

Forum Service

A Forum service offers a method to create/update a discussion forum for a pre-print, e-print or any other findings, so that other users can make comments on it. This gives the flexibility to create a discussion space by making use a service remotely.

Forum service has a collection of methods to set up a discussion from scratch or update an existing discussion.

CreateDiscussion: it takes a discussion title and a user id (links to user profile database in portal) as input parameters, and creates a new record in the discussion database. A unique id representing this discussion is returned to the service consumer.

EditDiscussion: it takes a discussion id for the one to be edited and a string representing content to be updated. The updated content is returned indicating the completion of editing.

DeleteDiscussion: it takes a discussion id which needs to be removed from database and returns a flag indicating completion.

AddMessage: Adding a particular message into a discussion. It takes a discussion id, two strings representing discussion topic and content, and a user id. It creates a new database record and returns a message id as output.

Here is a segment from the WSDL file indicating the web method interface:

```
<s:element name="CreateDisscussion">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1"
name="discussionTitle" type="s:string" />
      <s:element minOccurs="1" maxOccurs="1" name="userID"
type="s:int" />
    </s:sequence>
  </s:complexType>
</s:element>
<s:element name="CreateDisscussionResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="1" maxOccurs="1"
name="CreateDisscussionResult" type="s:int" />
    </s:sequence>
  </s:complexType>
</s:element>
<s:element name="DeleteDisscussion">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="1" maxOccurs="1" name="discussionID"
type="s:int" />
    </s:sequence>
  </s:complexType>
</s:element>
<s:element name="DeleteDisscussionResponse">
  <s:complexType />
</s:element>
```