

LAB 231 Assignment

Type:
Code:
Point:
Slot(s):

Long Assignment
J3.L.P0017
450
NA

Title: User Management

Background

User management is the core function of any web application.

Program Specifications

In this assignment, you are requested to develop a simple user management system.

You must use Filter as Controller and follow MVC2 model.

Features:

This system contains the following functions:

- **Function 1: Login- 50 Points**
 - In order to access the page user list, an authentication is required.
 - If the user has not authenticated, the system redirects to the login page.
 - The actor enters userID and password
 - The function checks if the userID with the password is in the available user list, then grant the access permission.
 - Otherwise, a message would appear no notify that user is not found.
 - Login function includes logout and welcome functions.
- **Function 2: User Search- 50 Points**
 - This function will list all available users with their photo in the system.
 - There are N+1 tab, with N is a number of user group
 - EX: we have 2 user groups: Admin and Sub then we have three tabs: All, Admin, Sub.
 - Non-Admin user only see himself.
 - User input the text that they want to find and click the Search button or the Enter key. A list user which contain the search keyword (search by Name).
- **Function 3: Delete- 50 points**
 - This function aims to remove the selected user on list result.
 - System will be updated list result after delete.
 - Remember that delete action is update the status to Inactive.
 - Login is required.
- **Function 4: Update- 50 points**
 - Update information of the selected user with required information such as username, password, email, phone, photo, role
 - Login is required.
- **Function 5: Insert- 50 points**
 - This function is used to create new user in system.
 - Only Admin role has permission to create a new user.
 - The default status of new user is active.

- Password must be encrypted using SHA-256 before store in database.

- **Function 6: Assign user to promotion list- 150 points**

- Only Admin role has permission to use this function.
- This function is allowed to add user to promotion list with default rank is 5.0. Rank has value from 1 to 10.
- Each user can only one time to add to the promotion list.
 - The warning message will show if user has already in the promotion list.
- Admin role user can view the promotion list.
- Admin role user can remove the user from the promotion list.
- Admin role user can update the rank of each user in the promotion list.
- Click the Confirm button to store promotion list to database.

- **Function 7: Promotion history- 50 points(extra)**

- User can take over the promotion history by allowing to show list of promotion order by assignment date.

* The above specifications are only basic information; you must build the application according to real requirements.

* You have to build your own database.

* The lecturer will explain the requirement only once on the first slot of this assignment.