Mobile Computing Android
Assignment #8
Points: 80

Goal: Build a simple app that persists data in shared preferences and in a SQLite database. It will help an order taker record an order of cookies.

Requirements:
1) You will have a main Activity. It will have two EditTexts and two buttons.
   a. It will two static variables – the price of a cookie box, an integer that you need to use for the background color.
   b. It will have a numeric EditText for entering the price of cookie box.
   c. It will have a numeric EditText for entering the color.
   d. On create it will use shared preferences to put text into the two Text Edits and set the background color for the activity.
   e. It will have an update button that when pressed, will get the values from the EditTexts and update the shared preferences. Change the background color.
   f. It will have a button that will start the Order Activity.
2) You will have an order Activity. It will have three EditTexts and three buttons. An order will have an auto-generated id with a person, cookie type, number of boxes, and price.
   a. The first EditText is where the user will enter the name of the person ordering the cookies.
   b. The second EditText is where the user will enter the kind of cookie to order.
   c. The third EditText is where the user will enter the number of boxes to order.
   d. When GET PRICE is clicked, it should show the price for the number of boxes requested by retrieving price from the shared preferences.
   e. When PLACE Order is clicked, it should place an order by inserting a record into orders table with the person name, cookie type, number of boxes and calculated price.
   f. When the PRINT button is pressed, it should print all the orders to Android Monitor/Logcat.
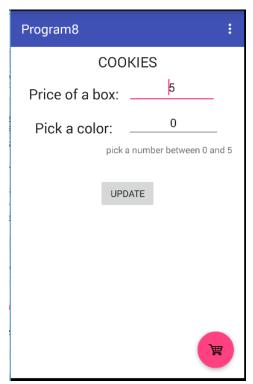3) The app should be tested properly and should not crash in any scenario. Use appropriate Toast messages.
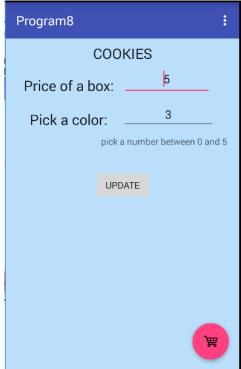
Bonus:
➢ Clear the order fields except for name when an order is completed.
➢ Add a button that will print all the orders that match the name in the EditText.
➢ Add a button that will print all the orders that match the cookie in the EditText.
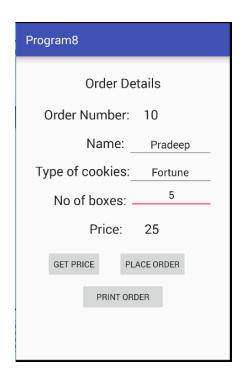
➢ For the print buttons, use a ListView and a cursor adaptor to display the results.
➢ Add a field to the database that records the total cost of the order and include the ability to display orders over a cost that can be entered in a EditText.
➢ Add a DropDown that replaces the cookie Edit text and has three (or more) values – "chocolate chip", "peanut butter", and "snicker doodle"
➢ Add the ability to delete or modify a given order.
➢ Add a customer table that has a name and an address and use the customer id created here in the order table.

Note: There is lot of scope for improvement in the application. So use your creativity and beautify the application.

Sample Layout (Rough Sketch):

Program8

Order Details

Order Number: 10

Name: Pradeep

Type of cookies: Fortune

No of boxes: 5

Price: 25

[GET PRICE]   [PLACE ORDER]

[PRINT ORDER]

11-03 21:50:25.398 7086-7086/com.example.s528182.program8 I/System.out: 1 Pradeep Fortune 4 12
11-03 21:50:25.398 7086-7086/com.example.s528182.program8 I/System.out: 2 Dr. Hoot Chocolate Chip 8 24
11-03 21:50:25.398 7086-7086/com.example.s528182.program8 I/System.out: 3 Karuna Biscotti 4 12
11-03 21:50:25.402 7086-7086/com.example.s528182.program8 I/System.out: 4 Pradeep Fortune 2 6