

LabVIEW Course Exam

Build User Access Management System that Consists of 5 Pages :Login ,Main ,Add User , Delete User ,Query User ,Edit User.

General Requirement:

- Use one of the following techniques to record user credentials : CSV or INI File or MYSQL Database.
- Password Should be saved Encrypted [Build Simple Encryption and Decryption Mechanism or Use MD5 or any standard Encryption Technique]
- Each User Have the following data [Username,Password,Title,Email,User Level,Birthdate]
- Users cannot register a username already found.
- Build EXE with an industrial GUI [Hide LabVIEW Menu or scrollbar] .

Detailed Requirement :

- Login Page
 1. When Press Login Verify that Username and password are found in the system .
 2. If the username found then the system should go to Main Page and based on user level [If user is show the full menu , if user is a normal user show only Add user or Query User].
 3. If a user press logout from the main page you should reset the username and password controls.
 4. you should reset the username and password controls at the start of the application.
 5. Exit will close the application
- Main Page
 1. Logout Button will return the user to login page
 2. Admin only can delete or edit user
 3. When any button pressed System should show the required page and reset all its contents.

4. Exit will close the application

- Add User Page

1. Reset userdata Cluster when you enter to this page
2. When press confirm [-Verify username is not found before in system -verify that user complete all the forms -verify that user is more that 18 Years Old]
3. If any Error from Point 2 Happened the system should inform the user with pop message
4. If No Error Found the system should add the user to the csv or ini file
5. Last add User Should appear in all dropdown menu in the system which is found in Delete,Query,Edit Pages.

- Delete User Page

1. Reset userdata Cluster when you enter this page.
2. All users found on csv,ini file should be listed in the select user dropdown menu.
3. When a user is selected from the dropdown menu all related userinfo should be displayed in the userdata cluster.
4. When press confirm use two button dialog in labview to warn user about delete process
5. Home button will return the user to main menu

- Query User

1. Reset userdata Cluster when you enter this page.
2. All users found on csv,ini file should be listed in the select user dropdown menu.
3. When a user is selected from the dropdown menu all related userinfo should be displayed in the userdata cluster.
4. Home button will return the user to the main menu.

- Edit User
 1. Reset userdata Cluster when you enter this page.
 2. All users found on csv,ini file should be listed in the select user dropdown menu.
 3. When a user is selected from the dropdown menu all related userinfo should be displayed in the userdata cluster.
 4. Home button will return the user to the main menu.