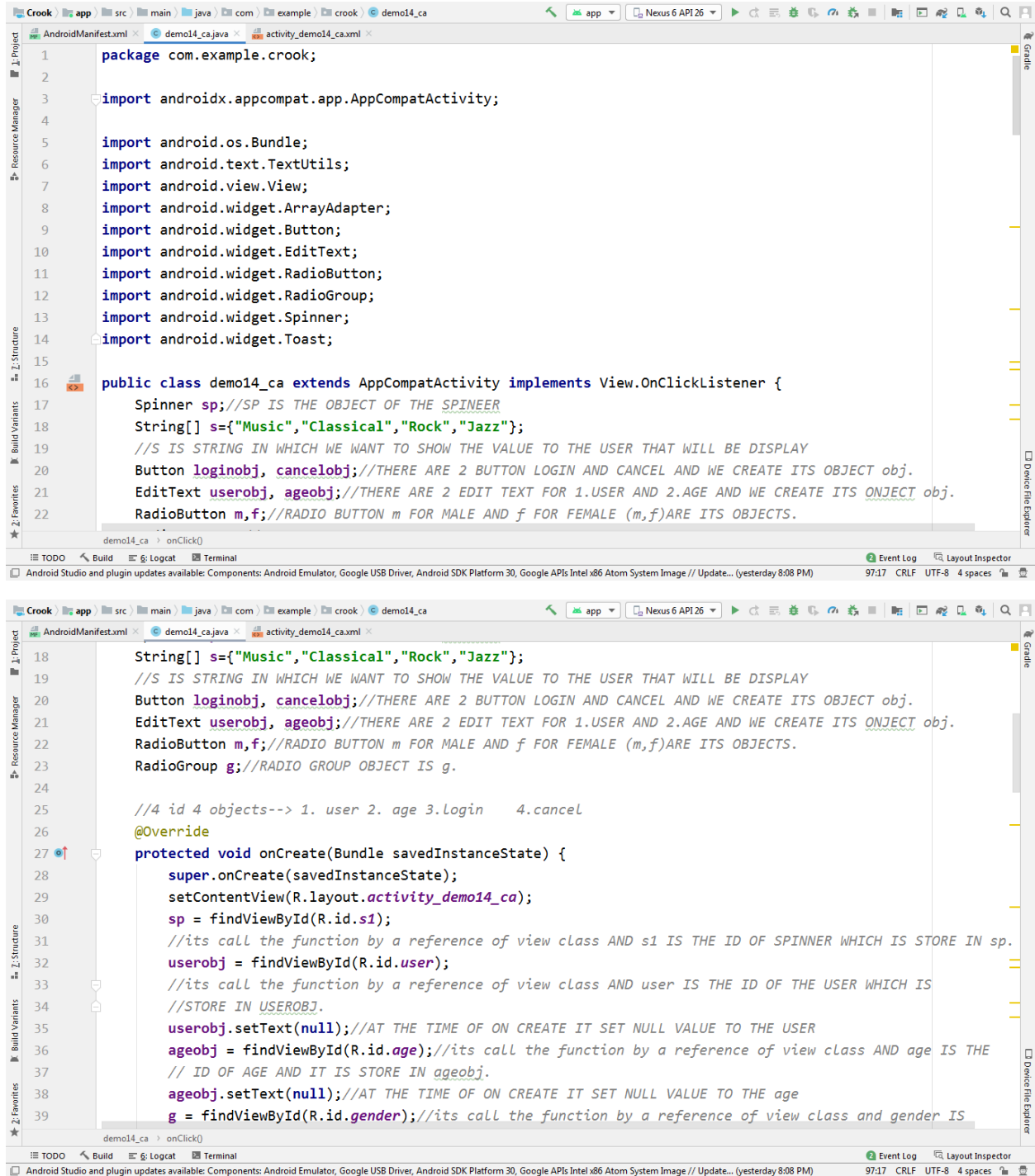


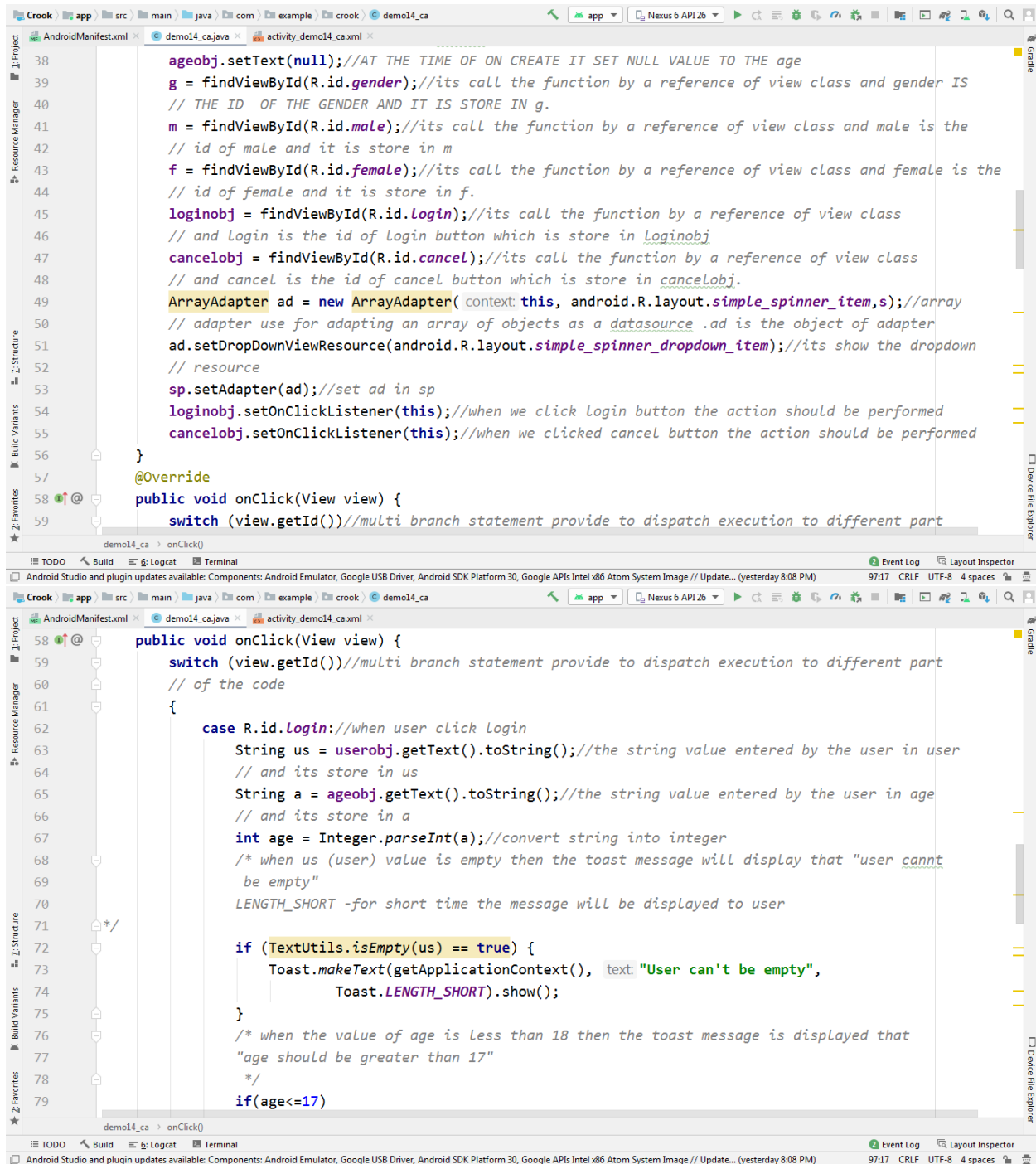
## MAIN ACTIVITY.JAVA

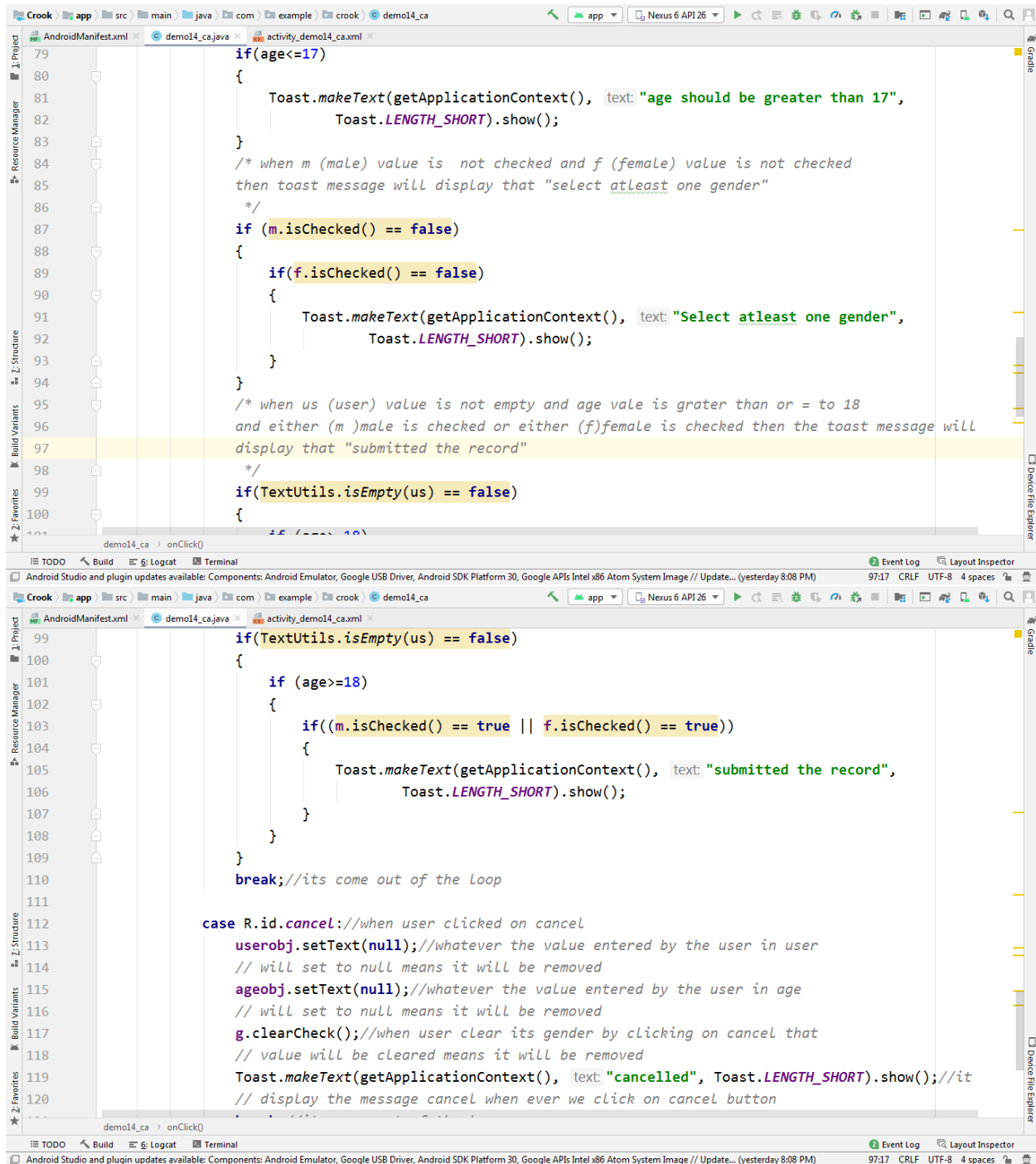


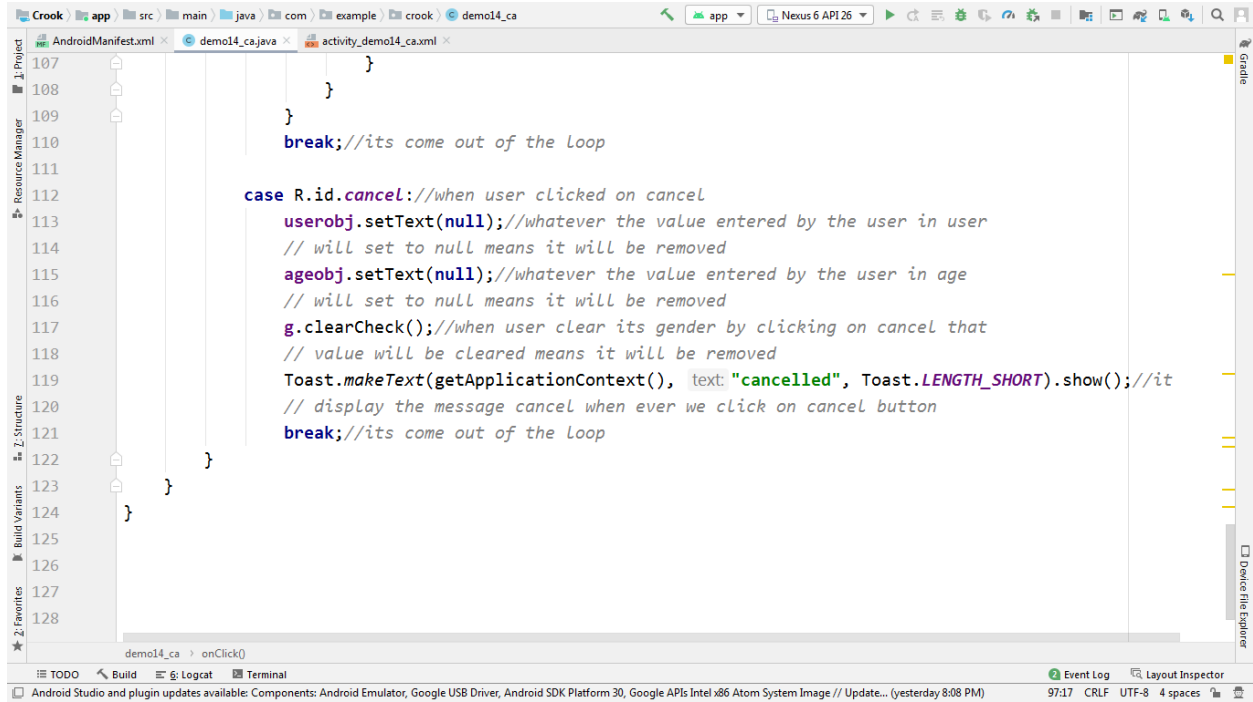
```

1 package com.example.crook;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.os.Bundle;
6 import android.text.TextUtils;
7 import android.view.View;
8 import android.widget.AdapterView;
9 import android.widget.Button;
10 import android.widget.EditText;
11 import android.widget.RadioButton;
12 import android.widget.RadioGroup;
