn"/>
  <wsdl:output message="tns:GetTagTermsSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetTagTermsSoapIn** request message (section [3.1.4.30.1.1](#)) and the protocol server responds with a **GetTagTermsSoapOut** response message (section [3.1.4.30.1.2](#)).

3.1.4.30.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetTagTermsSoapIn	The request WSDL message for the GetTagTerms WSDL operation.
GetTagTermsSoapOut	The response WSDL message for the GetTagTerms WSDL operation.

3.1.4.30.1.1 GetTagTermsSoapIn

The request WSDL message for the **GetTagTerms** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagTerms
```

The SOAP body contains the **GetTagTerms** element.

3.1.4.30.1.2 GetTagTermsSoapOut

The response WSDL message for the **GetTagTerms** WSDL operation.

The SOAP body contains the **GetTagTermsResponse** element.

3.1.4.30.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTagTerms	The input data for the GetTagTerms WSDL operation.
GetTagTermsResponse	The result data for the GetTagTerms WSDL operation.

3.1.4.30.2.1 GetTagTerms

The **GetTagTerms** element specifies the input data for the **GetTagTerms** WSDL operation.

```
<xs:element name="GetTagTerms" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

maximumItemsToReturn: An integer type that specifies the maximum number of social tag terms to return. This value **MUST** be greater than or equal to zero and less than 3001 or null. When zero or **null** is passed, the protocol server **MUST** return a maximum of 1000 results.

3.1.4.30.2.2 GetTagTermsResponse

The **GetTagTermsResponse** element specifies the result data for the **GetTagTerms** WSDL operation.

```
<xs:element name="GetTagTermsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagTermsResult"
type="tns:ArrayOfSocialTermDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetTagTermsResult: An **ArrayOfSocialTermDetail** complex type (section [2.2.4.7](#)) that contains the results in descending order on the **SocialTermDetail** complex type (section [2.2.4.19](#)) **Count** value. This element **MUST** be returned when the operation succeeds. There **MUST** be one entry for each social tag term for the current user, up to any maximum number of entries, as defined by the value of the **maximumItemsToReturn** element (see section [3.1.4.30.2.1](#)). The protocol server

MUST trim the results by removing all elements after the first N elements, where N is specified by the value of the **maximumItemsToReturn** element.

3.1.4.30.3 Complex Types

None.

3.1.4.30.4 Simple Types

None.

3.1.4.30.5 Attributes

None.

3.1.4.30.6 Groups

None.

3.1.4.30.7 Attribute Groups

None.

3.1.4.31 GetTagTermsOfUser

The **GetTagTermsOfUser** operation retrieves the social tag terms that were authored by a specific social tag user. The result set can be limited to a maximum number of items.

```
<wsdl:operation name="GetTagTermsOfUser" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetTagTermsOfUserSoapIn"/>
  <wsdl:output message="tns:GetTagTermsOfUserSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetTagTermsOfUserSoapIn** request message (section [3.1.4.31.1.1](#)) and the protocol server responds with a **GetTagTermsOfUserSoapOut** response message (section [3.1.4.31.1.2](#)).

3.1.4.31.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetTagTermsOfUserSoapIn	The request WSDL message for the GetTagTermsOfUser WSDL operation.
GetTagTermsOfUserSoapOut	The response WSDL message for the GetTagTermsOfUser WSDL operation.

3.1.4.31.1.1 GetTagTermsOfUserSoapIn

The request WSDL message for the **GetTagTermsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagTermsOfUser
```

The SOAP body contains the **GetTagTermsOfUser** element.

3.1.4.31.1.2 GetTagTermsOfUserSoapOut

The response WSDL message for the **GetTagTermsOfUser** WSDL operation.

The SOAP body contains the **GetTagTermsOfUserResponse** element.

3.1.4.31.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTagTermsOfUser	The input data for the GetTagTermsOfUser WSDL operation.
GetTagTermsOfUserResponse	The result data for the GetTagTermsOfUser WSDL operation.

3.1.4.31.2.1 GetTagTermsOfUser

The **GetTagTermsOfUser** element specifies the input data for the **GetTagTermsOfUser** WSDL operation.

```
<xs:element name="GetTagTermsOfUser" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

userAccountName: A string type that contains the user login name that is associated with the social tag terms to query for. This argument **MUST NOT** be **NULL**. If the specified user login name does not reference an existing social tag user, the protocol server **MUST** return a SOAP fault message.

maximumItemsToReturn: An integer type that specifies the maximum number of items to return. This value **MUST** be greater than or equal to zero and less than 3001 or **null**. When zero or **null** is passed, the protocol server **MUST** return a maximum of 1000 results.

3.1.4.31.2.2 GetTagTermsOfUserResponse

The **GetTagTermsOfUserResponse** element specifies the result data for the **GetTagTermsOfUser** WSDL operation.

```
<xs:element name="GetTagTermsOfUserResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
```

```

    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagTermsOfUserResult"
        type="tns:ArrayOfSocialTermDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

GetTagTermsOfUserResult: An **ArrayOfSocialTermDetail** complex type (section [2.2.4.7](#)) that contains the results. This element **MUST** be returned when the operation succeeds. There **MUST** be one entry for each term that was created by the specified social tag user, and no more than the maximum number of results specified by the value of the **maximumItemsToReturn** element (see section [3.1.4.31.2.1](#)). The protocol server **MUST** trim the results by removing all elements after the first N elements, where N is specified by the value of the **maximumItemsToReturn** element.

3.1.4.31.3 Complex Types

None.

3.1.4.31.4 Simple Types

None.

3.1.4.31.5 Attributes

None.

3.1.4.31.6 Groups

None.

3.1.4.31.7 Attribute Groups

None.

3.1.4.32 GetTagTermsOnUrl

The **GetTagTermsOnUrl** operation retrieves the social tag terms for a specified social tag URL.

```

<wsdl:operation name="GetTagTermsOnUrl" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetTagTermsOnUrlSoapIn"/>
  <wsdl:output message="tns:GetTagTermsOnUrlSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **GetTagTermsOnUrlSoapIn** request message (section [3.1.4.32.1.1](#)) and the protocol server responds with a **GetTagTermsOnUrlSoapOut** response message (section [3.1.4.32.1.2](#)).

3.1.4.32.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetTagTermsOnUrlSoapIn	The request WSDL message for the GetTagTermsOnUrl WSDL operation.
GetTagTermsOnUrlSoapOut	The response WSDL message for the GetTagTermsOnUrl WSDL operation.

3.1.4.32.1.1 GetTagTermsOnUrlSoapIn

The request WSDL message for the **GetTagTermsOnUrl** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagTermsOnUrl
```

The SOAP body contains the **GetTagTermsOnUrl** element.

3.1.4.32.1.2 GetTagTermsOnUrlSoapOut

The response WSDL message for the **GetTagTermsOnUrl** WSDL operation.

The SOAP body contains the **GetTagTermsOnUrlResponse** element.

3.1.4.32.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTagTermsOnUrl	The input data for the GetTagTermsOnUrl WSDL operation.
GetTagTermsOnUrlResponse	The result data for the GetTagTermsOnUrl WSDL operation.

3.1.4.32.2.1 GetTagTermsOnUrl

The **GetTagTermsOnUrl** element specifies the input data for the **GetTagTermsOnUrl** WSDL operation.

```
<xs:element name="GetTagTermsOnUrl" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn" nillable="true"
type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the social tag URL to retrieve results for. This value **MUST** be fewer than or equal to 2,084 characters and **MUST** be URI format.

maximumItemsToReturn: An integer type that specifies the maximum number of items to return. This value MUST be greater than or equal to zero ("0") and less than 1001 or null. When zero or null is passed, the protocol server MUST return a maximum of 100 results.

3.1.4.32.2 GetTagTermsOnUrlResponse

The **GetTagTermsOnUrlResponse** element specifies the result data for the **GetTagTermsOnUrl** WSDL operation.

```
<xs:element name="GetTagTermsOnUrlResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagTermsOnUrlResult"
type="tns:ArrayOfSocialTermDetail"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetTagTermsOnUrlResult: An **ArrayOfSocialTermDetail** complex type (section [2.2.4.7](#)) that contains the results in descending order on the **SocialTermDetail** complex type **Count** value (section [2.2.4.19](#)). This element MUST be returned when the operation succeeds. There MUST be one entry for each term, up to any maximum number of entries, as defined by the value of the **maximumItemsToReturn** element (see section [3.1.4.32.2.1](#)). The protocol server MUST trim the results by removing all elements after the first N elements, where N is specified by the value of the **maximumItemsToReturn** element.

3.1.4.32.3 Complex Types

None.

3.1.4.32.4 Simple Types

None.

3.1.4.32.5 Attributes

None.

3.1.4.32.6 Groups

None.

3.1.4.32.7 Attribute Groups

None.

3.1.4.33 GetTagUrls

The **GetTagUrls** operation retrieves the social tag URLs that were tagged by the current user with a specified social tag term.

```
<wsdl:operation name="GetTagUrls" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetTagUrlsSoapIn"/>
  <wsdl:output message="tns:GetTagUrlsSoapOut"/>
</wsdl:operation>
```

</wsdl:operation>

The protocol client sends a **GetTagUrlsSoapIn** request message (section [3.1.4.33.1.1](#)) and the protocol server responds with a **GetTagUrlsSoapOut** response message (section [3.1.4.33.1.2](#)).

3.1.4.33.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetTagUrlsSoapIn	The request WSDL message for the GetTagUrls WSDL operation.
GetTagUrlsSoapOut	The response WSDL message for the GetTagUrls WSDL operation.

3.1.4.33.1.1 GetTagUrlsSoapIn

The request WSDL message for the **GetTagUrls** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagUrls
```

The SOAP body contains the **GetTagUrls** element.

3.1.4.33.1.2 GetTagUrlsSoapOut

The response WSDL message for the **GetTagUrls** WSDL operation.

