CSCI N431 Lab 5 User Profile Management

Overview

Finish the user registration and login process created in the previous labs and implement the changing password process.

Requirements

1) Finish the registration process: (20')
   When the registration process is finished, data should be sent to the database, along with a randomly generated activation code (you decide the length and format of the code). The common practice is to use a column in a database table, and set the value to be 'yes' or 'no'. When the user finished registration, the column value should be "no".

2) Finish the login process: (15)
   If the user enters wrong username or password, display an error message.

   If login is successful, mark the user as activated (set the activate column value to be "yes"), redirect to a landing page that will greet the user with the user's full name.

3) Implement the "Change Password" feature. (30)
   a. The landing page will have a "Change Password" link that will allow the user to change password on the web page.
   b. Password must meet a certain format. You decide the format requirement and make it visible next to the Password box.
   c. The reset password form will ask user to enter the current username, current password, new password and confirm new password.
   d. All input validations must be enforced.
   e. Upon successful submission, new password will be entered in the database and user will be logged out and redirected to the login page.

4) Must have table(s) in the database to support the form activities. E.g. you can create a CUSTOMER table that maps to your web form to store submitted data. If your registration page is the same as one of the registration pages required on the course project, you can use course project database tables. (10')

5) The main account page (landing page) must be protected. Unauthorized access to this page should be directed to the login page. Different mechanism can be used to achieve this, a common one is to test if a session variable exists (5')

6) Provide a logout link to clear the session. (5')

7) The registration link must be visible on all web pages. Login and Logout links cannot appear at the same time, and their appearance is determined by the login status. (5')

Submission

1) Name your package lab 5. (5')
2) Zip up your package and submit the zipped file to Canvas. (5')