

PARTIAL SOLUTION: If you can't manage to implement the friendships table and relationships, add only the user profiles, images and posts. You will receive points for the partial solution!

Problem 6. Import from XML Files (15 points)

Write a **C# program** to **parse two XML files**. Both are already in the skeleton. First parse a file named **"Friendships.xml"** holding a set of friendships' information in the format given below and **insert them into the database**. Keep in mind that usernames are unique so if you encounter a username twice, it is the same entity in the database and it should be reused.

Friendships-Test.xml

```
<?xml version="1.0"?>
<Friendships xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <Friendship Approved="true">
    <FriendsSince>2012-05-30T09:36:07</FriendsSince>
    <FirstUser>
      <Username>Pesho</Username>
      <FirstName>Pesho</FirstName>
      <LastName>Peshov</LastName>
      <RegisteredOn>2010-02-20T09:12:45</RegisteredOn>
      <Images>
        <Image>
          <ImageUrl>http://somesite.com/SexyPicAttempt108</ImageUrl>
          <FileExtension>jpg</FileExtension>
        </Image>
        <Image>
          <ImageUrl>http://somesite.com/WithMyCar</ImageUrl>
          <FileExtension>jpg</FileExtension>
        </Image>
        <Image>
          <ImageUrl>http://somesite.com/SelfieInTheBathroom</ImageUrl>
          <FileExtension>jpg</FileExtension>
        </Image>
      </Images>
    </FirstUser>
    <SecondUser>
      <Username>Gosho</Username>
      <FirstName>Gosho</FirstName>
      <LastName>Goshov</LastName>
      <RegisteredOn>2009-07-20T19:07:12</RegisteredOn>
      <Images>
        <Image>
          <ImageUrl>http://somesite.com/SeaFeetPic</ImageUrl>
          <FileExtension>png</FileExtension>
        </Image>
        <Image>
          <ImageUrl>http://somesite.com/MyFoodShkembe</ImageUrl>
          <FileExtension>png</FileExtension>
        </Image>
      </Images>
    </SecondUser>
    <Messages>
      <Message>
        <Author>Pesho</Author>
        <Content>Sha odim li na hija?</Content>
        <SentOn>2015-10-21T11:03:27</SentOn>
        <SeenOn>2015-10-21T11:03:50</SeenOn>
      </Message>
    </Messages>
  </Friendship>
</Friendships>
```