The SOAP body contains the **GetTagUrlsResponse** element.

3.1.4.33.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTagUrls	The input data for the GetTagUrls WSDL operation.
GetTagUrlsResponse	The result data for the GetTagUrls WSDL operation.

3.1.4.33.2.1 GetTagUrls

The **GetTagUrls** element specifies the input data for the **GetTagUrls** WSDL operation.

```
<xs:element name="GetTagUrls" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="termID"
        xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
</xs:complexType>
</xs:element>
```

termID: A GUID type that identifies the social tag term to retrieve results for. If the specified value does not reference an existing social tag term, the protocol server MUST send a SOAP fault message.

3.1.4.33.2 GetTagUrlsResponse

The **GetTagUrlsResponse** element specifies the result data for the **GetTagUrls** WSDL operation.

```
<xs:element name="GetTagUrlsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagUrlsResult"
type="tns:ArrayOfString"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetTagUrlsResult: An **ArrayOfString** complex type (section [2.2.4.9](#)) that contains the results. This element MUST be returned when the operation succeeds. There MUST be one entry for each social tag URL for the specified social tag term. The protocol server MUST limit the results to 400.

3.1.4.33.3 Complex Types

None.

3.1.4.33.4 Simple Types

None.

3.1.4.33.5 Attributes

None.

3.1.4.33.6 Groups

None.

3.1.4.33.7 Attribute Groups

None.

3.1.4.34 GetTagUrlsByKeyword

The **GetTagUrlsByKeyword** operation retrieves the social tag URLs, tagged with a specified keyword, which are associated to the current user.

```
<wsdl:operation name="GetTagUrlsByKeyword" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetTagUrlsByKeywordSoapIn"/>
  <wsdl:output message="tns:GetTagUrlsByKeywordSoapOut"/>
</wsdl:operation>
```

</wsdl:operation>

The protocol client sends a **GetTagUrlsByKeywordSoapIn** request message (section [3.1.4.34.1.1](#)) and the protocol server responds with a **GetTagUrlsByKeywordSoapOut** response message (section [3.1.4.34.1.2](#)).

3.1.4.34.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetTagUrlsByKeywordSoapIn	The request WSDL message for the GetTagUrlsByKeyword WSDL operation.
GetTagUrlsByKeywordSoapOut	The response WSDL message for the GetTagUrlsByKeyword WSDL operation.

3.1.4.34.1.1 GetTagUrlsByKeywordSoapIn

The request WSDL message for the **GetTagUrlsByKeyword** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagUrlsByKeyword
```

The SOAP body contains the **GetTagUrlsByKeyword** element.

3.1.4.34.1.2 GetTagUrlsByKeywordSoapOut

The response WSDL message for the **GetTagUrlsByKeyword** WSDL operation.

The SOAP body contains the **GetTagUrlsByKeywordResponse** element.

3.1.4.34.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTagUrlsByKeyword	The input data for the GetTagUrlsByKeyword WSDL operation.
GetTagUrlsByKeywordResponse	The result data for the GetTagUrlsByKeyword WSDL operation.

3.1.4.34.2.1 GetTagUrlsByKeyword

The **GetTagUrlsByKeyword** element specifies the input data for the **GetTagUrlsByKeyword** WSDL operation.

```
<xs:element name="GetTagUrlsByKeyword" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <xs:complexType>
```



```

    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

keyword: A string type that specifies the social tag term to query for. This value matches the **Name** value of an existing **TermDetail** complex type (section [2.2.4.21](#)). If the specified value is not an existing social tag term, the protocol server **MUST** send a SOAP fault message.

3.1.4.34.2.2 GetTagUrlsByKeywordResponse

The **GetTagUrlsByKeywordResponse** element specifies the result data for the **GetTagUrlsByKeyword** WSDL operation.

```

<xs:element name="GetTagUrlsByKeywordResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagUrlsByKeywordResult"
type="tns:ArrayOfString"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

GetTagUrlsByKeywordResult: An **ArrayOfString** complex type (section [2.2.4.9](#)) that contains the results of the query. This element **MUST** be returned when the operation succeeds. There **MUST** be exactly one entry for each social tag URL that is associated with the specified social tag term. The protocol server **MUST** limit the results to 400.

3.1.4.34.3 Complex Types

None.

3.1.4.34.4 Simple Types

None.

3.1.4.34.5 Attributes

None.

3.1.4.34.6 Groups

None.

3.1.4.34.7 Attribute Groups

None.

3.1.4.35 GetTagUrlsOfUser

The **GetTagUrlsOfUser** operation retrieves the social tag URLs that are associated with a specified social tag term and were added by a specified social tag user.

```
<wsdl:operation name="GetTagUrlsOfUser" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetTagUrlsOfUserSoapIn"/>
  <wsdl:output message="tns:GetTagUrlsOfUserSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetTagUrlsOfUserSoapIn** request message (section [3.1.4.35.1.1](#)) and the protocol server responds with a **GetTagUrlsOfUserSoapOut** response message (section [3.1.4.35.1.2](#)).

3.1.4.35.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetTagUrlsOfUserSoapIn	The request WSDL message for the GetTagUrlsOfUser WSDL operation.
GetTagUrlsOfUserSoapOut	The response WSDL message for the GetTagUrlsOfUser WSDL operation.

3.1.4.35.1.1 GetTagUrlsOfUserSoapIn

The request WSDL message for the **GetTagUrlsOfUser** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagUrlsOfUser
```

The SOAP body contains the **GetTagUrlsOfUser** element.

3.1.4.35.1.2 GetTagUrlsOfUserSoapOut

The response WSDL message for the **GetTagUrlsOfUser** WSDL operation.

The SOAP body contains the **GetTagUrlsOfUserResponse** element.

3.1.4.35.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTagUrlsOfUser	The input data for the GetTagUrlsOfUser WSDL operation.
GetTagUrlsOfUserResponse	The result data for the GetTagUrlsOfUser WSDL operation.

3.1.4.35.2.1 GetTagUrlsOfUser

The **GetTagUrlsOfUser** element specifies the input data for the **GetTagUrlsOfUser** WSDL operation.

```

<xs:element name="GetTagUrlsOfUser" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="termID"
        xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

termID: A GUID type that specifies the identifier of the social tag term to query for. If the specified value does not reference an existing social tag term, the protocol server MUST send a SOAP fault message.

userAccountName: A string type that specifies the user login name of the user who added a social tag with the specified social tag term. The protocol server MUST return only those social tags that were added by the specified social tag user. If the specified social tag user does not exist, the protocol server MUST send a SOAP fault message.

3.1.4.35.2 GetTagUrlsOfUserResponse

The **GetTagUrlsOfUserResponse** element specifies the result data for the **GetTagUrlsOfUser** WSDL operation.

```

<xs:element name="GetTagUrlsOfUserResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagUrlsOfUserResult"
        type="tns:ArrayOfString"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

GetTagUrlsOfUserResult: An **ArrayOfString** complex type (section [2.2.4.9](#)), that contains the results. This element MUST be returned when the operation succeeds. There MUST be exactly one entry for each social tag URL that was tagged with the specified social tag term by the specified user. The protocol server MUST limit the results to 400.

3.1.4.35.3 Complex Types

None.

3.1.4.35.4 Simple Types

None.

3.1.4.35.5 Attributes

None.

3.1.4.35.6 Groups

None.

3.1.4.35.7 Attribute Groups

None.

3.1.4.36 GetTagUrlsOfUserByKeyword

The **GetTagUrlsOfUserByKeyword** operation retrieves the social tag URLs that are associated with a specified social tag term and were added by a specified social tag user.

```
<wsdl:operation name="GetTagUrlsOfUserByKeyword"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:GetTagUrlsOfUserByKeywordSoapIn"/>
  <wsdl:output message="tns:GetTagUrlsOfUserByKeywordSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetTagUrlsOfUserByKeywordSoapIn** request message (section [3.1.4.36.1.1](#)) and the protocol server responds with a **GetTagUrlsOfUserByKeywordSoapOut** response message (section [3.1.4.36.1.2](#)).

3.1.4.36.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetTagUrlsOfUserByKeywordSoapIn	The request WSDL message for the GetTagUrlsOfUserByKeyword WSDL operation.
GetTagUrlsOfUserByKeywordSoapOut	The response WSDL message for the GetTagUrlsOfUserByKeyword WSDL operation.

3.1.4.36.1.1 GetTagUrlsOfUserByKeywordSoapIn

The request WSDL message for the **GetTagUrlsOfUserByKeyword** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagUrlsOfUserByKeyword
```

The SOAP body contains the **GetTagUrlsOfUserByKeyword** element.

3.1.4.36.1.2 GetTagUrlsOfUserByKeywordSoapOut

The response WSDL message for the **GetTagUrlsOfUserByKeyword** WSDL operation.

The SOAP body contains the **GetTagUrlsOfUserByKeywordResponse** element.

3.1.4.36.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTagUrlsOfUserByKeyword	The input data for the GetTagUrlsOfUserByKeyword WSDL operation.
GetTagUrlsOfUserByKeywordResponse	The result data for the GetTagUrlsOfUserByKeyword WSDL operation.

3.1.4.36.2.1 GetTagUrlsOfUserByKeyword

The **GetTagUrlsOfUserByKeyword** element specifies the input data for the **GetTagUrlsOfUserByKeyword** WSDL operation.

```
<xs:element name="GetTagUrlsOfUserByKeyword" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="keyword" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

keyword: A string type that specifies the social tag term to query for. This value matches the **Name** value of an existing **TermDetail** complex type (section [2.2.4.21](#)). If the specified value is not an existing social tag term, the protocol server MUST send a SOAP fault message.

userAccountName: A string type that specifies the user login name of the social tag user to query for. If the specified social tag user does not exist, the protocol server MUST send a SOAP fault message.

3.1.4.36.2.2 GetTagUrlsOfUserByKeywordResponse

The **GetTagUrlsOfUserByKeywordResponse** element specifies the result data for the **GetTagUrlsOfUserByKeyword** WSDL operation.

