

Module 9 Lab Assignment.

In this lab assignment, you will work on a User Registration application. You will be provided with the project file in which **the complete user interface** is already created (with no code written). Please download the zip file attached to the assignment in OdtüClass.

The application is composed of three parts. The first part (on left-most) allows users add a new user. The second part (placed in the middle) displays the users created in a listbox and provides three types of operations for the user selected: Edit (which is optional), Delete, and Details. The last part (placed on the right-most) allows filtering the users, which is also optional. You can choose or not to choose to implement the optional functionality.

In the following figure, some user info is entered and then Add User button is clicked.

The screenshot shows a window titled 'Form1' with three main sections:

- Register User:** A form with four input fields: Name (Erkan), Surname (Er), Birth Year (1984), and Birth Place (Zara). Below the fields is a blue 'Add User' button.
- Registered users:** An empty listbox. Below it are three buttons: 'Edit *', 'Delete', and 'Details'. A label below the buttons reads 'User details are displayed here.'
- Search/filter *:** Three input fields for filtering: 'Filter by name: *', 'Filter by surname: *', and 'Filter by birth year: *'. A red label '[* OPTIONAL]' is at the bottom right.

The newly added users should be immediately displayed in the listbox. The first user should have an Id of 0. For the subsequent users the Id should increment by 1.

The screenshot shows the same window 'Form1' after a second user has been added:

- Register User:** The form fields now contain Name (Onur), Surname (Senol), Birth Year (1983), and Birth Place (Erzurum). The 'Add User' button is highlighted.
- Registered users:** The listbox now contains one entry, 'Erkan', which is highlighted in blue.
- Search/filter *:** The filtering section remains empty.

When a user is selected, clicking on the Details button should display the details about the user in a label at the bottom as shown in the following figure.

Form1

Register User

Name :

Surname :

Birth Year :

Birth Place :

Add User

Registered users :

Erkan
Onur

Edit * Delete Details

Onur Senol was born in Erzurumin 1983

Register User

Filter by name : *

Filter by surname : *

Filter by birth year : *

[* OPTIONAL]

Delete button should delete the selected user. In the following screen, Onur record was deleted.

Form1

Register User

Name :

Surname :

Birth Year :

Birth Place :

Add User

Registered users :

Erkan

Edit * Delete Details

Erkan Er was born in Zarain 1984

Register User

Filter by name : *

Filter by surname : *

Filter by birth year : *

[* OPTIONAL]

The rest of the explanations are for the optional functionalities.

Clicking on Edit button should display the selected user in the form on the left-hand side. The title of the group box and the button text should be updated as shown below.

The screenshot shows a Windows application window titled "Form1". It contains three main sections:

- Edit User:** A form with four input fields: "Name" (containing "Serkan"), "Surname" (containing "Er"), "Birth Year" (containing "1984"), and "Birth Place" (containing "Zara"). Below these fields is an "Apply Changes" button.
- Registered users:** A list box containing the name "Erkan". Below the list box are three buttons: "Edit *", "Delete", and "Details". Below the buttons is the text "Erkan Er was born in Zarain 1984".
- Register User:** A form with three filter input fields: "Filter by name : *", "Filter by surname : *", and "Filter by birth year : *".

At the bottom right of the window, there is a red text label "[* OPTIONAL]".

After clicking on Apply changes, the updates on the user information should be reflected in the list box, and the form field should be reset.

The screenshot shows the same Windows application window "Form1" after the "Apply Changes" button was clicked. The state is as follows:

- Edit User:** The form is now empty, with all input fields (Name, Surname, Birth Year, Birth Place) and the "Apply Changes" button (now labeled "Add User") reset.
- Registered users:** The list box now contains "Serkan". The buttons "Edit *", "Delete", and "Details" remain. The text below the list box is "Erkan Er was born in Zarain 1984".
- Register User:** The filter input fields remain empty.

At the bottom right of the window, there is a red text label "[* OPTIONAL]".

Filtering options should work as text is entered in those textbox fields. The following screens shows an example of filtering the users by name. When the filtering text is removed, all users should be displayed again.

The screenshot shows a web application window titled "Form1". It contains three main sections: "Edit User", "Registered users", and "Register User".

- Edit User:** Contains four text input fields labeled "Name:", "Surname:", "Birth Year:", and "Birth Place:". Below these fields is an "Add User" button.
- Registered users:** A list box containing two entries: "Serkan" (highlighted in blue) and "Ilkem". Below the list are three buttons: "Edit *", "Delete", and "Details". Below the buttons, the text "Erkan Er was born in Zarain 1984" is displayed.
- Register User:** Contains three text input fields for filtering: "Filter by name : *", "Filter by surname : *", and "Filter by birth year : *".

At the bottom right of the form, there is a red text label: "[* OPTIONAL]".

This screenshot shows the same "Form1" window as above, but with the "Filter by name : *" field containing the letter "S".

- Registered users:** The list box now only contains the entry "Serkan", which is highlighted in blue. The text "User details are displayed here." is shown below the list box.
- Register User:** The "Filter by name : *" field contains the letter "S".

The "Edit User" section and the "Add User" button remain unchanged. The red text label "[* OPTIONAL]" is still present at the bottom right.