

Enterprise Application Development

Homework 02

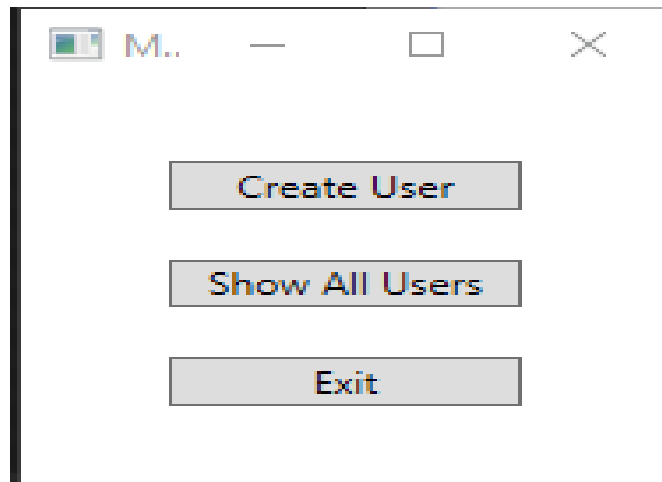
Instructions:

- Work on this Homework individually.
- Expected time to give to Each Question has been mentioned alongside the Question.
- **Anyone caught being indulged in the act of plagiarism would be awarded F grade in this Subject**

Task 1:

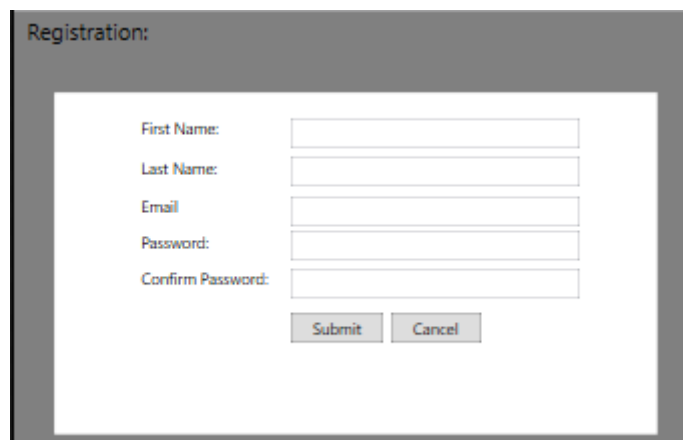
1-2 hours

You are required to create a simple admin panel. Starting form with three options is shown below:



A screenshot of a simple graphical user interface window. The window has a title bar with a small icon and the text 'M.'. Inside the window, there are three rectangular buttons stacked vertically in the center. The top button is labeled 'Create User', the middle button is labeled 'Show All Users', and the bottom button is labeled 'Exit'.

When admin clicks on Create User, a form will be open as shown below:



A screenshot of a registration form window. The window has a dark gray title bar with the text 'Registration:'. The main area is white and contains five text input fields arranged vertically. The labels for these fields are 'First Name:', 'Last Name:', 'Email', 'Password:', and 'Confirm Password:'. Below the input fields, there are two buttons: 'Submit' and 'Cancel'.

When admin clicks on Show all users a grid should be shown with dummy users data (user first name, user last name, email). When admin clicks on exit, application should be closed. For this task, keep in mind the following points:

- Proper validations should be applied and error should be shown to user if any.
- Proper controls should be used.
- Proper Layouts should be used keeping in mind the advantage and disadvantage of that layout.
- For Grid, you can use hard coded data or arrays or can save data of form in database and use it.
- Exception handling if any should be done.
- You can change the design of form or starting page, above pictures are added only for reference.

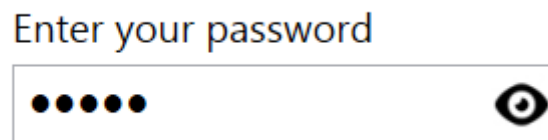
Task 2:

1 hour

You are required to make a Login form with username and password field. For now you can hard code that if user enters “admin” in both the fields then it should only pop up signed in. Else it should show Wrong Credentials.

One extra thing that you need to implement is the show password eye that is shown below.

If user clicks on the eye the password will become visible for that moment and when user leaves this button then the password goes back to normal. (Just like windows 10 user login Feature)



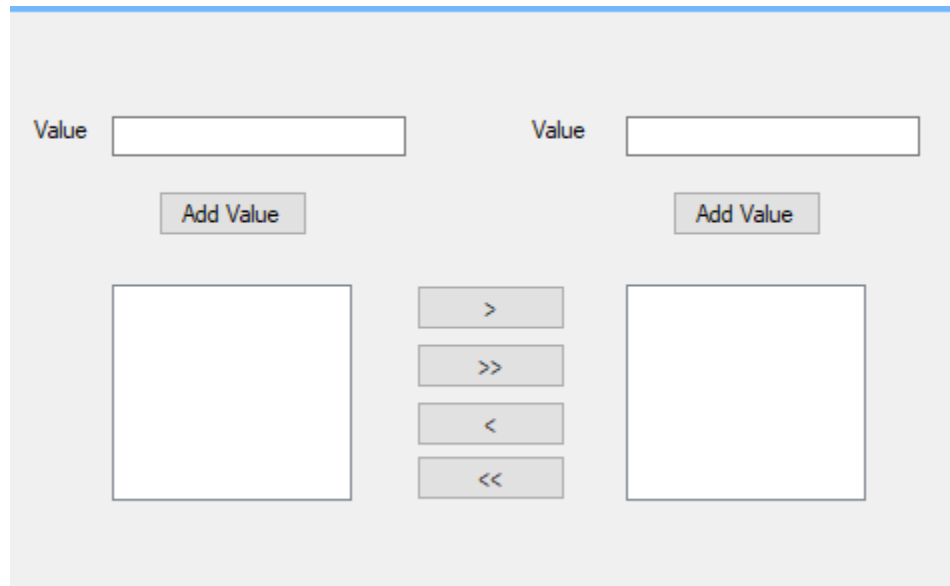
For this task, keep in mind the following points:

- Proper validations should be applied and error should be shown if any.
- Proper controls should be used.

Task 3:

1 hour

You are to make a form with the following controls as shown below:



As shown it has two list boxes with their respective text fields and add value buttons.

When you enter value in left textbox and hit add value it should be entered in left list box and same for the right screen controls.

Afterwards if you select a value from left list box and hit ">" button, then value should be removed from left list box and added to right one and vice versa for "<" button.

If you click ">>" button, all values from left list box should move to right one and vice versa for "<<" button.

- Proper validations should be applied.
- Proper controls should be used.
- Proper Layouts should be used keeping in mind the advantage and disadvantage of that layout.
- Exception handling if any should be done.