```
<xs:element name="GetTagUrlsOfUserByKeywordResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTagUrlsOfUserByKeywordResult"
        type="tns:ArrayOfString"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetTagUrlsOfUserByKeywordResult: An **ArrayOfString** complex type (section [2.2.4.9](#)) that contains the results. This element MUST be returned when the operation succeeds. There MUST be exactly one entry for each social tag URL that is associated with the specified social tag term and was authored by the specified social tag user. The protocol server MUST limit the results to 400.

3.1.4.36.3 Complex Types

None.

3.1.4.36.4 Simple Types

None.

3.1.4.36.5 Attributes

None.

3.1.4.36.6 Groups

None.

3.1.4.36.7 Attribute Groups

None.

3.1.4.37 PropagateRating

The **PropagateRating** operation triggers a recalculation of the current, average social rating for the specified URI that points to a protocol server list item and it stores that new value in the **Rating** field (2).

```
<wsdl:operation name="PropagateRating" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:PropagateRatingSoapIn"/>
  <wsdl:output message="tns:PropagateRatingSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **PropagateRatingSoapIn** request message (section [3.1.4.37.1.1](#)) and the protocol server responds with a **PropagateRatingSoapOut** response message (section [3.1.4.37.1.2](#)).

3.1.4.37.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
PropagateRatingSoapIn	The request WSDL message for the PropagateRating WSDL operation.
PropagateRatingSoapOut	The response WSDL message for the PropagateRating WSDL operation.

3.1.4.37.1.1 PropagateRatingSoapIn

The request WSDL message for the **PropagateRating** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/PropagateRating
```

The SOAP body contains the **PropagateRating** element.

3.1.4.37.1.2 PropagateRatingSoapOut

The response WSDL message for the **PropagateRating** WSDL operation.

The SOAP body contains the **PropagateRatingResponse** element.

3.1.4.37.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
PropagateRating	The input data for the PropagateRating WSDL operation.
PropagateRatingResponse	The result data for the PropagateRating WSDL operation.

3.1.4.37.2.1 PropagateRating

The **PropagateRating** element specifies the input data for the **PropagateRating** WSDL operation.

```
<xs:element name="PropagateRating" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URI of a protocol server list item whose metadata to update with the current, average social rating.

3.1.4.37.2.2 PropagateRatingResponse

The **PropagateRatingResponse** element specifies the result data for the **PropagateRating** WSDL operation.

```
<xs:element name="PropagateRatingResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType/>
</xs:element>
```

3.1.4.37.3 Complex Types

None.

3.1.4.37.4 Simple Types

None.

3.1.4.37.5 Attributes

None.

3.1.4.37.6 Groups

None.

3.1.4.37.7 Attribute Groups

None.

3.1.4.38 ReplicateFullSocialData

The **ReplicateFullSocialData** operation replicates the specified social comments, social tags and social ratings for a specified user profile to the server.

```
<wsdl:operation name="ReplicateFullSocialData" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:ReplicateFullSocialDataSoapIn"/>
  <wsdl:output message="tns:ReplicateFullSocialDataSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **ReplicateFullSocialDataSoapIn** request message (section [3.1.4.38.1.1](#)) and the protocol server responds with a **ReplicateFullSocialDataSoapOut** response message (section [3.1.4.38.1.2](#)).

3.1.4.38.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
ReplicateFullSocialDataSoapIn	The request WSDL message for the ReplicateFullSocialData WSDL operation.
ReplicateFullSocialDataSoapOut	The response WSDL message for the ReplicateFullSocialData WSDL operation.

3.1.4.38.1.1 ReplicateFullSocialDataSoapIn

The request WSDL message for the **ReplicateFullSocialData** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/ReplicateFullSocialData
```

The SOAP body contains the **ReplicateFullSocialData** element.

3.1.4.38.1.2 ReplicateFullSocialDataSoapOut

The response WSDL message for the **ReplicateFullSocialData** WSDL operation.

The SOAP body contains the **ReplicateFullSocialDataResponse** element.

3.1.4.38.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
ReplicateFullSocialData	The input data for the ReplicateFullSocialData WSDL operation.
ReplicateFullSocialDataResponse	The result data for the ReplicateFullSocialData WSDL operation.

3.1.4.38.2.1 ReplicateFullSocialData

The **ReplicateFullSocialData** element specifies the input data for the **ReplicateFullSocialData** WSDL operation.

```
<xs:element name="ReplicateFullSocialData" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="changes"
type="tns:SocialReplicationData"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

userAccountName: A string type that specifies the user login name of the user profile that the specified social data comments, social tags and social ratings should be replicated for. This value MUST NOT be **null** or empty.

changes: A **SocialReplicationData** complex type (section [2.2.4.17](#)) that contains the existing social comments, social tags and social ratings to replicate. The **DeletedComments**, **DeletedTags** and **DeletedRatings** fields (1) on this value MUST be **null**. This value MUST NOT be **null**.

3.1.4.38.2.2 ReplicateFullSocialDataResponse

The **ReplicateFullSocialDataResponse** element specifies the result data for the **ReplicateFullSocialData** WSDL operation.

```
<xs:element name="ReplicateFullSocialDataResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ReplicateFullSocialDataResult"
type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

ReplicateFullSocialDataResult: A Boolean value that contains the status of the operation. A value of **true** indicates success. A value of **false** indicates failure.

The protocol server MUST return a value of **false** if the specified user profile could not be found. The protocol server MUST return a value of **false** if **DeletedComments**, **DeletedTags** or **DeletedRatings** field (1) on **changes** is not **null**. The protocol server MUST return a value of **false**

if the **Comments**, **Tags** or **Ratings** field (1) contain elements whose **Owner** field (1) is not equal to the specified user profile user name. The protocol server MUST return a value of **false** if there is a failure when replicating any data to the server.

3.1.4.38.3 Complex Types

None.

3.1.4.38.4 Simple Types

None.

3.1.4.38.5 Attributes

None.

3.1.4.38.6 Groups

None.

3.1.4.38.7 Attribute Groups

None.

3.1.4.39 ReplicateIncrementalSocialData

The **ReplicateIncrementalSocialData** operation replicates the specified existing and deleted social comments, social tags and social ratings to the server.

```
<wsdl:operation name="ReplicateIncrementalSocialData"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:ReplicateIncrementalSocialDataSoapIn"/>
  <wsdl:output message="tns:ReplicateIncrementalSocialDataSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **ReplicateIncrementalSocialDataSoapIn** request message (section [3.1.4.39.1.1](#)) and the protocol server responds with a **ReplicateIncrementalSocialDataSoapOut** response message (section [3.1.4.39.1.2](#)).

3.1.4.39.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
ReplicateIncrementalSocialDataSoapIn	The request WSDL message for the ReplicateIncrementalSocialData WSDL operation.
ReplicateIncrementalSocialDataSoapOut	The response WSDL message for the ReplicateIncrementalSocialData WSDL operation.

3.1.4.39.1.1 ReplicateIncrementalSocialDataSoapIn

The request WSDL message for the **ReplicateIncrementalSocialData** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/ReplicateIncrementalSocialData
```

The SOAP body contains the **ReplicateIncrementalSocialData** element.

3.1.4.39.1.2 ReplicateIncrementalSocialDataSoapOut

The response WSDL message for the **ReplicateIncrementalSocialData** WSDL operation.

The SOAP body contains the **ReplicateIncrementalSocialDataResponse** element.

3.1.4.39.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
ReplicateIncrementalSocialData	The input data for the ReplicateIncrementalSocialData WSDL operation.
ReplicateIncrementalSocialDataResponse	The result data for the ReplicateIncrementalSocialData WSDL operation.

3.1.4.39.2.1 ReplicateIncrementalSocialData

The **ReplicateIncrementalSocialData** element specifies the input data for the **ReplicateIncrementalSocialData** WSDL operation.

```
<xs:element name="ReplicateIncrementalSocialData"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="changes"
type="tns:SocialReplicationData"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

changes: A **SocialReplicationData** complex type (section [2.2.4.17](#)) that contains the existing and deleted social comments, social tags and social ratings to replicate. This value MUST NOT be null.

3.1.4.39.2.2 ReplicateIncrementalSocialDataResponse

The **ReplicateIncrementalSocialDataResponse** element specifies the result data for the **ReplicateIncrementalSocialData** WSDL operation.

```

<xs:element name="ReplicateIncrementalSocialDataResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ReplicateIncrementalSocialDataResult"
        type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

ReplicateIncrementalSocialDataResult: A Boolean value that contains the status of the operation. A value of **true** indicates success. A value of **false** indicates failure.

The protocol server MUST return a value of **false** if there is a failure when replicating any data to the server.

3.1.4.39.3 Complex Types

None.

3.1.4.39.4 Simple Types

None.

3.1.4.39.5 Attributes

None.

3.1.4.39.6 Groups

None.

3.1.4.39.7 Attribute Groups

None.

3.1.4.40 SetRating

The **SetRating** operation specifies a social rating by the current user for a specified URI.

```

<wsdl:operation name="SetRating" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:SetRatingSoapIn"/>
  <wsdl:output message="tns:SetRatingSoapOut"/>
</wsdl:operation>

```

The protocol client sends a **SetRatingSoapIn** request message section [3.1.4.40.1.1\(\)](#) and the protocol server responds with a **SetRatingSoapOut** response message (section [3.1.4.40.1.2](#)).

The protocol server MUST store the rating information, along with the time at which the rating was stored.

3.1.4.40.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
SetRatingSoapIn	The request WSDL message for the SetRating WSDL operation.
SetRatingSoapOut	The response WSDL message for the SetRating WSDL operation.

3.1.4.40.1.1 SetRatingSoapIn

The request WSDL message for the **SetRating** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/SetRating
```

The SOAP body contains the **SetRating** element.

