

In Class 03 (100 Points)

In this assignment you will get familiar with intents and how to pass data between multiple activities. You are required to develop an “User registration form” application that enables a new user to enter and edit their information.

Part 1 (30 Points): Main Activity

This is the main launching activity where the user enters their information. The requirements are as follows:

1. The form should enable the user to enter their name, email, address, phone number and mood.
2. Create a **User** class consisting of attributes name, email, address, phone number and mood. The User class should implement the Serializable interface.
3. Upon clicking the submit button, the information should be retrieved from the form and populated in a User object. If there are any missing entries, the user should be alerted by displaying a Toast message. If all the entered information is complete, create an **explicit intent**, start the Display Activity and pass it the **User object** as part of the **extras**.

Part 2 (40 Points): Display Activity

This activity displays the user information entered in the Main Activity and allows the user to select which information item to edit. The requirements are as follows:

1. This activity is started by the Main Activity. When the Display Activity is created it should retrieve the User object sent from the Main Activity in the intent's extras.
2. Display the user information as shown in Figure 1. Note that beside each displayed item there is an edit icon (ImageView). Clicking the edit icon beside an information item should start the Edit Activity. You are provided with the edit icon image. Perform the following requirements:
 - a. The Edit Activity should be started using an **implicit intent**. Send all the required information to the Edit Activity using **extras**.
 - b. The Edit Activity should be **started for result**, as it is expected to send back the edited information to the Display Activity. Upon receiving a result from the Edit Activity, the Display Activity should update the displayed user information to reflect the edited information.

Part 3 (30 Points): Edit Activity

This activity enables the user to edit the information item selected in the Display Activity and should send back the updated information to the Display Activity. The requirements are as follows:

1. This activity is started by the Display Activity. When the Edit Activity is created, it should retrieve the information sent from the Display Activity and display the required interface based on the sent information.
2. The Edit Activity should display the received information in an EditText.
 - a. Upon clicking the “Save” button the edited information is sent back as a result to the Display Activity and finish the Edit Activity.
 - b. The Display activity updates the displayed information to reflect the change.

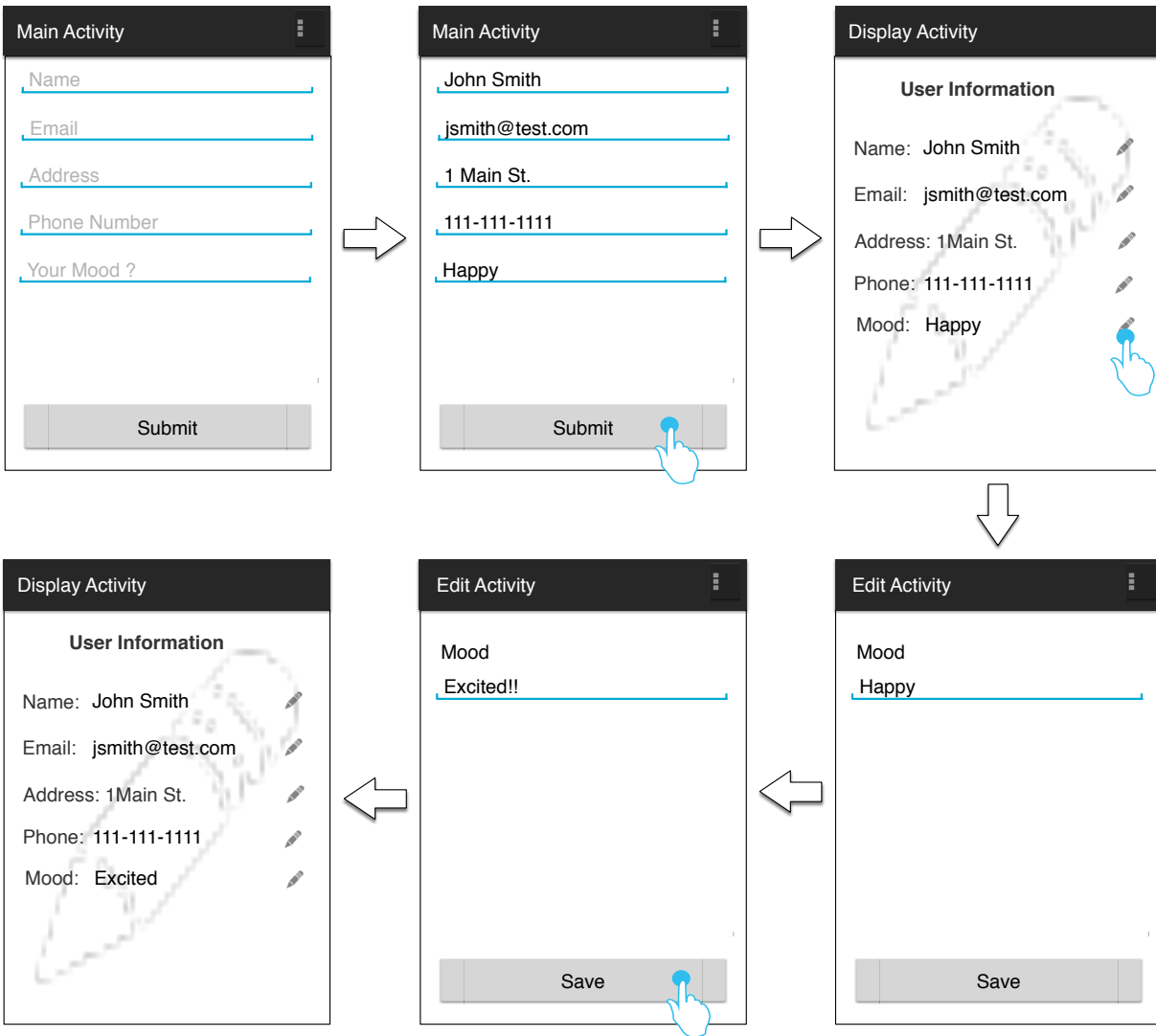


Figure 1, Application Flow