

SWE312: Software Construction & User Interfaces

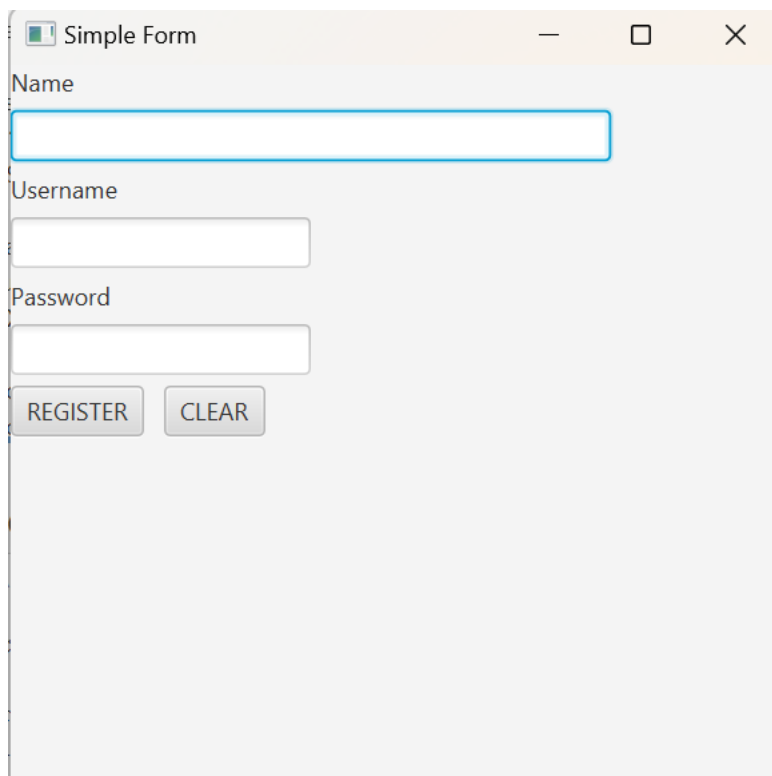
Lab 2

JavaFX UI Controls

- Due date: **Wednesday 2nd** , of **October 2024**.
 - Work INDIVIDUALLY. No group work is accepted.
 - Stick to deadlines! Late assignments will not be accepted.
 - Submit your solution to the LMS system, do not send it by email.
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Ex1: Create a JavaFX program that presents a graphical user interface (GUI) with a form containing fields for a username and a password. The program should allow users to input their credentials, and if they enter the correct credentials (username = "YU" and password = "1234") and click a "Register" button, the GUI should display "Access Granted." If the credentials are incorrect, it should display "Access Denied." Additionally, the program should include a "Clear" button that erases all data entered in the form when pressed.

Sample Run:



The screenshot shows a JavaFX window titled "Simple Form" with standard window controls (minimize, maximize, close). The window contains a form with the following elements:

- A label "Name" followed by a text input field.
- A label "Username" followed by a text input field.
- A label "Password" followed by a text input field.
- Two buttons at the bottom: "REGISTER" and "CLEAR".

Simple Form

Name

Majdi Rawashdeh

Username

YU

Password

••••

REGISTER CLEAR

Access Granted

Simple Form

Name

Majdi Rawashdeh

Username

y

Password

••••

REGISTER CLEAR

Access Denied

Ex2: Create a JavaFX program that presents a graphical user interface (GUI) with a form containing the flight Information. The program should allow users to input their travel information, and click a "BOOK" button, the GUI should display a confirmation message to the user. Additionally, the program should include a "CLEAR" button that erases all data entered in the form when pressed.

Sample Run:


Flight Reservation

— □ ×

FLIGHT RESERVATION

Passenger Information


Date of Birth



From

To

Date



Email

BOOK

CLEAR

FLIGHT RESERVATION

Passenger Information

Majdi Rawashdeh

Date of Birth

10/19/2023

From

Jeddah

To

Riyadh

Date

10/25/2023

Email

majdi@yu.edu.sa

BOOK

CLEAR

Dear Majdi Rawashdeh

Your booking From Jeddah To Riyadh is confirmed on 2023-10-25