3.1.4.40.1.2 SetRatingSoapOut

The response WSDL message for the **SetRating** WSDL operation.

The SOAP body contains the **SetRatingResponse** element.

3.1.4.40.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
SetRating	The input data for the SetRating WSDL operation.
SetRatingResponse	The result data for the SetRating WSDL operation.

3.1.4.40.2.1 SetRating

The **SetRating** element specifies the input data for the **SetRating** WSDL operation.

```
<xs:element name="SetRating" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="rating" type="xs:int"/>
      <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="analysisDataEntry"
type="tns:FeedbackData"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string type that specifies the URL of the item to apply the social rating to.

rating: An integer type that specifies the rating value for the item. This value **MUST** be an integer between 1 and 5 inclusive, where 1 is the lowest rating and 5 is the highest rating possible.

title: A string type that specifies the title of the social rating, as it appears to users. This value **MUST** be fewer than or equal to 500 characters.

analysisDataEntry: A **FeedbackData** complex type (section [3.1.4.40.3.1](#)) that contains data about the social rating that is used to generate usage logging.

3.1.4.40.2.2 SetRatingResponse

The **SetRatingResponse** element specifies the result data for the **SetRating** WSDL operation.

```
<xs:element name="SetRatingResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="SetRatingResult" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

SetRatingResult: A dateTime value that contains a **timestamp** indicating when the social rating was stored.

3.1.4.40.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
FeedbackData	Social rating data used to generate usage logging.

3.1.4.40.3.1 FeedbackData

Namespace: http://microsoft.com/webservices/SharePointPortalServer/SocialDataService

The **FeedbackData** complex type contains data about a social rating that is used to generate usage logging.

```
<xs:complexType name="FeedbackData" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="BrowserSessionId" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="CustomData"/>
    <xs:element minOccurs="1" maxOccurs="1" name="FeedbackAnswerId"
      xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
    <xs:element minOccurs="1" maxOccurs="1" name="FeedbackAnswerNumericEquivalent"
      type="xs:int"/>
    <xs:element minOccurs="0" maxOccurs="1" name="FeedbackAnswerText" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="FeedbackControlCulture" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="FeedbackIdentifier"
      xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
    <xs:element minOccurs="1" maxOccurs="1" name="FeedbackQuestionId"
      xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
  </xs:sequence>
</xs:complexType>
```

```

    <xs:element minOccurs="0" maxOccurs="1" name="FeedbackQuestionText" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="IsUserSatisfactionAnswer"
type="xs:boolean"/>
    <xs:element minOccurs="1" maxOccurs="1" name="QueryId"
xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
    <xs:element minOccurs="0" maxOccurs="1" name="RatedAssetId" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="RatedAssetTitle" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="SampleRate" type="xs:unsignedByte"/>
    <xs:element minOccurs="1" maxOccurs="1" name="RatedAssetWebId"
xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
    <xs:element minOccurs="1" maxOccurs="1" name="SiteId"
xmlns:s1="http://microsoft.com/wsdl/types/" type="s1:guid"/>
    <xs:element minOccurs="0" maxOccurs="1" name="UserId" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="UserDepartment" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="UserTitle" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="UserVerbatim" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

BrowserSessionId: A string type that contains the identifier that was assigned to the instance of the Web browser session's **SessionId** field (1) that was active when the operation was called.

CustomData: Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

FeedbackAnswerId: A GUID value that MUST be "a970c91c-28cb-4656-9b28-1fc1c9f87725".

FeedbackAnswerNumericEquivalent: An integer type that specifies the rating number to store. The value MUST be in the range of 0 to 100 inclusive.

FeedbackAnswerText: Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

FeedbackControlCulture: Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

FeedbackIdentifier: Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

FeedbackQuestionId: A GUID value that MUST be "b471a6c6-c2c6-412e-aa07-96b0ed29eb30".

FeedbackQuestionText: Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

IsUserSatisfactionAnswer: A Boolean value that MUST be **true**.

QueryId: A GUID value that MUST be "00000000-0000-0000-0000-000000000000".

RatedAssetId: A string type that specifies the URL to which the feedback data applies. This value MUST be the same as the value of the **url** element of the **SetRating** request (section [3.1.4.40.2.1](#)) that specified this **FeedbackData** complex type.

RatedAssetTitle: Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

SampleRate: An unsigned byte value that MUST be 100.

RatedAssetWebId: A GUID type that identifies the site (2) containing the item to which to apply the rating.

SiteId: A GUID type that identifies the site (2) collection containing the item to which to apply the rating.

UserId: Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

UserDepartment: Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

UserTitle: Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

UserVerbatim: Ignored. This element MUST NOT be set by client. The protocol server MUST ignore this value.

3.1.4.40.4 Simple Types

None.

3.1.4.40.5 Attributes

None.

3.1.4.40.6 Groups

None.

3.1.4.40.7 Attribute Groups

None.

3.1.4.41 UpdateComment

The **UpdateComment** operation updates an existing social comment at a specified URI that was created by the calling user with the specified last modified time.

```
<wsdl:operation name="UpdateComment" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">  
  <wsdl:input message="tns:UpdateCommentSoapIn"/>  
  <wsdl:output message="tns:UpdateCommentSoapOut"/>  
</wsdl:operation>
```

The protocol client sends an **UpdateCommentSoapIn** request message (section [3.1.4.41.1.1](#)) and the protocol server responds with an **UpdateCommentSoapOut** response message (section [3.1.4.41.1.2](#)).

If the comment is not found at the specified URI created by the calling user with the specified time of last modification, the protocol server MUST return the current UTC time. The **Title** of a social comment cannot be updated using this operation.

3.1.4.41.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
UpdateCommentSoapIn	The request WSDL message for the UpdateComment WSDL operation.
UpdateCommentSoapOut	The response WSDL message for the UpdateComment WSDL operation.

3.1.4.41.1.1 UpdateCommentSoapIn

The request WSDL message for the **UpdateComment** WSDL operation.

The SOAP action value is:

```
http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/UpdateComment
```

The SOAP body contains the **UpdateComment** element.

3.1.4.41.1.2 UpdateCommentSoapOut

The response WSDL message for the **UpdateComment** WSDL operation.

The SOAP body contains the **UpdateCommentResponse** element.

3.1.4.41.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
UpdateComment	The input data for the UpdateComment WSDL operation.
UpdateCommentResponse	The result data for the UpdateComment WSDL operation.

3.1.4.41.2.1 UpdateComment

The **UpdateComment** element specifies the input data for the **UpdateComment** WSDL operation.

```
<xs:element name="UpdateComment" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="lastModifiedTime" type="xs:dateTime"/>
      <xs:element minOccurs="0" maxOccurs="1" name="comment" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="isHighPriority" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

url: A string that specifies the URI that is associated with the social comment to update. This value MUST be fewer than 2085 characters and MUST be URI format.

lastModifiedTime: A **dateTime** value that indicates when the social comment to update was last modified.

comment: A string that contains the body of the social comment. This value MUST contain at least one character and fewer than 4001 characters.

isHighPriority: A Boolean that indicates the priority level of the social comment. A value of **true** indicates that the social comment is high priority. A value of **false** indicates that the social comment is normal priority.

3.1.4.41.2.2 UpdateCommentResponse

The **UpdateCommentResponse** element specifies the result data for the **UpdateComment** WSDL operation.

```
<xs:element name="UpdateCommentResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="UpdateCommentResult" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

UpdateCommentResult: A **dateTime** value that indicates the UTC time when this operation was called.

3.1.4.41.3 Complex Types

None.

3.1.4.41.4 Simple Types

None.

3.1.4.41.5 Attributes

None.

3.1.4.41.6 Groups

None.

3.1.4.41.7 Attribute Groups

None.

3.1.5 Timer Events

None.

3.1.6 Other Local Events

None.

4 Protocol Examples

4.1 Add Social Data to a URI

In this scenario, the current user wants to add a social comment and a social tag to a Web page. The protocol client uses the **AddComment** (section [3.1.4.1](#)) and **AddTagByKeyword** (section [3.1.4.3](#)) operations to add the data.

The protocol client starts by sending the following **AddComment** request.

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <AddComment
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/page</url>
      <comment>I enjoyed reading this page and will return to it later for
reference.</comment>
      <isHighPriority>>false</isHighPriority>
      <title>Reference Page</title>
    </AddComment>
  </soap:Body>
</soap:Envelope>
```

The protocol server stores this information and sends the following response.

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <AddCommentResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <AddCommentResult>
        <Url>http://server.example.com/page</Url>
        <Owner>USERNAME</Owner>
        <LastModifiedTime>2009-05-08T19:32:27.847</LastModifiedTime>
        <Comment>I enjoyed reading this page and will return to it later for
reference.</Comment>
        <IsHighPriority>>false</IsHighPriority>
        <Title>Reference Page</Title>
      </AddCommentResult>
    </AddCommentResponse>
  </soap:Body>
</soap:Envelope>
```

The user also wants to add a social tag. Therefore, the protocol client sends the following **AddTagByKeyword** request.

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
```

```

    <AddTagByKeyword
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
    <url>http://server.example.com/page</url>
    <keyword>for future reference</keyword>
    <title>Reference Page</title>
    <isPrivate>>false</isPrivate>
  </AddTagByKeyword>
</soap:Body>
</soap:Envelope>

```

The protocol server stores this information and sends the following response.

