

CST 243-3 Rapid Application Development

Lesson 02: Graphical User Interface Development

Activity 02: Developing a Data-Driven Application

Pre-requirements: Students should have a clear understating of how to design a GUI in NetBeans IDE.

Description:

- Design the following interface using Java Swing controls (*You can download the relevant images from the Resources folder available on the VLE course page.*).

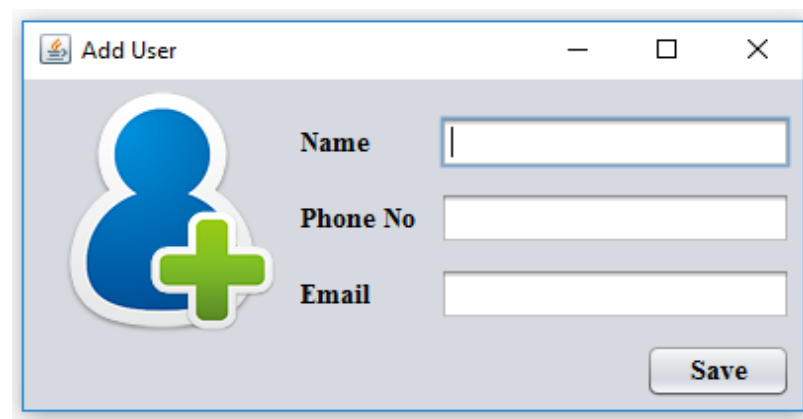


Figure 1: Add User interface

- Now, once the user clicks on the “Save” button, get these values to the application code.
- Next, before saving these values, show values to the user using a `showConfirmDialog` box to verify whether the values are correct as shown in Figure 2.

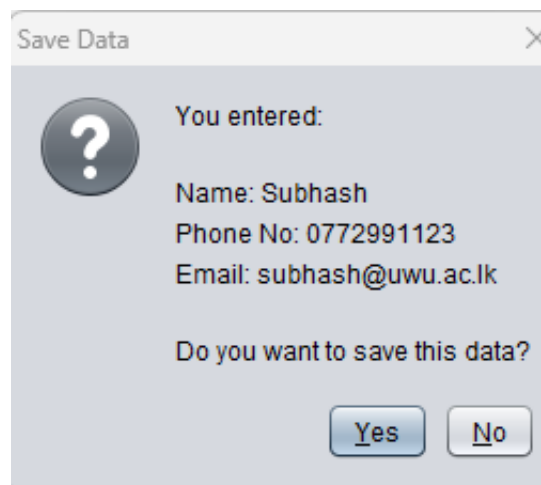


Figure 2: Confirmation dialogue box

- Now, once the user clicks on the “Yes” button, the user-entered data should be saved to a table named “user” in a database called “Activity_02”.
- The table can be created by executing the following SQL query.

```
CREATE TABLE user (  
    id int(11) NOT NULL AUTO_INCREMENT,  
    name varchar(50) NOT NULL,  
    phone_no varchar(15) NOT NULL,  
    email varchar(100) NOT NULL,  
    PRIMARY KEY (id)  
);
```

- Once the data has been successfully saved to the database, the following message will be displayed to notify the user.

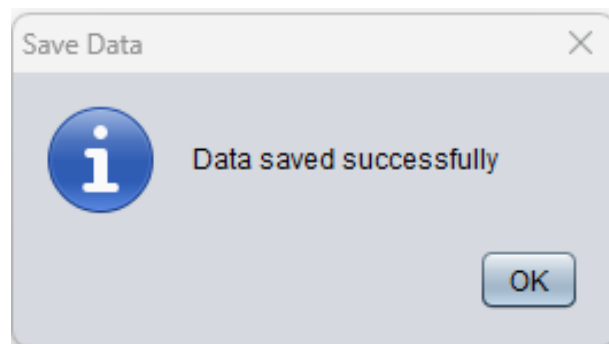


Figure 3: Message box window