13 import android.widget.Spinner;
14 import android.widget.Toast;
15
16 public class demo14_ca extends AppCompatActivity implements View.OnClickListener {
17     Spinner sp; // SP IS THE OBJECT OF THE SPINNEER
18     String[] s = {"Music", "Classical", "Rock", "Jazz"};
19     // S IS STRING IN WHICH WE WANT TO SHOW THE VALUE TO THE USER THAT WILL BE DISPLAY
20     Button loginobj, cancelobj; // THERE ARE 2 BUTTON LOGIN AND CANCEL AND WE CREATE ITS OBJECT obj.
21     EditText userobj, ageobj; // THERE ARE 2 EDIT TEXT FOR 1.USER AND 2.AGE AND WE CREATE ITS OBJECT obj.
22     RadioButton m, f; // RADIO BUTTON m FOR MALE AND f FOR FEMALE (m,f) ARE ITS OBJECTS.
23
24     // 4 id 4 objects --> 1. user 2. age 3. login 4. cancel
25
26     @Override
27     protected void onCreate(Bundle savedInstanceState) {
28         super.onCreate(savedInstanceState);
29         setContentView(R.layout.activity_demo14_ca);
30         sp = findViewById(R.id.s1);
31         // its call the function by a reference of view class AND s1 IS THE ID OF SPINNER WHICH IS STORE IN sp.