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <AddTagByKeywordResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <AddTagByKeywordResult>
        <Url>http://server.example.com/page</Url>
        <Owner>USERNAME</Owner>
        <LastModifiedTime>2009-05-08T19:46:06.513</LastModifiedTime>
        <Term>
          <Id>e62b6078-456f-4b4d-8497-c4037f54f9e8</Id>
          <Name>for future reference</Name>
        </Term>
        <Title>Reference Page</Title>
        <IsPrivate>>false</IsPrivate>
      </AddTagByKeywordResult>
    </AddTagByKeywordResponse>
  </soap:Body>
</soap:Envelope>

```

4.2 View Social Data Comments

In this scenario, the current user wants to see the number of social comments that they have added and the social comments that they have added to a specific page.

The protocol client starts by sending the following **CountCommentsOfUser** request (section [3.1.4.4](#)).

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CountCommentsOfUser
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <userAccountName>USERNAME</userAccountName>
    </CountCommentsOfUser>
  </soap:Body>
</soap:Envelope>

```

The protocol server sends the following response.

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CountCommentsOfUserResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <CountCommentsOfUserResult>3</CountCommentsOfUserResult>
    </CountCommentsOfUserResponse>
  </soap:Body>
</soap:Envelope>

```

The protocol client then sends the following **CountCommentsOnUrl** request (section [3.1.4.6](#)).

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CountCommentsOnUrl
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/page</url>
    </CountCommentsOnUrl>
  </soap:Body>
</soap:Envelope>

```

The protocol server sends the following response.

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CountCommentsOnUrlResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <CountCommentsOnUrlResult>1</CountCommentsOnUrlResult>
    </CountCommentsOnUrlResponse>
  </soap:Body>
</soap:Envelope>

```

To verify that this social comment was added by the current user, the protocol client sends the following **CountCommentsOfUserOnUrl** request (section [3.1.4.5](#)).

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CountCommentsOfUserOnUrl
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <userAccountName>USERNAME</userAccountName>
      <url>http://server.example.com/page</url>
    </CountCommentsOfUserOnUrl>
  </soap:Body>
</soap:Envelope>

```

The protocol server sends the following response.

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CountCommentsOfUserOnUrlResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <CountCommentsOfUserOnUrlResult>1</CountCommentsOfUserOnUrlResult>
    </CountCommentsOfUserOnUrlResponse>
  </soap:Body>
</soap:Envelope>
```

Finally, the protocol client requests the complete social comment for this URI by sending the following **GetCommentsOnUrl** request (section [3.1.4.20](#)).

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetCommentsOnUrl
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/page</url>
      <maximumItemsToReturn>5</maximumItemsToReturn>
      <startIndex>0</startIndex>
      <excludeItemsTime>2009-05-07T00:00:00</excludeItemsTime>
    </GetCommentsOnUrl>
  </soap:Body>
</soap:Envelope>
```

The protocol server sends the following response.

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetCommentsOnUrlResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <GetCommentsOnUrlResult>
        <SocialCommentDetail>
          <Url>http://server.example.com/page</Url>
          <Owner>USERNAME</Owner>
          <LastModifiedTime>2009-05-08T19:32:27.847</LastModifiedTime>
          <Comment>I enjoyed reading this page and will return to it later for
reference.</Comment>
          <IsHighPriority>>false</IsHighPriority>
          <Title>Reference Page</Title>
        </SocialCommentDetail>
      </GetCommentsOnUrlResult>
    </GetCommentsOnUrlResponse>
  </soap:Body>
</soap:Envelope>
```

4.3 Delete Social Data Comments

In this scenario, the current user wants to delete a social comment that they added. This example assumes that the protocol client knows the value of the **LastModifiedTime** element of the social comment to delete.

The protocol client starts by sending the following **DeleteComment** request (section [3.1.4.9](#)) to the protocol server.

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteComment
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/page</url>
      <lastModifiedTime>2009-05-08T19:32:27.847</lastModifiedTime>
    </DeleteComment>
  </soap:Body>
</soap:Envelope>
```

The protocol server deletes the social comment and sends the following response.

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteCommentResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService" />
  </soap:Body>
</soap:Envelope>
```

4.4 Find Social Data Tags

In this scenario, the current user wants to see a list of their social tags and other URIs that have the same social tags.

The protocol client starts by sending the following **GetTagsOfUser** request (section [3.1.4.29](#)).

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTagsOfUser
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <userAccountName>USERNAME</userAccountName>
      <maximumItemsToReturn>100</maximumItemsToReturn>
      <startIndex>0</startIndex>
    </GetTagsOfUser>
  </soap:Body>
</soap:Envelope>
```

The protocol server sends the following response.


```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTagsOfUserResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <GetTagsOfUserResult>
        <SocialTagDetail>
          <Url>http://server.example.com/page</Url>
          <Owner>USERNAME</Owner>
          <LastModifiedTime>2009-05-08T19:46:06.513</LastModifiedTime>
          <Term>
            <Id>e62b6078-456f-4b4d-8497-c4037f54f9e8</Id>
            <Name>for future reference</Name>
          </Term>
          <Title>Reference Page</Title>
          <IsPrivate>>false</IsPrivate>
        </SocialTagDetail>
      </GetTagsOfUserResult>
    </GetTagsOfUserResponse>
  </soap:Body>
</soap:Envelope>

```

The current user is interested in other URIs that have the same social tag. To retrieve these URIs, the protocol client sends the following **GetTagUrls** request (section [3.1.4.33](#)).

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTagUrls
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <termID>e62b6078-456f-4b4d-8497-c4037f54f9e8</termID>
    </GetTagUrls>
  </soap:Body>
</soap:Envelope>

```

The protocol server sends the following response.

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTagUrlsResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <GetTagUrlsResult>
        <string>http://server.example.com/page</string>
        <string>http://server.example.com/page2</string>
      </GetTagUrlsResult>
    </GetTagUrlsResponse>
  </soap:Body>
</soap:Envelope>

```

4.5 Delete Social Data Tags

In this scenario, the current user wants to delete a social tag that they created, as described in the preceding examples. This example assumes that the protocol client has saved the value of the **termID** element for the social tag.

The protocol client sends the following **DeleteTag** request (section [3.1.4.11](#)).

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteTag
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/page</url>
      <termID>e62b6078-456f-4b4d-8497-c4037f54f9e8</termID>
    </DeleteTag>
  </soap:Body>
</soap:Envelope>
```

The protocol server deletes the specified social tag and sends the following response.

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteTagResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService" />
  </soap:Body>
</soap:Envelope>
```

4.6 Add Social Ratings to a URI

In this example, the current user wants to add a social rating to a document.

The protocol client does this by sending the following **SetRating** request (section [3.1.4.40](#)).

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <SetRating
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/document</url>
      <rating>5</rating>
      <title>Title</title>
      <analysisDataEntry>
        <BrowserSessionId></BrowserSessionId>
        <FeedbackAnswerId>a970c91c-28cb-4656-9b28-1fc1c9f87725</FeedbackAnswerId>
        <FeedbackAnswerNumericEquivalent>5</FeedbackAnswerNumericEquivalent>
        <FeedbackQuestionId>b471a6c6-c2c6-412e-aa07-96b0ed29eb30</FeedbackQuestionId>
        <IsUserSatisfactionAnswer>1</IsUserSatisfactionAnswer>
        <RatedAssetId>http://server.example.com/document</RatedAssetId>
        <SampleRate>100</SampleRate>
      </analysisDataEntry>
    </SetRating>
  </soap:Body>
</soap:Envelope>
```

```

        <RatedAssetWebId>2a01a954-1db0-45c9-942a-38f0288c8591</RatedAssetWebId>
        <SiteId>58cdfd10-f3a7-4528-97e2-6f8e8a077aba</SiteId>
    </analysisDataEntry>
</SetRating>
</soap:Body>
</soap:Envelope>

```

The protocol server stores this information and sends the following response.

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Body>
        <SetRatingResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
            <SetRatingResult>2009-05-08T23:59:06.17</SetRatingResult>
        </SetRatingResponse>
    </soap:Body>
</soap:Envelope>

```

4.7 Find Information about Social Ratings

In this scenario, the current user wants to see the average rating for a document, and then progressively get more information about the social ratings for that document and their social ratings for other documents.

The protocol client starts by sending the following **GetRatingAverageOnUrl** request (section [3.1.4.21](#)).

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Body>
        <GetRatingAverageOnUrl
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
            <url>http://server.example.com/document</url>
        </GetRatingAverageOnUrl>
    </soap:Body>
</soap:Envelope>

```

The protocol server sends the following response.

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Body>
        <GetRatingAverageOnUrlResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
            <GetRatingAverageOnUrlResult>
                <Url>http://server.example.com/document</Url>
                <Average>2.75</Average>
                <LastModifiedTime>2009-05-11T17:14:44.26</LastModifiedTime>
            </GetRatingAverageOnUrlResult>
        </GetRatingAverageOnUrlResponse>
    </soap:Body>
</soap:Envelope>

```

```

        <Count>4</Count>
        <CurrentUserRating>5</CurrentUserRating>
    </GetRatingAverageOnUrlResult>
</GetRatingAverageOnUrlResponse>
</soap:Body>
</soap:Envelope>

```

The current user now wants to see details for all four social ratings for the document. The protocol client sends the following **GetRatingsOnUrl** request (section [3.1.4.23](#)).

