

WEBD 236 Lab 2

If you use an external source (i.e. a web-page, the required textbook, or an additional book) to help you answer the questions, be sure to cite that source. You should probably always be citing a source.

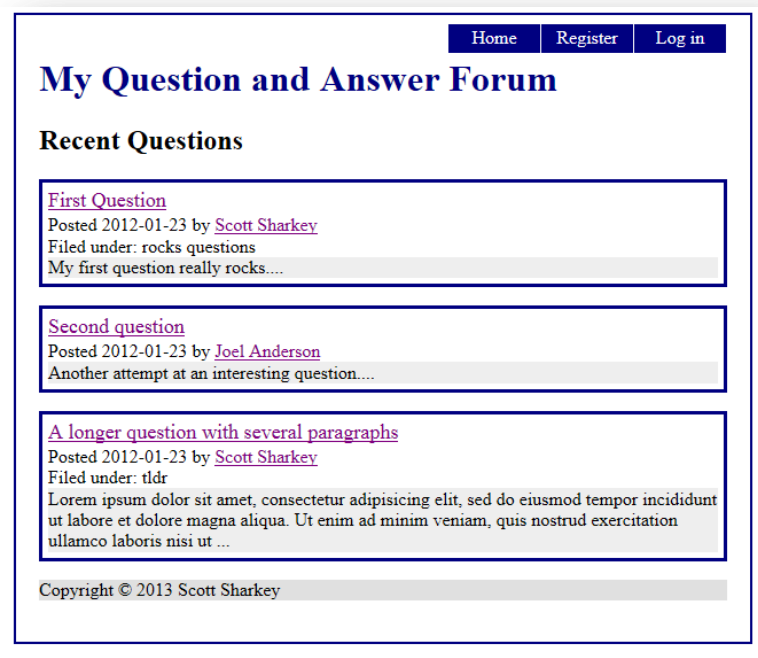
Problem

Having just learned about sessions and simple authentication, we are ready to add these features to our Q&A forum from Lab 1. In this lab, you will allow people to register for an account. Users have the following attributes:

- First name
- Last name
- Email address
- Password (kept in plain text for now)

Furthermore, all questions should now be associated with a registered user. In other words, you will need to add a column to your questions table that is the primary key of the user.

When you visit the forum, you should see something similar to the following:



The screenshot shows a web forum interface. At the top right, there are three buttons: "Home", "Register", and "Log in". The main heading is "My Question and Answer Forum". Below this is a section titled "Recent Questions". There are three question entries, each in a box. The first entry is titled "First Question", posted on 2012-01-23 by "Scott Sharkey" (a hyperlink). It is filed under "rocks questions" and the text is "My first question really rocks...". The second entry is titled "Second question", posted on 2012-01-23 by "Joel Anderson" (a hyperlink). It is filed under "tldr" and the text is "Another attempt at an interesting question...". The third entry is titled "A longer question with several paragraphs", posted on 2012-01-23 by "Scott Sharkey" (a hyperlink). It is filed under "tldr" and the text is "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut ...". At the bottom of the forum, there is a copyright notice: "Copyright © 2013 Scott Sharkey".

Notice that each question now has a user name (as a hyperlink) that is associated with the question. If you click on the user who posted the entry, you will see a profile screen similar to the following:

[Home](#) | [Register](#) | [Log in](#)

View user

First Name: Scott
Last Name: Sharkey
E-mail: sharke@c@franklin.edu
Password: *****

Questions by Scott Sharkey

[A longer question with several paragraphs](#)
Posted 2012-01-23 by [Scott Sharkey](#)
Filed under: tldr
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[First Question](#)
Posted 2012-01-23 by [Scott Sharkey](#)
Filed under: rocks questions
My first question really rocks...

Copyright © 2013 Scott Sharkey

Notice that the user profile screen also lists all questions created by that user. If the user clicks the “Register” link in the upper right hand corner, then they are presented with the following registration page.