32         userobj = findViewById(R.id.user);
33         // its call the function by a reference of view class AND user IS THE ID OF THE USER WHICH IS
34         // STORE IN USEROBJ.
35         userobj.setText(null); // AT THE TIME OF ON CREATE IT SET NULL VALUE TO THE USER
36         ageobj = findViewById(R.id.age); // its call the function by a reference of view class AND age IS THE
37         // ID OF AGE AND IT IS STORE IN ageobj.
38         ageobj.setText(null); // AT THE TIME OF ON CREATE IT SET NULL VALUE TO THE age
39         g = findViewById(R.id.gender); // its call the function by a reference of view class and gender IS

```







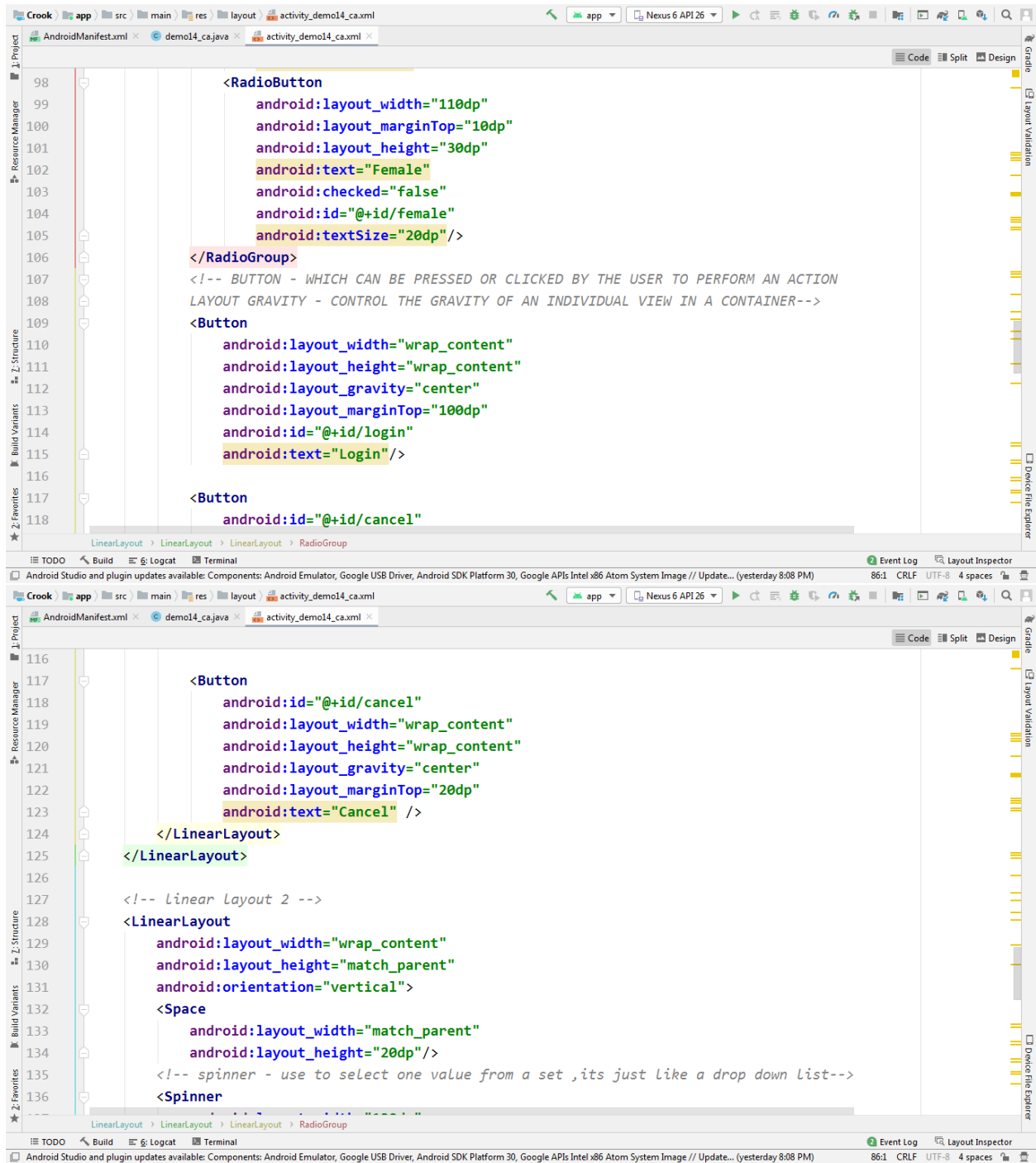
## MAIN ACTIVITY.XML

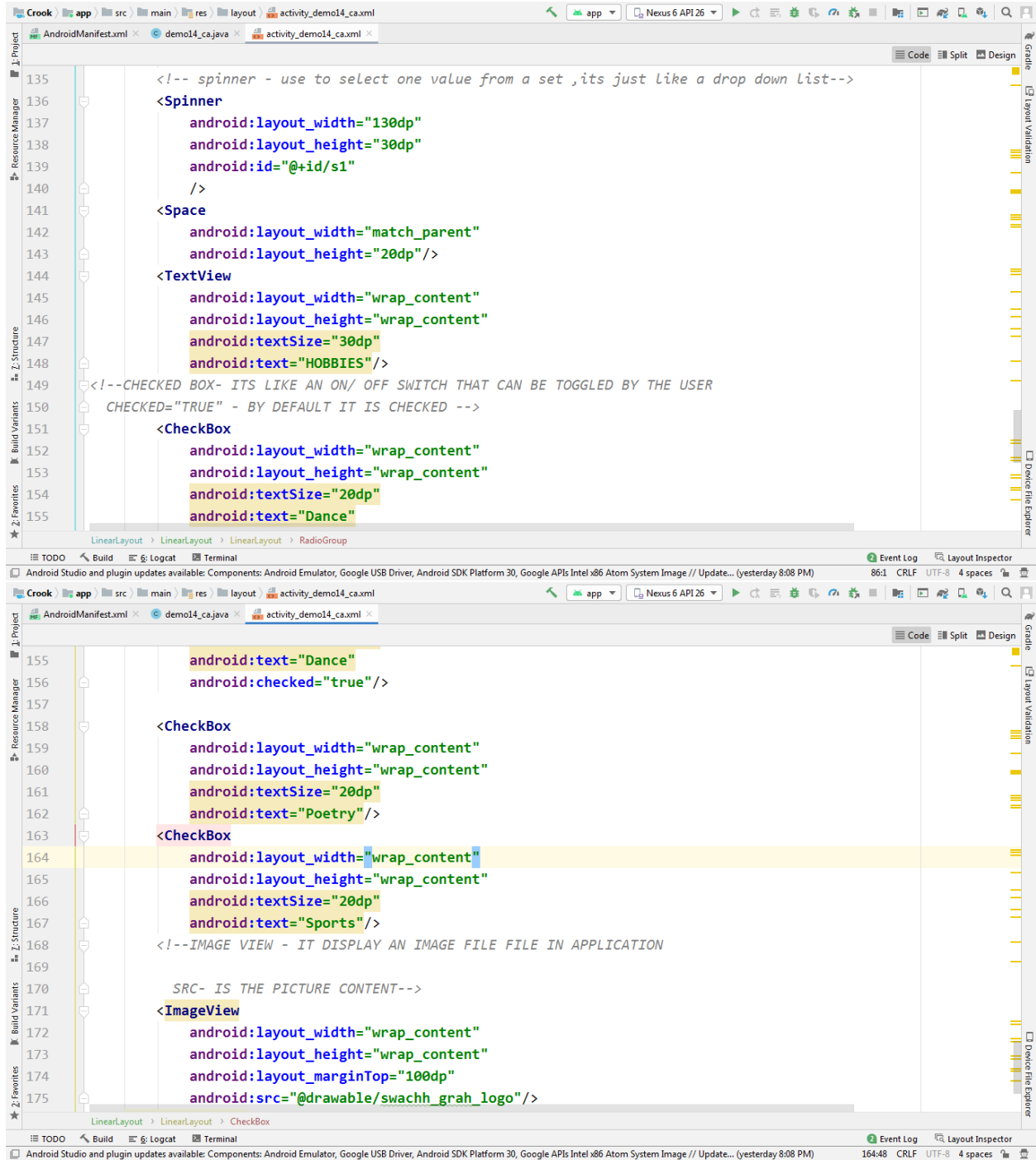
```
<?xml version="1.0" encoding="utf-8"?>
<!-- MAIN LINEAR LAYOUT contain horizontal LINEAR LAYOUT by DEFAULT -->
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".demo14_ca">