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Body>
        <GetRatingsOnUrl
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
            <url>http://server.example.com/document</url>
        </GetRatingsOnUrl>
    </soap:Body>
</soap:Envelope>

```

The protocol server sends the following response.

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Body>
        <GetRatingsOnUrlResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
            <GetRatingsOnUrlResult>
                <SocialRatingDetail>
                    <Url>http://server.example.com/document</Url>
                    <Owner>USERNAME</Owner>
                    <LastModifiedTime>2009-05-08T23:59:06.17</LastModifiedTime>
                    <Title>Title</Title>
                    <Rating>5</Rating>
                </SocialRatingDetail>
                <SocialRatingDetail>
                    <Url>http://server.example.com/document</Url>
                    <Owner>USERNAME1</Owner>
                    <LastModifiedTime>2009-05-11T17:14:43.683</LastModifiedTime>
                    <Title>Title2</Title>
                    <Rating>1</Rating>
                </SocialRatingDetail>
                <SocialRatingDetail>
                    <Url>http://server.example.com/document</Url>
                    <Owner>USERNAME2</Owner>
                    <LastModifiedTime>2009-05-11T17:14:44.043</LastModifiedTime>
                    <Title>Title3</Title>
                    <Rating>2</Rating>
                </SocialRatingDetail>
                <SocialRatingDetail>
                    <Url>http://server.example.com/document</Url>
                    <Owner>USERNAME3</Owner>
                    <LastModifiedTime>2009-05-11T17:14:44.26</LastModifiedTime>
                </SocialRatingDetail>
            </GetRatingsOnUrlResult>
        </GetRatingsOnUrlResponse>
    </soap:Body>
</soap:Envelope>

```

```

        <Title>Title4</Title>
        <Rating>3</Rating>
    </SocialRatingDetail>
</GetRatingsOnUrlResult>
</GetRatingsOnUrlResponse>
</soap:Body>
</soap:Envelope>

```

The current user now wants to know about all the social ratings that were added by a specific user. The protocol client sends the following **GetRatingsOfUser** request (section [3.1.4.24](#)).

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Body>
        <GetRatingsOfUser
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
            <userAccountName>USERNAME</userAccountName>
        </GetRatingsOfUser>
    </soap:Body>
</soap:Envelope>

```

The protocol server sends the following response.

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Body>
        <GetRatingsOfUserResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
            <GetRatingsOfUserResult>
                <SocialRatingDetail>
                    <Url>http://server.example.com/document</Url>
                    <Owner>USERNAME</Owner>
                    <LastModifiedTime>2009-05-08T23:59:06.17</LastModifiedTime>
                    <Title>Title</Title>
                    <Rating>5</Rating>
                </SocialRatingDetail>
                <SocialRatingDetail>
                    <Url>http://server.example.com/document2</Url>
                    <Owner>USERNAME</Owner>
                    <LastModifiedTime>2009-05-08T23:56:07.21</LastModifiedTime>
                    <Title>Title2</Title>
                    <Rating>4</Rating>
                </SocialRatingDetail>
            </GetRatingsOfUserResult>
        </GetRatingsOfUserResponse>
    </soap:Body>
</soap:Envelope>

```

4.8 Delete Social Ratings

In this example, the current user wants to delete one of their social ratings.

The protocol client sends the following **DeleteRating** request (section [3.1.4.10](#)).

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteRating
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <url>http://server.example.com/document</url>
    </DeleteRating>
  </soap:Body>
</soap:Envelope>
```

The protocol server deletes the rating and sends the following response.

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteRatingResponse
xmlns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService" />
  </soap:Body>
</soap:Envelope>
```

5 Security

5.1 Security Considerations for Implementers

None.

5.2 Index of Security Parameters

None.

6 Appendix A: Full WSDL

For ease of implementation, the full WSDL is provided in this appendix.

```
<?xml version="1.0"?>
<wsdl:definitions
  xmlns:tns="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService"
  xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
  xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
  xmlns:s1="http://microsoft.com/wsdl/types/"
  xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:documentation>Social Data Service</wsdl:documentation>
  <wsdl:types>
    <xs:schema elementFormDefault="qualified"
      targetNamespace="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService">
      <xs:import namespace="http://microsoft.com/wsdl/types/" />
      <xs:element name="CountCommentsOfUser">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="CountCommentsOfUserResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="CountCommentsOfUserResult"
              type="xs:int"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="CountCommentsOnUrl">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="CountCommentsOnUrlResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="CountCommentsOnUrlResult"
              type="xs:int"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="CountCommentsOfUserOnUrl">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="CountCommentsOfUserOnUrlResponse">
        <xs:complexType>
```



```

        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1" name="CountCommentsOfUserOnUrlResult"
type="xs:int"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetCommentsOfUser">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
          <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn"
nillable="true" type="xs:int"/>
          <xs:element minOccurs="1" maxOccurs="1" name="startIndex" nillable="true"
type="xs:int"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetCommentsOfUserResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetCommentsOfUserResult"
type="tns:ArrayOfSocialCommentDetail"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:complexType name="ArrayOfSocialCommentDetail">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="SocialCommentDetail"
nillable="true" type="tns:SocialCommentDetail"/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="SocialCommentDetail">
      <xs:complexContent mixed="false">
        <xs:extension base="tns:SocialDataDetail">
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="Comment" type="xs:string"/>
            <xs:element minOccurs="1" maxOccurs="1" name="IsHighPriority"
type="xs:boolean"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="SocialDataDetail" abstract="true">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string"/>
        <xs:element minOccurs="0" maxOccurs="1" name="Owner" type="xs:string"/>
        <xs:element minOccurs="1" maxOccurs="1" name="LastModifiedTime"
type="xs:dateTime"/>
        <xs:element minOccurs="0" maxOccurs="1" name="Title" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element name="GetCommentsOnUrl">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
          <xs:element minOccurs="1" maxOccurs="1" name="maximumItemsToReturn"
nillable="true" type="xs:int"/>
          <xs:element minOccurs="1" maxOccurs="1" name="startIndex" nillable="true"
type="xs:int"/>

```

```

        <xs:element minOccurs="1" maxOccurs="1" name="excludeItemsTime" nillable="true"
type="xs:dateTime"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetCommentsOnUrlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetCommentsOnUrlResult"
type="tns:ArrayOfSocialCommentDetail"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetCommentsOfUserOnUrl">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="userAccountName" type="xs:string"/>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetCommentsOfUserOnUrlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetCommentsOfUserOnUrlResult"
type="tns:ArrayOfSocialCommentDetail"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="AddComment">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
            <xs:element minOccurs="0" maxOccurs="1" name="comment" type="xs:string"/>
            <xs:element minOccurs="1" maxOccurs="1" name="isHighPriority" nillable="true"
type="xs:boolean"/>
            <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="AddCommentResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="AddCommentResult"
type="tns:SocialCommentDetail"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="UpdateComment">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="url" type="xs:string"/>
            <xs:element minOccurs="1" maxOccurs="1" name="lastModifiedTime"
type="xs:dateTime"/>
            <xs:element minOccurs="0" maxOccurs="1" name="comment" type="xs:string"/>
            <xs:element minOccurs="1" maxOccurs="1" name="isHighPriority" type="xs:boolean"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>

```

```

<xs:element name="UpdateCommentResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="UpdateCommentResult"
type="xs:dateTime"/>
    </xs:sequence>
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type="xs:dateTime"/>
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type="tns:SocialRatingDetail"/>
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type="xs:int"/>
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type="xs:string"/>
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type="xs:string"/>
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type="xs:string"/>
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type="xs:boolean"/>
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type="xs:dateTime"/>
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      <xs:element minOccurs="0" maxOccurs="1" name="Ratings"
type="tns:ArrayOfSocialRatingDetail"/>
      <xs:element minOccurs="0" maxOccurs="1" name="DeletedTags"
type="tns:ArrayOfDeletedSocialTagDetail"/>
      <xs:element minOccurs="0" maxOccurs="1" name="DeletedComments"
type="tns:ArrayOfDeletedSocialCommentDetail"/>
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    <xs:element minOccurs="1" maxOccurs="1" name="DeletedTime" type="xs:dateTime"/>
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  <xs:complexContent mixed="false">
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type="xs:dateTime"/>
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    </xs:extension>
  </xs:complexContent>
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    <xs:element minOccurs="0" maxOccurs="unbounded" name="DeletedSocialCommentDetail"
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name="GetSocialDataForIncrementalReplicationResult" type="tns:SocialReplicationData"/>
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name="GetSocialDataForFullReplicationResult" type="tns:SocialReplicationData"/>
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type="tns:SocialReplicationData"/>
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type="tns:SocialReplicationData"/>
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        <xs:sequence>
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    <xs:simpleType name="guid">
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        <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-
9a-fA-F]{12}"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:schema>
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  <wsdl:part name="parameters" element="tns:CountCommentsOfUser"/>
</wsdl:message>
<wsdl:message name="CountCommentsOfUserSoapOut">
  <wsdl:part name="parameters" element="tns:CountCommentsOfUserResponse"/>
</wsdl:message>
<wsdl:message name="CountCommentsOnUrlSoapIn">
  <wsdl:part name="parameters" element="tns:CountCommentsOnUrl"/>
</wsdl:message>
<wsdl:message name="CountCommentsOnUrlSoapOut">
  <wsdl:part name="parameters" element="tns:CountCommentsOnUrlResponse"/>
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  <wsdl:part name="parameters" element="tns:CountCommentsOfUserOnUrl"/>
</wsdl:message>
<wsdl:message name="CountCommentsOfUserOnUrlSoapOut">
  <wsdl:part name="parameters" element="tns:CountCommentsOfUserOnUrlResponse"/>

