Project 3

For the final project for this course, you will make a webpage that implements the functionality of the last three labs, as well as a few new features. You will make a “social networking” page that allows the user to do the following:

1) Create a profile, and save it to the server. The profile should consist of all the elements you allowed the user to specify in labs 6, 7, and 8.

2) View the profiles of other users provided that their username is known

3) View a list of all known usernames on the network, then choose to “follow” any of these usernames

4) Write posts/Tweets, and upload them to the server

5) Whenever the user chooses to “follow” another user, the webpage will display the 5 most recent tweets/posts uploaded by the other user

In addition to having the above functionality, the webpage should implement CSS. Although there are no specific criteria for the “look and feel” of the webpage, your webpage should look professional, and have a layout that is intuitive for an unfamiliar user to use.

To implement everything we are asking of you, you will need to learn three new ajax function calls, in addition to the ajax functions you learned in the previous labs.

The first one creates (or "posts") a status on the server for a particular user...

URL: http://rosemary.umw.edu/~stephen/postStatus.php

Input string: The user-name and the uploaded post

<statusPost>
   <username>name</username>
   <status>post</status>
</statusPost>

Returns: nothing
The next one returns up to five posts uploaded by a given user
URL: [http://rosemary.umw.edu/~stephen/getRecentStatuses.php](http://rosemary.umw.edu/~stephen/getRecentStatuses.php)
Input string: `<username>`name`</username>`
Returns: Up to five separate statuses by the specified user in the following format

```xml
<statuses>
  <status>status1</status>
  <status>status2</status>
  ...
  <status>status5</status>
</statuses>
```

The last one returns all of the usernames registered with the server...
URL: [http://rosemary.umw.edu/~stephen/getUsernames.php](http://rosemary.umw.edu/~stephen/getUsernames.php)
Input string: “” (null)
Returns: All of the registered usernames in the following format:

```xml
<usernames>
  <username>name1</username>
  <username>name2</username>
  <username>name3</username>
  ...
</usernames>
```

Notes
- This assignment builds upon your previous labs. You may use them as a starting point, and modify them as needed to fit the requirements of this project.
- Although there are no specific requirements for how the page should look or feel, you might consider looking at other social networking websites for inspiration.

- Look back at lecture 15 if you have forgotten how to extract multiple outputs from an ajax call.

- This is a large project, don’t put it off until the last minute, and feel free to ask questions!
Extra credit: following multiple users -- and remembering that you followed them!

Another Ajax call you can use is:

URL: http://rosemary.umw.edu/~stephen/follow.php

Input string: The user-name and the name of the user that user wants to "follow". For example:

```xml
<follow>
    <username>anakin</username>
    <userToFollow>padme</userToFollow>
</follow>
```

Returns: A message like:

```xml
<success>anakin now following padme.</success>
```

This Ajax call lets you tell the server that a user wants to follow another user. This information is included in the profile that you get back when you call getProfile.php! It will look like this:

```xml
<profile>
    <username>anakin</username>
    <gender>M</gender>
    <color>red</color>
    <birthdate>
        <birthMonth>10</birthMonth>
        <birthDay>11</birthDay>
        <birthYear>1969</birthYear>
    </birthdate>
    <quote>I entered into aggressive negotiations.</quote>
    <hobby>swordplay</hobby>
    <hobby>killing younglings</hobby>
    <followee>obi-wan</followee>
    <followee>padme</followee>
</profile>
```

Note how the two users that Anakin is "following" are included at the end of his profile information. This will allow your page to let users follow other users, record this "following" on the server, and then retrieve that information any time you load the profile (like, when the user returns after refreshing the screen). Then, you could display all the recent statuses from the "followed" users. Try it!