[Home](#) | [Register](#) | [Log in](#)

Register

First name

Last name

E-mail address

Password

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Naturally, all fields are required. Aside from ensuring non-empty fields, the email address must be unique for all users – using an existing e-mail address should be flagged as an error (see below).

[Home](#) | [Register](#) | [Log in](#)

Edit user

Please correct the following errors:

- Last name is required
- email address is already in use.

First name

Last name

E-mail address

Password

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Once the fields are all validated, the user is created and immediately logged in and redirected to the home page for the forum (see below). Notice that the forum welcomes them by name, and they now have a link at the bottom to add a question. Also, the “Register” link has become “My Profile” and the “Login” link has become “Log out.”

Welcome, Scott Sharkey | [Home](#) | [My profile](#) | [Log out](#)

My Question and Answer Forum

Recent Questions

[First Question](#)
 Posted 2012-01-23 by [Scott Sharkey](#)
 Filed under: rocks questions
 My first question really rocks....

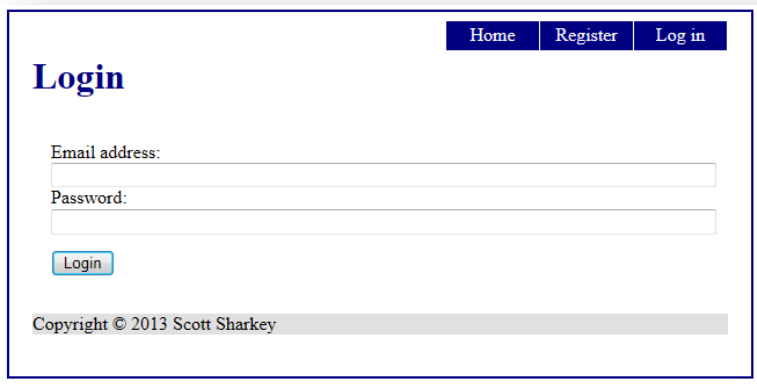
[Second question](#)
 Posted 2012-01-23 by [Joel Anderson](#)
 Another attempt at an interesting question....

[A longer question with several paragraphs](#)
 Posted 2012-01-23 by [Scott Sharkey](#)
 Filed under: tldr
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[Add a question](#)

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A user who logs out, and wishes to log back in again can click on the “Login” link and be directed to a login page as shown below.



Home Register Log in

Login

Email address:

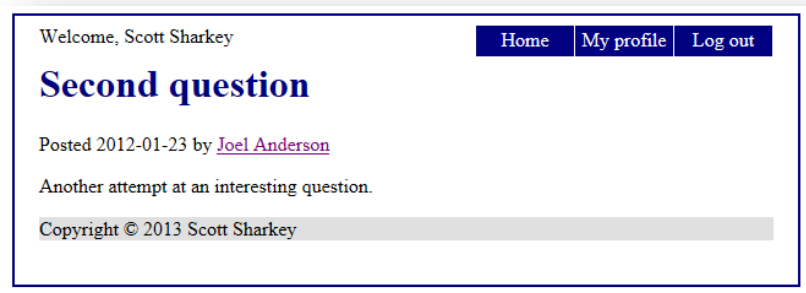
Password:

Login

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After logging in, the user should be directed back to the main forum screen.

When a user views a question that does not belong to them, they can merely view it (see below).



Welcome, Scott Sharkey Home My profile Log out

Second question

Posted 2012-01-23 by [Joel Anderson](#)

Another attempt at an interesting question.

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However, if the user is the owner of the question, then the user can also edit and delete the question (see below).

Welcome, Scott Sharkey [Home](#) [My profile](#) [Log out](#)

First Question

Posted 2012-01-23 by [Scott Sharkey](#)

Filed under: rocks questions

My first question really rocks.

[\[Delete\]](#) [\[Edit\]](#)

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The same is true of the profile information. If the user selects “My Profile” they are taken to the same screen as anyone would be to view another’s profile. However, they have the additional options of editing and deleting their own profile. See below.