```

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</wsdl:message>
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</wsdl:message>
<wsdl:message name="GetCommentsOfUserSoapOut">
  <wsdl:part name="parameters" element="tns:GetCommentsOfUserResponse"/>
</wsdl:message>
<wsdl:message name="GetCommentsOnUrlSoapIn">
  <wsdl:part name="parameters" element="tns:GetCommentsOnUrl"/>
</wsdl:message>
<wsdl:message name="GetCommentsOnUrlSoapOut">
  <wsdl:part name="parameters" element="tns:GetCommentsOnUrlResponse"/>
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  <wsdl:part name="parameters" element="tns:GetCommentsOfUserOnUrl"/>
</wsdl:message>
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  <wsdl:part name="parameters" element="tns:GetCommentsOfUserOnUrlResponse"/>
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  <wsdl:part name="parameters" element="tns:CountRatingsOnUrlResponse"/>
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    <wsdl:part name="parameters" element="tns:GetRatingOnUrlResponse"/>
</wsdl:message>
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  <wsdl:part name="parameters" element="tns:GetRatingOfUserOnUrl"/>
</wsdl:message>
<wsdl:message name="GetRatingOfUserOnUrlSoapOut">
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<wsdl:message name="PropagateRatingSoapOut">
  <wsdl:part name="parameters" element="tns:PropagateRatingResponse"/>
</wsdl:message>
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</wsdl:message>
<wsdl:message name="CountTagsOfUserSoapOut">
  <wsdl:part name="parameters" element="tns:CountTagsOfUserResponse"/>
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</wsdl:message>
<wsdl:message name="GetTagTermsSoapOut">
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  <wsdl:part name="parameters" element="tns:GetTagTermsOfUserResponse"/>
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</wsdl:message>
<wsdl:message name="GetAllTagTermsSoapIn">
  <wsdl:part name="parameters" element="tns:GetAllTagTerms"/>
</wsdl:message>

```



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<wsdl:message name="GetAllTagTermsSoapOut">
  <wsdl:part name="parameters" element="tns:GetAllTagTermsResponse"/>
</wsdl:message>
<wsdl:message name="GetAllTagTermsForUrlFolderSoapIn">
  <wsdl:part name="parameters" element="tns:GetAllTagTermsForUrlFolder"/>
</wsdl:message>
<wsdl:message name="GetAllTagTermsForUrlFolderSoapOut">
  <wsdl:part name="parameters" element="tns:GetAllTagTermsForUrlFolderResponse"/>
</wsdl:message>
<wsdl:message name="GetTagsSoapIn">
  <wsdl:part name="parameters" element="tns:GetTags"/>
</wsdl:message>
<wsdl:message name="GetTagsSoapOut">
  <wsdl:part name="parameters" element="tns:GetTagsResponse"/>
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  <wsdl:part name="parameters" element="tns:GetTagsOfUserResponse"/>
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  <wsdl:part name="parameters" element="tns:GetTagUrlsOfUserByKeyword"/>
</wsdl:message>
<wsdl:message name="GetTagUrlsOfUserByKeywordSoapOut">
  <wsdl:part name="parameters" element="tns:GetTagUrlsOfUserByKeywordResponse"/>
</wsdl:message>
<wsdl:message name="GetAllTagUrlsSoapIn">
  <wsdl:part name="parameters" element="tns:GetAllTagUrls"/>
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  <wsdl:part name="parameters" element="tns:GetAllTagUrlsByKeywordResponse"/>
</wsdl:message>
<wsdl:message name="AddTagSoapIn">
  <wsdl:part name="parameters" element="tns:AddTag"/>

```

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</wsdl:message>
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  <wsdl:part name="parameters" element="tns:AddTagResponse"/>
</wsdl:message>
<wsdl:message name="AddTagByKeywordSoapIn">
  <wsdl:part name="parameters" element="tns:AddTagByKeyword"/>
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</wsdl:message>
<wsdl:message name="DeleteTagByKeywordSoapOut">
  <wsdl:part name="parameters" element="tns>DeleteTagByKeywordResponse"/>
</wsdl:message>
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  <wsdl:part name="parameters" element="tns>DeleteTags"/>
</wsdl:message>
<wsdl:message name="DeleteTagsSoapOut">
  <wsdl:part name="parameters" element="tns>DeleteTagsResponse"/>
</wsdl:message>
<wsdl:message name="GetSocialDataForIncrementalReplicationSoapIn">
  <wsdl:part name="parameters" element="tns:GetSocialDataForIncrementalReplication"/>
</wsdl:message>
<wsdl:message name="GetSocialDataForIncrementalReplicationSoapOut">
  <wsdl:part name="parameters"
element="tns:GetSocialDataForIncrementalReplicationResponse"/>
</wsdl:message>
<wsdl:message name="GetSocialDataForFullReplicationSoapIn">
  <wsdl:part name="parameters" element="tns:GetSocialDataForFullReplication"/>
</wsdl:message>
<wsdl:message name="GetSocialDataForFullReplicationSoapOut">
  <wsdl:part name="parameters" element="tns:GetSocialDataForFullReplicationResponse"/>
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<wsdl:message name="ReplicateIncrementalSocialDataSoapOut">
  <wsdl:part name="parameters" element="tns:ReplicateIncrementalSocialDataResponse"/>
</wsdl:message>
<wsdl:message name="ReplicateFullSocialDataSoapIn">
  <wsdl:part name="parameters" element="tns:ReplicateFullSocialData"/>
</wsdl:message>
<wsdl:message name="ReplicateFullSocialDataSoapOut">
  <wsdl:part name="parameters" element="tns:ReplicateFullSocialDataResponse"/>
</wsdl:message>
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  <wsdl:operation name="CountCommentsOfUser">
    <wsdl:input message="tns:CountCommentsOfUserSoapIn"/>
    <wsdl:output message="tns:CountCommentsOfUserSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="CountCommentsOnUrl">

```

```

    <wsdl:input message="tns:CountCommentsOnUrlSoapIn"/>
    <wsdl:output message="tns:CountCommentsOnUrlSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="CountCommentsOfUserOnUrl">
    <wsdl:input message="tns:CountCommentsOfUserOnUrlSoapIn"/>
    <wsdl:output message="tns:CountCommentsOfUserOnUrlSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="GetCommentsOfUser">
    <wsdl:input message="tns:GetCommentsOfUserSoapIn"/>
    <wsdl:output message="tns:GetCommentsOfUserSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="GetCommentsOnUrl">
    <wsdl:input message="tns:GetCommentsOnUrlSoapIn"/>
    <wsdl:output message="tns:GetCommentsOnUrlSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="GetCommentsOfUserOnUrl">
    <wsdl:input message="tns:GetCommentsOfUserOnUrlSoapIn"/>
    <wsdl:output message="tns:GetCommentsOfUserOnUrlSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="AddComment">
    <wsdl:input message="tns:AddCommentSoapIn"/>
    <wsdl:output message="tns:AddCommentSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="UpdateComment">
    <wsdl:input message="tns:UpdateCommentSoapIn"/>
    <wsdl:output message="tns:UpdateCommentSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="DeleteComment">
    <wsdl:input message="tns>DeleteCommentSoapIn"/>
    <wsdl:output message="tns>DeleteCommentSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="CountRatingsOnUrl">
    <wsdl:input message="tns:CountRatingsOnUrlSoapIn"/>
    <wsdl:output message="tns:CountRatingsOnUrlSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="GetRatingsOfUser">
    <wsdl:input message="tns:GetRatingsOfUserSoapIn"/>
    <wsdl:output message="tns:GetRatingsOfUserSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="GetRatingsOnUrl">
    <wsdl:input message="tns:GetRatingsOnUrlSoapIn"/>
    <wsdl:output message="tns:GetRatingsOnUrlSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="GetRatingOnUrl">
    <wsdl:input message="tns:GetRatingOnUrlSoapIn"/>
    <wsdl:output message="tns:GetRatingOnUrlSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="GetRatingOfUserOnUrl">
    <wsdl:input message="tns:GetRatingOfUserOnUrlSoapIn"/>
    <wsdl:output message="tns:GetRatingOfUserOnUrlSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="SetRating">
    <wsdl:input message="tns:SetRatingSoapIn"/>
    <wsdl:output message="tns:SetRatingSoapOut"/>
  </wsdl:operation>
  <wsdl:operation name="DeleteRating">
    <wsdl:input message="tns>DeleteRatingSoapIn"/>
    <wsdl:output message="tns>DeleteRatingSoapOut"/>
  </wsdl:operation>

```

```

<wsdl:operation name="GetRatingAverageOnUrl">
  <wsdl:input message="tns:GetRatingAverageOnUrlSoapIn"/>
  <wsdl:output message="tns:GetRatingAverageOnUrlSoapOut"/>
</wsdl:operation>
<wsdl:operation name="PropagateRating">
  <wsdl:input message="tns:PropagateRatingSoapIn"/>
  <wsdl:output message="tns:PropagateRatingSoapOut"/>
</wsdl:operation>
<wsdl:operation name="CountTagsOfUser">
  <wsdl:input message="tns:CountTagsOfUserSoapIn"/>
  <wsdl:output message="tns:CountTagsOfUserSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetTagTerms">
  <wsdl:input message="tns:GetTagTermsSoapIn"/>
  <wsdl:output message="tns:GetTagTermsSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetTagTermsOfUser">
  <wsdl:input message="tns:GetTagTermsOfUserSoapIn"/>
  <wsdl:output message="tns:GetTagTermsOfUserSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetTagTermsOnUrl">
  <wsdl:input message="tns:GetTagTermsOnUrlSoapIn"/>
  <wsdl:output message="tns:GetTagTermsOnUrlSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetAllTagTerms">
  <wsdl:input message="tns:GetAllTagTermsSoapIn"/>
  <wsdl:output message="tns:GetAllTagTermsSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetAllTagTermsForUrlFolder">
  <wsdl:input message="tns:GetAllTagTermsForUrlFolderSoapIn"/>
  <wsdl:output message="tns:GetAllTagTermsForUrlFolderSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetTags">
  <wsdl:input message="tns:GetTagsSoapIn"/>
  <wsdl:output message="tns:GetTagsSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetTagsOfUser">
  <wsdl:input message="tns:GetTagsOfUserSoapIn"/>
  <wsdl:output message="tns:GetTagsOfUserSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetTagUrls">
  <wsdl:input message="tns:GetTagUrlsSoapIn"/>
  <wsdl:output message="tns:GetTagUrlsSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetTagUrlsByKeyword">
  <wsdl:input message="tns:GetTagUrlsByKeywordSoapIn"/>
  <wsdl:output message="tns:GetTagUrlsByKeywordSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetTagUrlsOfUser">
  <wsdl:input message="tns:GetTagUrlsOfUserSoapIn"/>
  <wsdl:output message="tns:GetTagUrlsOfUserSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetTagUrlsOfUserByKeyword">
  <wsdl:input message="tns:GetTagUrlsOfUserByKeywordSoapIn"/>
  <wsdl:output message="tns:GetTagUrlsOfUserByKeywordSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetAllTagUrls">
  <wsdl:input message="tns:GetAllTagUrlsSoapIn"/>
  <wsdl:output message="tns:GetAllTagUrlsSoapOut"/>

```