    <!-- linear layout 1 IN THIS WE SET ORIENTATION =VERTICAL BCOZ WE WANT OUR CONTENT IN VERTICAL FORM -->
    <LinearLayout
        android:layout_width="200dp"
        android:layout_height="match_parent"
        android:orientation="vertical">
        <LinearLayout
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:orientation="vertical">
            <!--SPACE IS FOR ADDING SOME SPACE -->
            <Space
                android:layout_width="match_parent"
                android:layout_height="20dp"/>
            <!--TEXT VIEW - IT DISPLAY THE TEXT TO THE USER
            MARGIN LEFT - IF WE WRITE AND READ FROM LEFT SIDE BEFORE THE TEXT
            TEXT SIZE- IT GIVE SIZE TO TEXT
            TEXT- WHAT TYPE OF TEXT WE WANT TO DISPLAY TO THE USER
            LAYOUT WEIGHT - IT ALLOW IT TO EXPAND TO FILL ANY REMAINING SPACE IN PARENT VIEW. CHILD VIEW SPECIFY
            ID- UNIQUE RESOURCE NAME FOR THE ELEMENT-->
            <TextView
                android:layout_width="match_parent"
                android:layout_height="40dp"
                android:layout_marginLeft="10dp"
                android:textSize="30dp"
                android:text="USER : "
                android:layout_weight="1"
            />
            <!--EDIT TEXT- ALLOW THE USER TO ENTER OR MODIFY THE TEXT
            INPUT TYPE - IT TELLS US THAT WHAT TYPE OF INPUT WE WANT FROM USER
            ID- UNIQUE RESOURCE NAME FOR THE ELEMENT-->
            <EditText
                android:layout_width="200dp"
                android:layout_height="40dp"
                android:layout_weight="1"
            />
        </LinearLayout>
    </LinearLayout>
</LinearLayout>
```

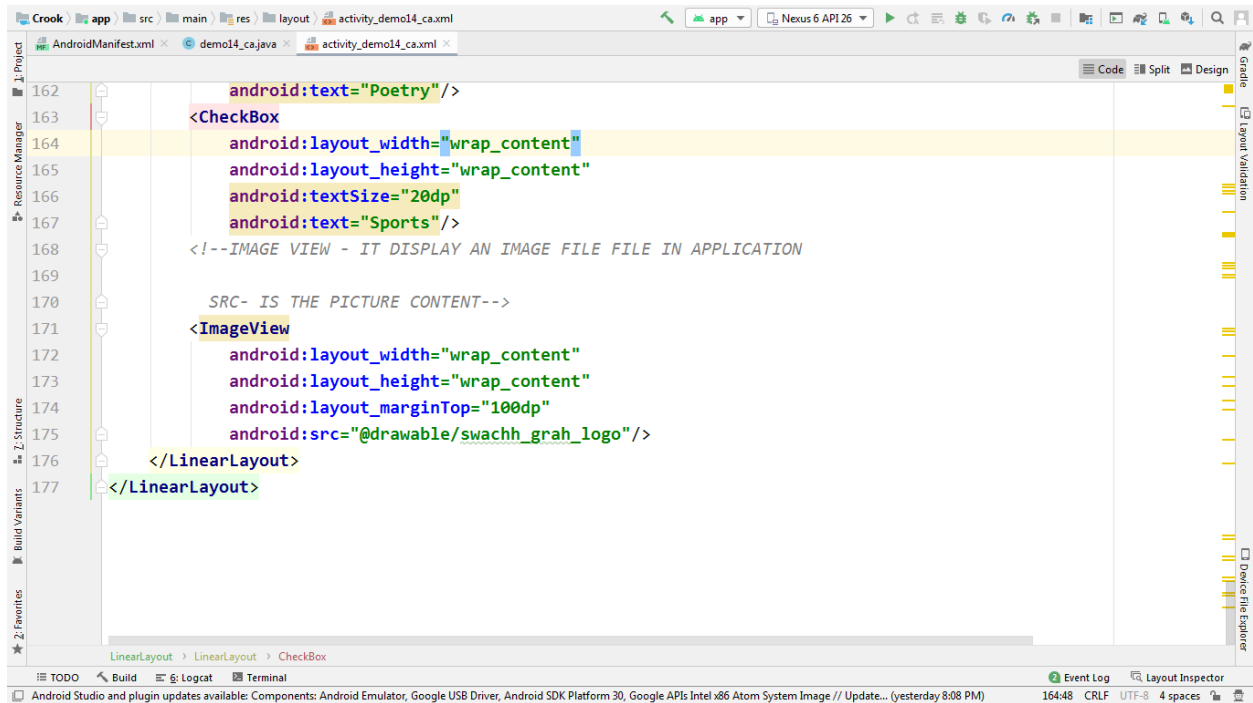
```
Crook / app / src / main / res / layout / activity_demo14_ca.xml
AndroidManifest.xml demo14_ca.java activity_demo14_ca.xml
Code Split Design
38 ID- UNIQUE RESOURCE NAME FOR THE ELEMENT-->
