CSC 415/515 PROJECT 2
CONTACTS DATABASE WEB APPLICATION
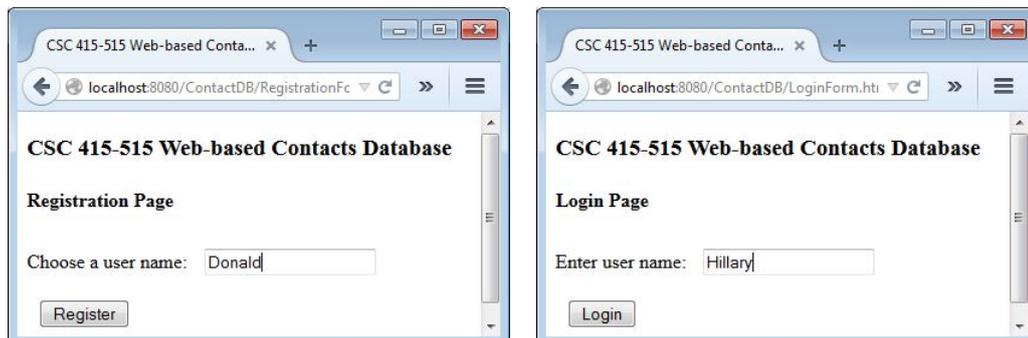
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1. PROJECT REQUIREMENTS

In this project, we are going to create a web application that allows a each person in a community of people to maintain his or her own list of contacts. Information saved for a contact consists of first name, last name, phone number, and birthday information.

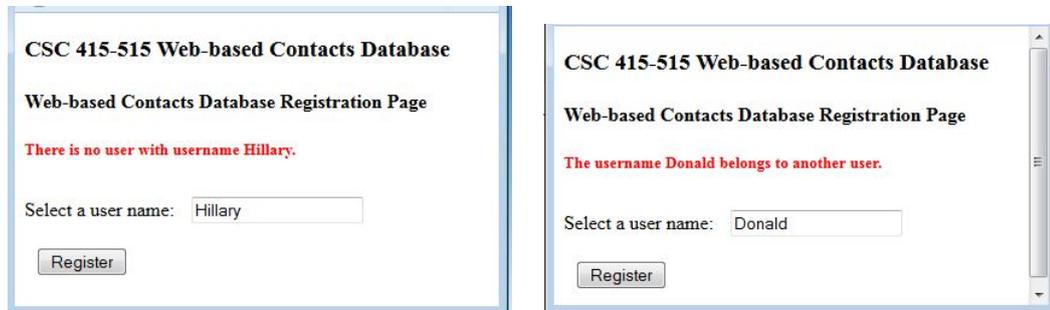The welcome page of the web application will look like this

A user of the application must either register or log in. We will ignore security at this time, so a person registering or loggin in specifies a user name, but no password:

The above screen shots show registration and login screens for two people that are running for high political office, and are anxious to keep use the application to keep track of potential voters.

Login will fail if a person has not previously registered. In this case the application sends the user to registration page that points out that the name has not been registered and invites the user to register the user name.

Similarly, registration will fail if a person attempts to register a name that already belongs to another user, and a registration page with an appropriate error message will be displayed, allowing the user to select a different name.

A successful login or registration will send the user to a page that displays a list of their contacts, with a link to add a new contact. In the screen shot below, no contacts have been entered yet:
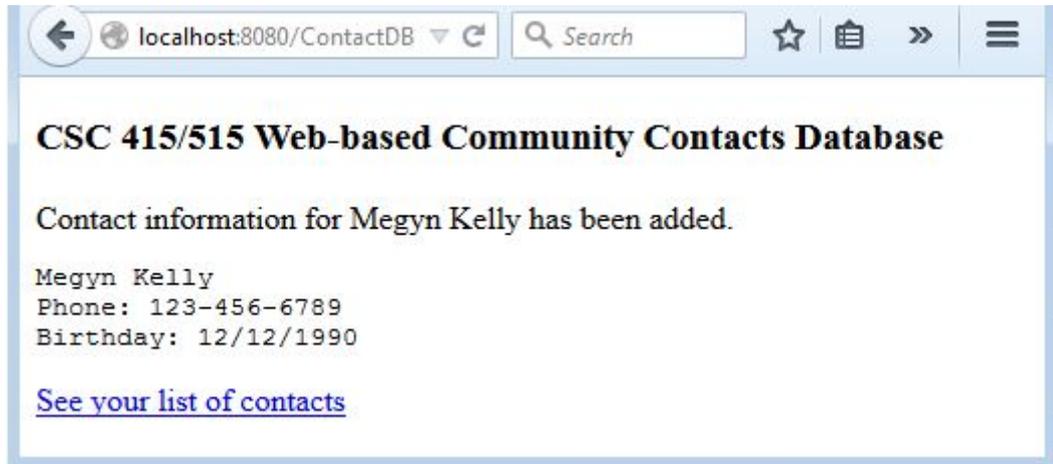

