CISC 201

Application Shell requirements

Your application shell program is designated to be a starting point for many applications, the functionality mirrors that of which you get from a basic start page from ASP.NET.

Your application shell should contain the following functionality:

* Home Menu Item
  + To be displayed when the user first hits the site
  + To be displayed one the user logged in
  + To be displayed one the user logs off
  + Display first impression content for your users
  + This page could have specific content related to when someone is logged in vs not logged in
* Contact Menu Item
  + Displays the contact page
* About Menu Item
  + Displays the about page
* Sign Up Menu Item (to be displayed when a user is NOT logged in only)
  + Provides the user the ability to sign up for an account
  + Displays the sign up form and capture the following:
    - Username (unique value in the database)
    - First name
    - Last name
    - Email address (unique value in the database)
    - Password
    - Confirm password
  + Validates user data
  + Store the user data in the users table in the database
    - Ensures there is not a user by this username already
  + Once a user successfully registers, the user should be then logged in
  + When logged in, the menus change from **signup** and **login** to **manage** **account** and **logout,** the **username** appears in the navigation bar.
* Login Menu Item (to be displayed when a user is NOT logged in only)
  + Accepts username or email, password and a remember me checkbox
  + Authenticates the username or email and password against the database
  + On successful login, the menus change from **signup** and **login** to **manage** **account** and **logout,** the **username** appears in the navigation bar.
* Manage Account (to be displayed when a user is logged in only)
  + Upon accessing this screen, the data is retrieved from the database and populated to the form elements – no password data returned from the database.
  + If the user changes the username, must ensure the new username does not exists already
  + The form must validate similar to the signup screen
  + Have a link to enable changing passwords – this should be an independent display (pop up) only supporting change password functionality
    - Validate current password
    - Accept new password / confirm password
* Logout (to be displayed when a user is logged in only)
  + Simply logs the user off
  + Menus are displayed that are required when the user is logged off
  + Re-display main page / home menu
* Remember Me
  + When the user selects ‘remember me’, the system should generate a token and store that as a cookie, that token should also be stored in the database with the username.
  + When the site loads, the system needs to determine if the computer has been to this site before and the remember me check box was checked. Thus the existence of a cookie with a token. Using the cookie, retrieve the token and send it to the database for validation. Use the username stored with the token to login
  + When saving the rememberme token. All tokens older than 7 days needs to be deleted.
* ~~Forgot password~~
  + ~~Send the user an email with the email address on file with link to enter a new password.~~
  + ~~The link should display a page with a form for the user to enter a new password and confirm it~~
  + ~~User clicks forgot pw~~
    - ~~Ensure username or email is provided~~
    - ~~Request php pw reset email~~
    - ~~Safety feature – wipe out the current password for the current user~~
    - ~~Pw reset php -~~