

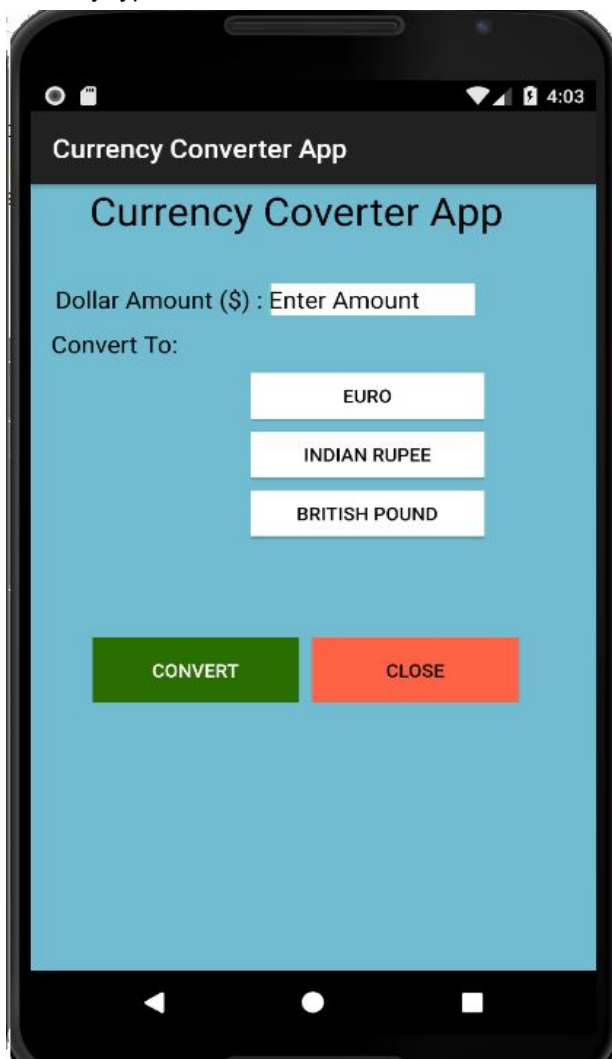
## Assignment 4 - Currency Converter(Broadcast Receiver)

### Broadcast Receivers:

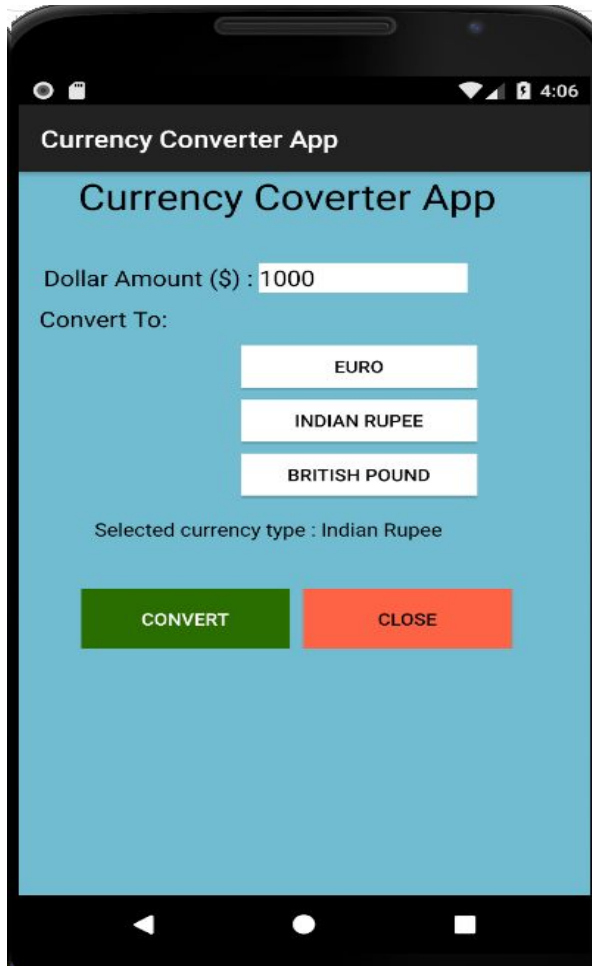
Broadcast receiver is an Android component which allows you to send or receive Android system or application events. All the registered application are notified by the Android runtime once event happens. It works similar to the publish-subscribe design pattern and used for asynchronous inter-process communication.

