

Tutorial – Week 06

Application Development with JavaFX

Question 1

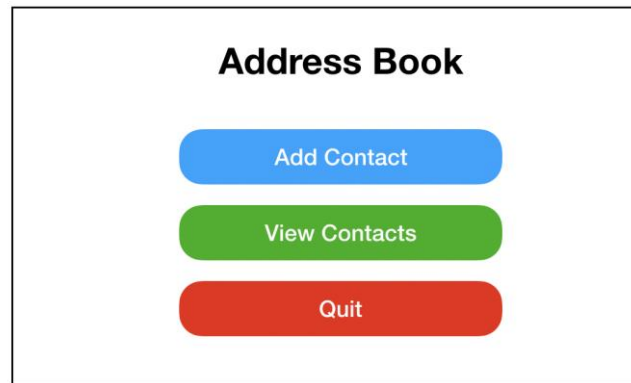
1. Create a JavaFX view according to the following Layout with the window title set as “First Window”.



2. Create 2 additional FXML files. A file for New Window named as `newView.fxml` and for Settings as `settings.fxml`.
3. `newView.fxml` should contain a Label with the content “New Window” and a Button named “Back”.
4. When the New Window button is clicked, following should occur.
 - a. A new window should be opened with the content of the `newView.fxml` file.
 - b. The title of the new window should be “New Window”.
 - c. Previous window should be closed.
5. The back button of the New Window when clicked, should close the New Window and reopen the previous window.
6. Clicking on the Settings button should open a new window with the title “Settings” while keeping the first window alongside it.
7. Clicking on the Close Button should close the window.

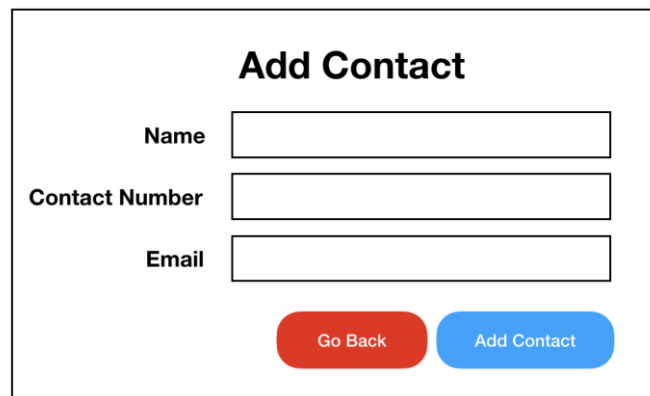
Question 2

1. Create a JavaFX view according to the layout below. The windows title should be "Address Book"



The diagram shows a window titled "Address Book". Inside the window, there are three buttons stacked vertically in the center. The top button is blue and labeled "Add Contact". The middle button is green and labeled "View Contacts". The bottom button is red and labeled "Quit".

2. When the "Add Contact" button is clicked, a new window should open and the first window should be closed. When the "Quit" button is clicked, the program should close.
3. The new window should be similar to the following layout. The title should be "Add Contact"



The diagram shows a window titled "Add Contact". Inside the window, there are three text input fields stacked vertically. The first field is labeled "Name", the second is labeled "Contact Number", and the third is labeled "Email". Below the input fields, there are two buttons: a red button labeled "Go Back" and a blue button labeled "Add Contact".

4. When the "Back" button is clicked, the new window should be closed and the first window should be shown.
5. When the "Add Contact" button is clicked, an information alert saying "Contact added successfully!" should be shown and the new window should be closed and the first window should be shown.
6. When the "View Contacts" button is clicked, a new window similar to the following layout should be opened without closing the first window.

Contacts

Name	Number	Email

Close

7. When the “Close” button is clicked, the Contacts window should close. For the table, you can use the “TableView” controller in JavaFX. Please note that you do not have to populate the table. Showing an empty table is sufficient for this exercise.