```

</wsdl:operation>
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  <wsdl:output message="tns:GetAllTagUrlsByKeywordSoapOut"/>
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  <wsdl:input message="tns:AddTagSoapIn"/>
  <wsdl:output message="tns:AddTagSoapOut"/>
</wsdl:operation>
<wsdl:operation name="AddTagByKeyword">
  <wsdl:input message="tns:AddTagByKeywordSoapIn"/>
  <wsdl:output message="tns:AddTagByKeywordSoapOut"/>
</wsdl:operation>
<wsdl:operation name="DeleteTag">
  <wsdl:input message="tns:DeleteTagSoapIn"/>
  <wsdl:output message="tns:DeleteTagSoapOut"/>
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  <wsdl:output message="tns:DeleteTagsSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetSocialDataForIncrementalReplication">
  <wsdl:input message="tns:GetSocialDataForIncrementalReplicationSoapIn"/>
  <wsdl:output message="tns:GetSocialDataForIncrementalReplicationSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetSocialDataForFullReplication">
  <wsdl:input message="tns:GetSocialDataForFullReplicationSoapIn"/>
  <wsdl:output message="tns:GetSocialDataForFullReplicationSoapOut"/>
</wsdl:operation>
<wsdl:operation name="ReplicateIncrementalSocialData">
  <wsdl:input message="tns:ReplicateIncrementalSocialDataSoapIn"/>
  <wsdl:output message="tns:ReplicateIncrementalSocialDataSoapOut"/>
</wsdl:operation>
<wsdl:operation name="ReplicateFullSocialData">
  <wsdl:input message="tns:ReplicateFullSocialDataSoapIn"/>
  <wsdl:output message="tns:ReplicateFullSocialDataSoapOut"/>
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="SocialDataServiceSoap" type="tns:SocialDataServiceSoap">
  <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
  <wsdl:operation name="CountCommentsOfUser">
    <soap:operation
      soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCommentsOfUser" style="document"/>
    <wsdl:input>
      <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="CountCommentsOnUrl">
    <soap:operation
      soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCommentsOnUrl" style="document"/>

```

```

    <wsdl:input>
      <soap:body use="literal"/>
    </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="CountCommentsOfUserOnUrl">
  <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCommentsOfUserOnUrl" style="document"/>
  <wsdl:input>
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetCommentsOfUser">
  <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetCommentsOfUser" style="document"/>
  <wsdl:input>
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetCommentsOnUrl">
  <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetCommentsOnUrl" style="document"/>
  <wsdl:input>
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetCommentsOfUserOnUrl">
  <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetCommentsOfUserOnUrl" style="document"/>
  <wsdl:input>
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="AddComment">
  <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddComment" style="document"/>
  <wsdl:input>
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>

```

```

        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="UpdateComment">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/UpdateC
omment" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteComment">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteC
omment" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="CountRatingsOnUrl">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountRa
tingsOnUrl" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingsOfUser">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngsOfUser" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingsOnUrl">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngsOnUrl" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingOnUrl">

```

```

    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngOnUrl" style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetRatingOfUserOnUrl">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngOfUserOnUrl" style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="SetRating">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/SetRati
ng" style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="DeleteRating">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/Deleter
ating" style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetRatingAverageOnUrl">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngAverageOnUrl" style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="PropagateRating">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/Propaga
teRating" style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>

```



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        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="CountTagsOfUser">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountTa
gsOfUser" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagTerms">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagT
erms" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagTermsOfUser">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagT
ermsOfUser" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagTermsOnUrl">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagT
ermsOnUrl" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetAllTagTerms">
        <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agTerms" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>

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    <wsdl:operation name="GetAllTagTermsForUrlFolder">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agTermsForUrlFolder" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTags">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTags
" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagsOfUser">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTags
OfUser" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagUrls">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rls" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagUrlsByKeyword">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rlsByKeyword" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagUrlsOfUser">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rlsOfUser" style="document"/>
      <wsdl:input>

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        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetTagUrlsOfUserByKeyword">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rlsOfUserByKeyword" style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetAllTagUrls">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agUrls" style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetAllTagUrlsByKeyword">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agUrlsByKeyword" style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="AddTag">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddTag"
style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="AddTagByKeyword">
    <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddTagB
yKeyword" style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>

```

```

    </wsdl:operation>
    <wsdl:operation name="DeleteTag">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteT
ag" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteTagByKeyword">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteT
agByKeyword" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteTags">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteT
ags" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetSocialDataForIncrementalReplication">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetSoci
alDataForIncrementalReplication" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetSocialDataForFullReplication">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetSoci
alDataForFullReplication" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ReplicateIncrementalSocialData">
      <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/Replica
teIncrementalSocialData" style="document"/>

```

```

    <wsdl:input>
      <soap:body use="literal"/>
    </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ReplicateFullSocialData">
  <soap:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/Replica
teFullSocialData" style="document"/>
  <wsdl:input>
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
</wsdl:binding>
<wsdl:binding name="SocialDataServiceSoap12" type="tns:SocialDataServiceSoap">
  <soap12:binding transport="http://schemas.xmlsoap.org/soap/http"/>
  <wsdl:operation name="CountCommentsOfUser">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCo
mmentsOfUser" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="CountCommentsOnUrl">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCo
mmentsOnUrl" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="CountCommentsOfUserOnUrl">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountCo
mmentsOfUserOnUrl" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="GetCommentsOfUser">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetComm
entsOfUser" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
  </wsdl:operation>

```

```

        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetCommentsOnUrl">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetComm
entsOnUrl" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetCommentsOfUserOnUrl">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetComm
entsOfUserOnUrl" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddComment">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddComm
ent" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="UpdateComment">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/UpdateC
omment" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteComment">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteC
omment" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>

```

```

    <wsdl:operation name="CountRatingsOnUrl">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountRa
tingsOnUrl" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingsOfUser">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngsOfUser" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingsOnUrl">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngsOnUrl" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingOnUrl">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngOnUrl" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRatingOfUserOnUrl">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRati
ngOfUserOnUrl" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SetRating">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/SetRati
ng" style="document"/>
      <wsdl:input>

```

```

        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="DeleteRating">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteRating" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetRatingAverageOnUrl">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetRatingAverageOnUrl" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="PropagateRating">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/PropagateRating" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="CountTagsOfUser">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/CountTagsOfUser" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetTagTerms">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagTerms" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>

```



```

    </wsdl:operation>
    <wsdl:operation name="GetTagTermsOfUser">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagT
ermsOfUser" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagTermsOnUrl">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagT
ermsOnUrl" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetAllTagTerms">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agTerms" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetAllTagTermsForUrlFolder">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agTermsForUrlFolder" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTags">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTags
" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetTagsOfUser">
      <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTags
OfUser" style="document"/>

```

```

    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetTagUrls">
  <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rls" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetTagUrlsByKeyword">
  <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rlsByKeyword" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetTagUrlsOfUser">
  <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rlsOfUser" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetTagUrlsOfUserByKeyword">
  <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetTagU
rlsOfUserByKeyword" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetAllTagUrls">
  <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agUrls" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>

```

```

        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetAllTagUrlsByKeyword">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetAllT
agUrlsByKeyword" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddTag">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddTag"
style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddTagByKeyword">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/AddTagB
yKeyword" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteTag">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteT
ag" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteTagByKeyword">
        <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteT
agByKeyword" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteTags">

```

```

    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/DeleteT
ags" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetSocialDataForIncrementalReplication">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetSoci
alDataForIncrementalReplication" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetSocialDataForFullReplication">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/GetSoci
alDataForFullReplication" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ReplicateIncrementalSocialData">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/Replica
teIncrementalSocialData" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ReplicateFullSocialData">
    <soap12:operation
soapAction="http://microsoft.com/webservices/SharePointPortalServer/SocialDataService/Replica
teFullSocialData" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
</wsdl:binding>
</wsdl:definitions>

```

7 Appendix B: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include released service packs:

- Microsoft® Lync® 2010
- Microsoft® Office 2010 suites
- Microsoft® SharePoint® Designer 2010
- Microsoft® SharePoint® Server 2010
- Microsoft® SharePoint® Workspace 2010
- Microsoft® Visio® 2010
- Microsoft® Lync® 2013
- Microsoft® Office 2013
- Microsoft® SharePoint® Designer 2013
- Microsoft® Visio® 2013

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

8 Change Tracking

This section identifies changes that were made to the [MS-UPSDWS] protocol document between the September 2012 and October 2012 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements or functionality.
- An extensive rewrite, addition, or deletion of major portions of content.
- The removal of a document from the documentation set.
- Changes made for template compliance.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **Editorial** means that the language and formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

Major and minor changes can be described further using the following change types:

- New content added.
- Content updated.
- Content removed.
- New product behavior note added.
- Product behavior note updated.
- Product behavior note removed.
- New protocol syntax added.
- Protocol syntax updated.
- Protocol syntax removed.
- New content added due to protocol revision.
- Content updated due to protocol revision.
- Content removed due to protocol revision.
- New protocol syntax added due to protocol revision.

- Protocol syntax updated due to protocol revision.
- Protocol syntax removed due to protocol revision.
- New content added for template compliance.
- Content updated for template compliance.
- Content removed for template compliance.
- Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated**.

Some important terms used in the change type descriptions are defined as follows:

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.
- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

The changes made to this document are listed in the following table. For more information, please contact protocol@microsoft.com.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
1.3 Overview	Change title from "Protocol Overview (Synopsis)".	N	Content updated for template compliance.
3.1.4.40.3 Complex Types	Added description of complex type "FeedbackData".	N	Content updated.

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