### Implementation of Currency converter App with broadcast receivers:

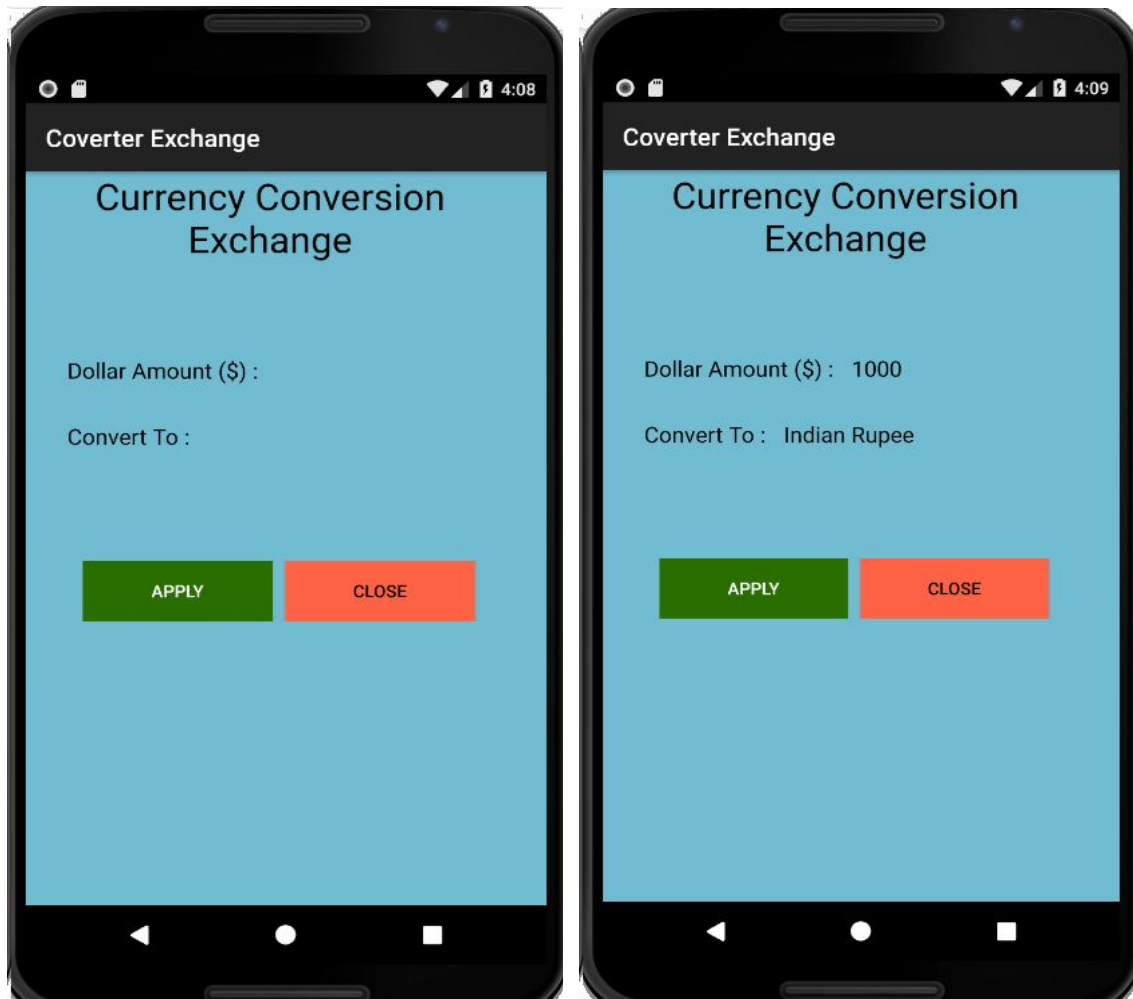
1. Created a currency converter app to fetch the user input including the dollar amount and the currency type to which it should be converted.



2. User can provide the input as shown below. On selection of the currency type that will be displayed on screen as shown.



- On click of the convert button message will be broadcasted to the “Currency conversion exchange” app. Below shows the currency conversion app initial and after receiving broadcast message views.



Exchange App receives the broadcasted message and performs the appropriate conversion. On Apply button click, exchange app sends back the converted amount to the currency converter App as broadcast message.

4. Currency converter app receives the broadcasted message and the result is displayed on the screen.