Clicking on the link to add a contact brings up a form to add a new contact

When this form is submitted, the web application returns a confirmation page that displays the contact information just added, and has a link to the full list of the user's contacts:
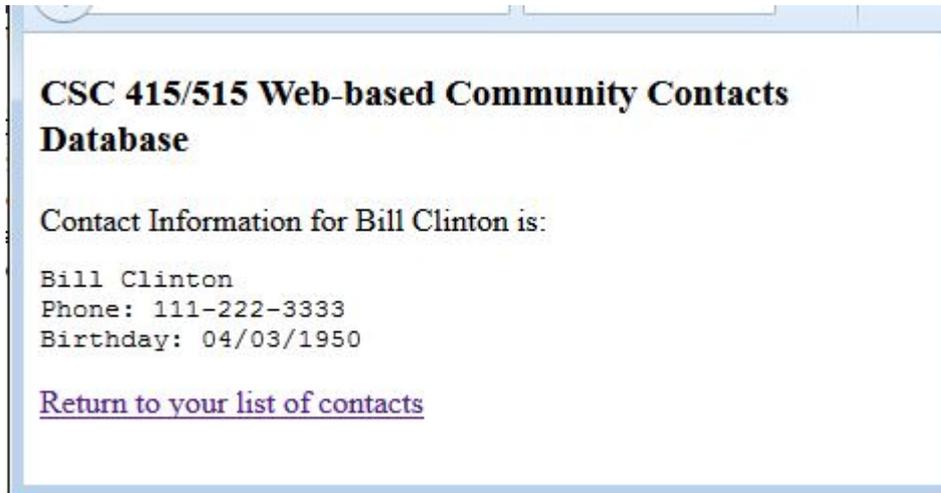
The next screen shot shows the center-piece of this web application: that page that displays the entire list of the user's contacts.
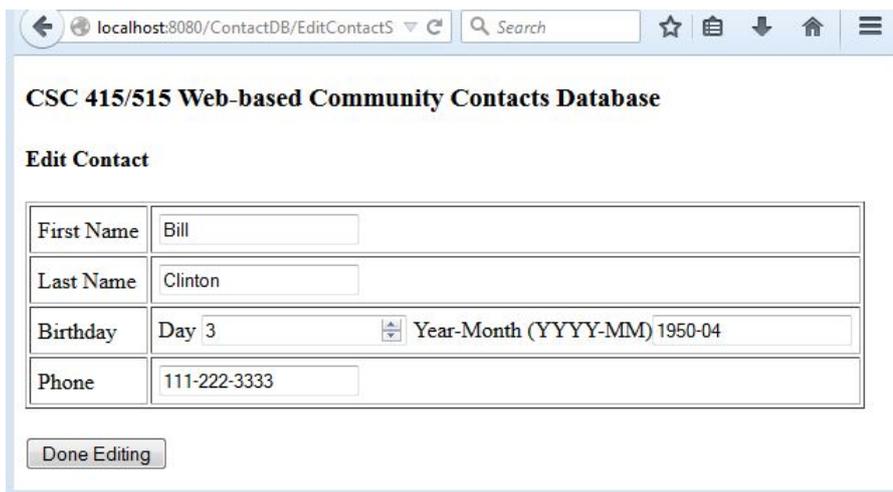

Observe that there is a table that shows, for each contact, the first name and last name, and then there are links that allow the user to see the all details, to edit the details, or to delete the entire contact.

The See Details link just brings up a oage that shows all contact information for a person:

The `Edit` link brings up a form that allows the user to edit the contact details for a person.

Finally, the `Delete` link deletes the contact from the list.

2. Due Date

This project is due Wednesday of Week 6.

3. Additional Notes and Requirements

To keep the scope of the project limited, we have not implemented everything a web application would require. For now, we have left out both data validation and security.

The project requires registration and login, but does not implement security. Security would require use of a password, which the project does not require users to enter.

The project does not persist the data to a relational database, or to the local file system. This means that when the web application shuts down, it will lose all state.

Registration and logins do not survive if the web application is shut down and then redeployed.

Once a user is registered or logged in, he or she stays logged in until their user session expires.

Hints and suggested design approaches will be given in lecture.