Welcome, Scott Sharkey [Home](#) [My profile](#) [Log out](#)

View user

First Name: Scott
 Last Name: Sharkey
 E-mail: sharkesc@franklin.edu
 Password: *****

[\[Delete\]](#) [\[Edit\]](#)

Questions by Scott Sharkey

[A longer question with several paragraphs](#)

Posted 2012-01-23 by [Scott Sharkey](#)

Filed under: tldr

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[First Question](#)

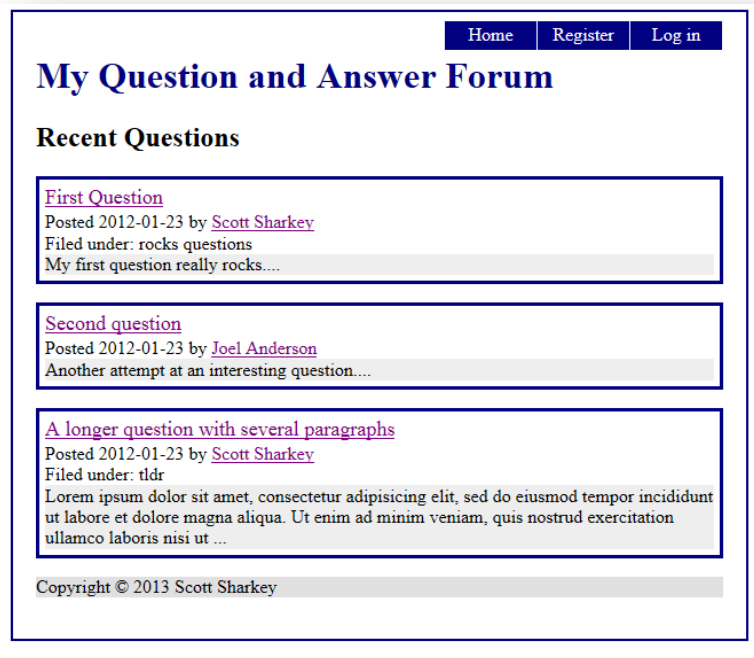
Posted 2012-01-23 by [Scott Sharkey](#)

Filed under: rocks questions

My first question really rocks...

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When a user decides to delete their profile, you must maintain referential integrity in the database. Therefore, you must first programmatically delete all forum posts belonging to that user and then remove the user and log them out. For example, if Reginald Cooper deletes himself, then immediately upon clicking “Delete,” you would see the following main page (without his question).



As with all good software, an effort to URL fish into an area that requires a login should redirect to a login page. Furthermore, if the user is logged in, but tries to URL fish to, say, delete another user, then the program should not permit that action.

Basic Requirements:

- Add a login screen
- Add a user registration screen
- When a user is logged in, the header should welcome the user and have link to the home page, the user profile, and a log out button.
- When no user is logged in, the header should merely have a link to the home page, a link to register, and a link to log in.
- Without logging in, users should be able to view questions and other users' profiles.
- When logged in, users should be able to create, edit, and delete their own questions (but not others' questions), and edit and delete their profile.
- No duplicate email addresses should be permitted.
- All sessions should be over HTTPS.

Helpful Hints

- See the LoginExample file posted on the supplemental web site for how to add basic user login capabilities.
- You should use SQLite (not MySQL) for this project.

- Make sure that your project works on any server on any directory. In other words, you should never hard-code a URL with the name or IP address of your machine. We won't be using your machine when we test it. Also, you should not hard-code a directory name in your application. It should run as <http://localhost/forum/index> or as <http://localhost/myforum/index> or any other directory URL.
- Use the MVC framework developed in class. This will help, since the project is getting bigger.

Submission instructions

Create a ZIP file of your entire project contents as it is found under your C:\XAMPP\htdocs\webd236\forum-<yourname>\ directory. This ZIP file should contain your database, your PHP scripts, style files, etc. Follow proper coding conventions (indentation, commenting, etc.) that you would have learned in previous courses.

Submit the ZIP file to the dropbox for this assignment in the course.