39 <EditText
40     android:layout_width="200dp"
41     android:layout_height="60dp"
42     android:text=""
43     android:inputType="text"
44     android:id="@+id/user"/>
45 </LinearLayout>
46 <Space
47     android:layout_width="match_parent"
48     android:layout_height="30dp"></Space>
49
50 <LinearLayout
51     android:layout_width="200dp"
52     android:layout_height="70dp">
53     <TextView
54         android:layout_width="wrap_content"
55         android:layout_height="60dp"
56         android:layout_marginLeft="10dp"
57         android:textSize="30dp"
58         android:text="AGE : "
```

```
LinearLayout LinearLayout LinearLayout RadioGroup
86:1 CRLF UTF-8 4 spaces
Android Studio and plugin updates available: Components: Android Emulator, Google USB Driver, Android SDK Platform 30, Google APIs Intel x86 Atom System Image // Update... (yesterday 8:08 PM)
Crook / app / src / main / res / layout / activity_demo14_ca.xml
AndroidManifest.xml demo14_ca.java activity_demo14_ca.xml
Code Split Design
58     android:text="AGE : "
59     />
60 <EditText
61     android:layout_marginLeft="20dp"
62     android:layout_width="60dp"
63     android:layout_height="wrap_content"
64     android:inputType="number"
65     android:text=""
66     android:id="@+id/age"/>
67 </LinearLayout>
68 <Space
69     android:layout_width="match_parent"
70     android:layout_height="10dp"/>
71 <LinearLayout
72     android:layout_width="match_parent"
73     android:layout_height="match_parent"
74     android:orientation="vertical">
75     <TextView
76         android:layout_width="120dp"
77         android:layout_height="40dp"
78         android:layout_marginLeft="11dp"
```

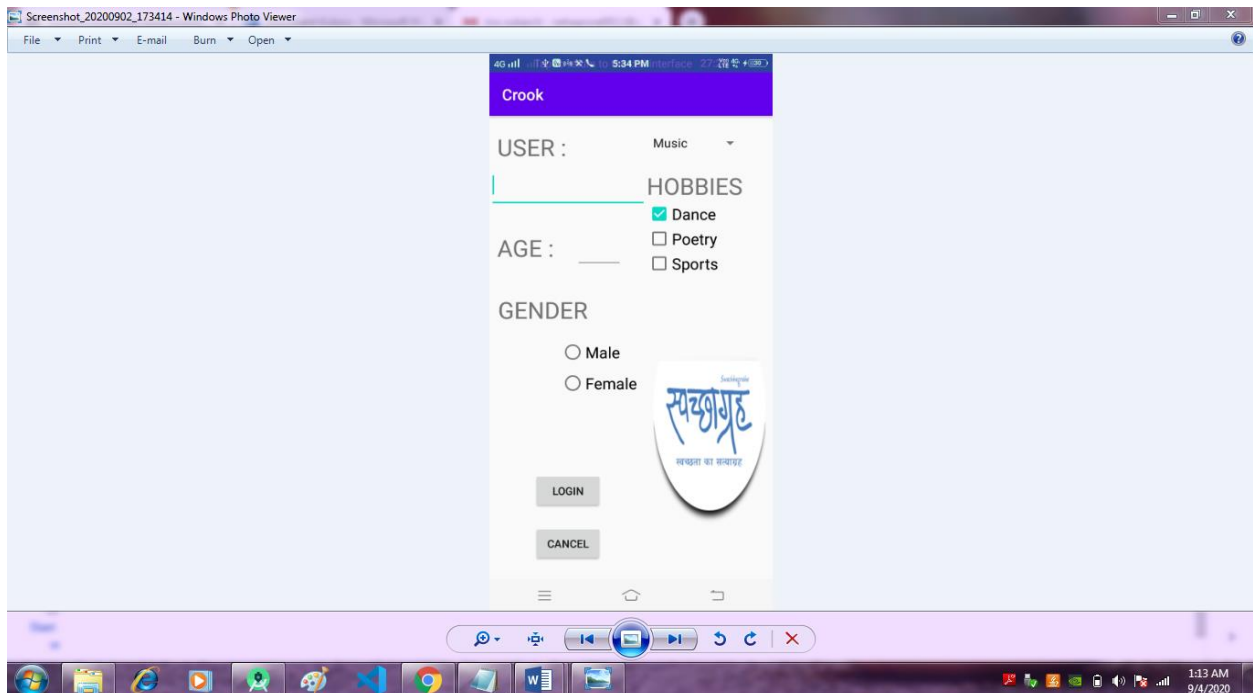




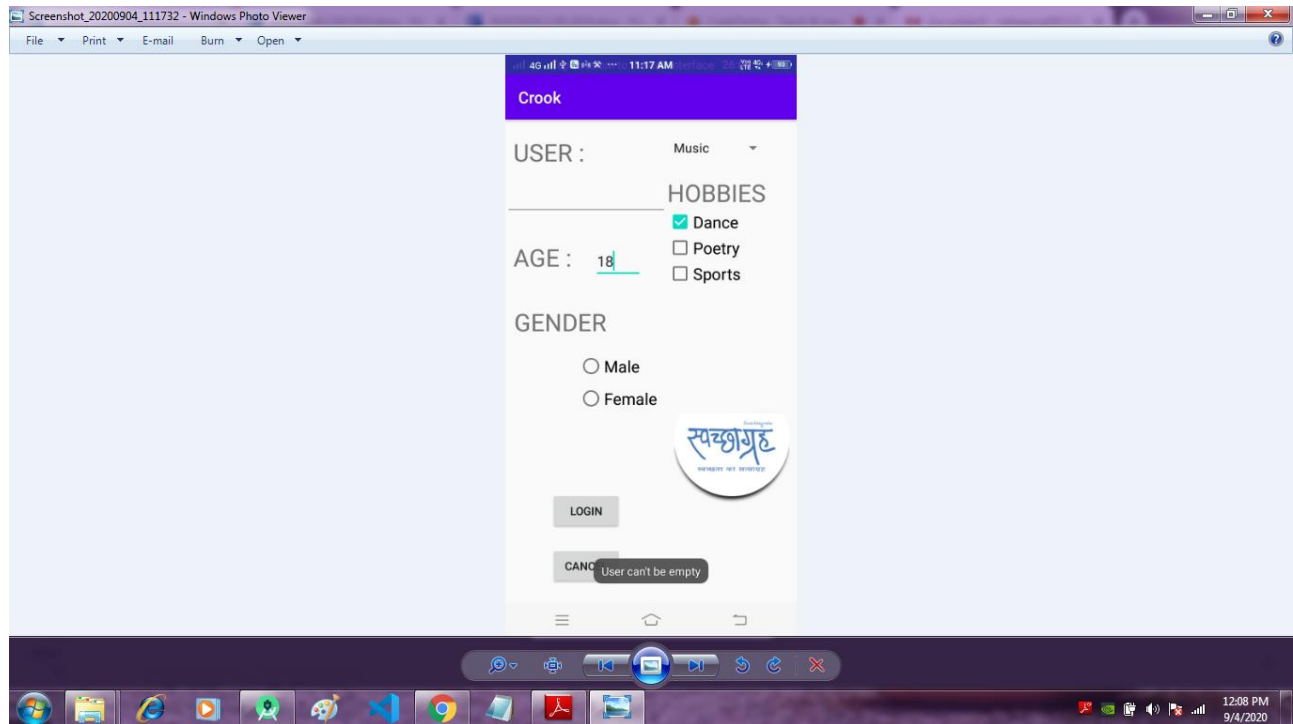




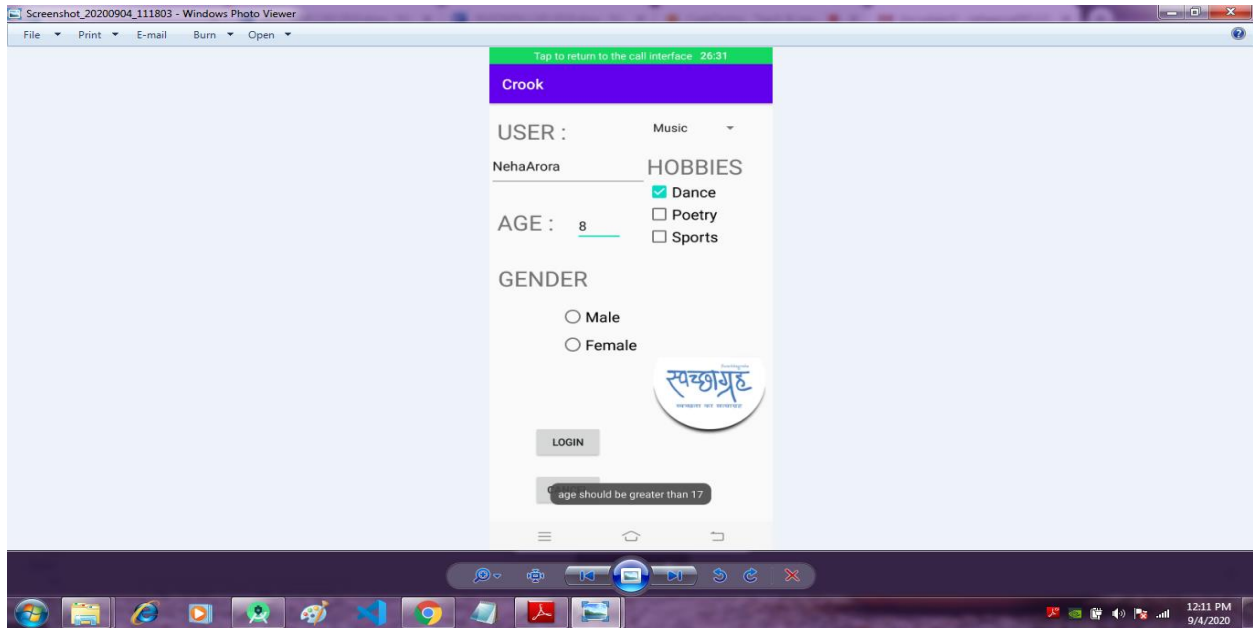
## OUTPUT - DESIGN:



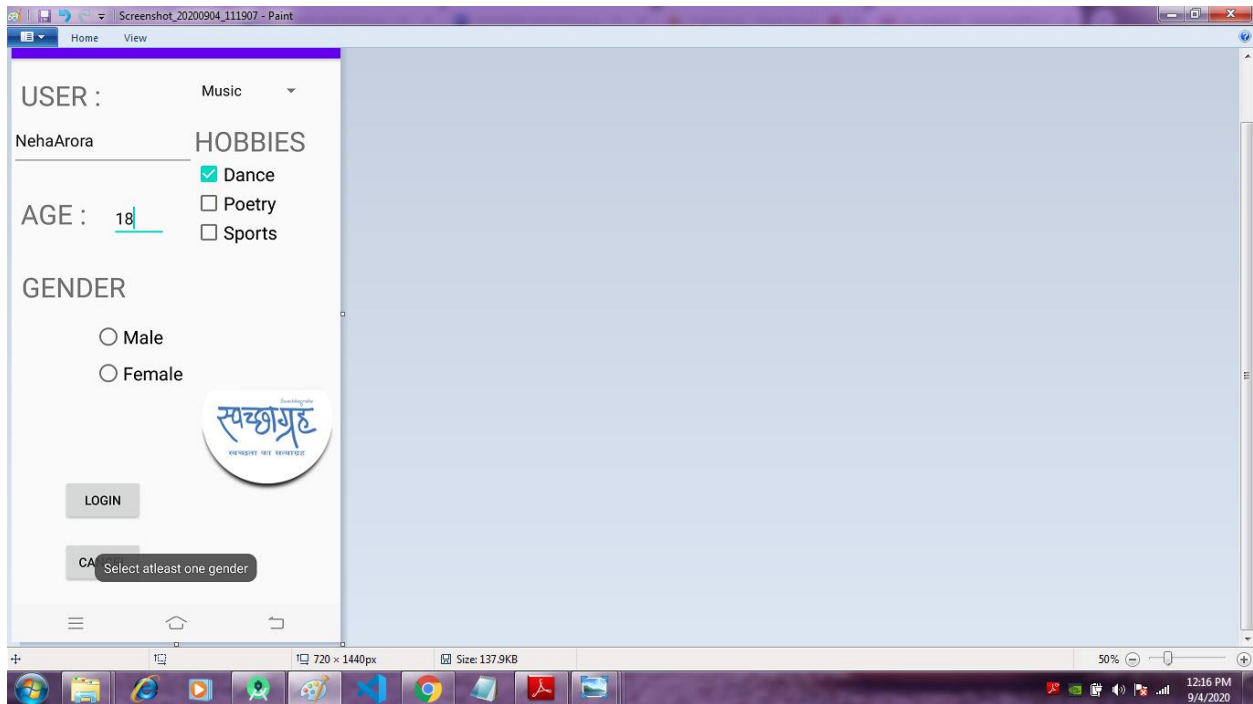
## 1.USER CAN'T BE EMPTY



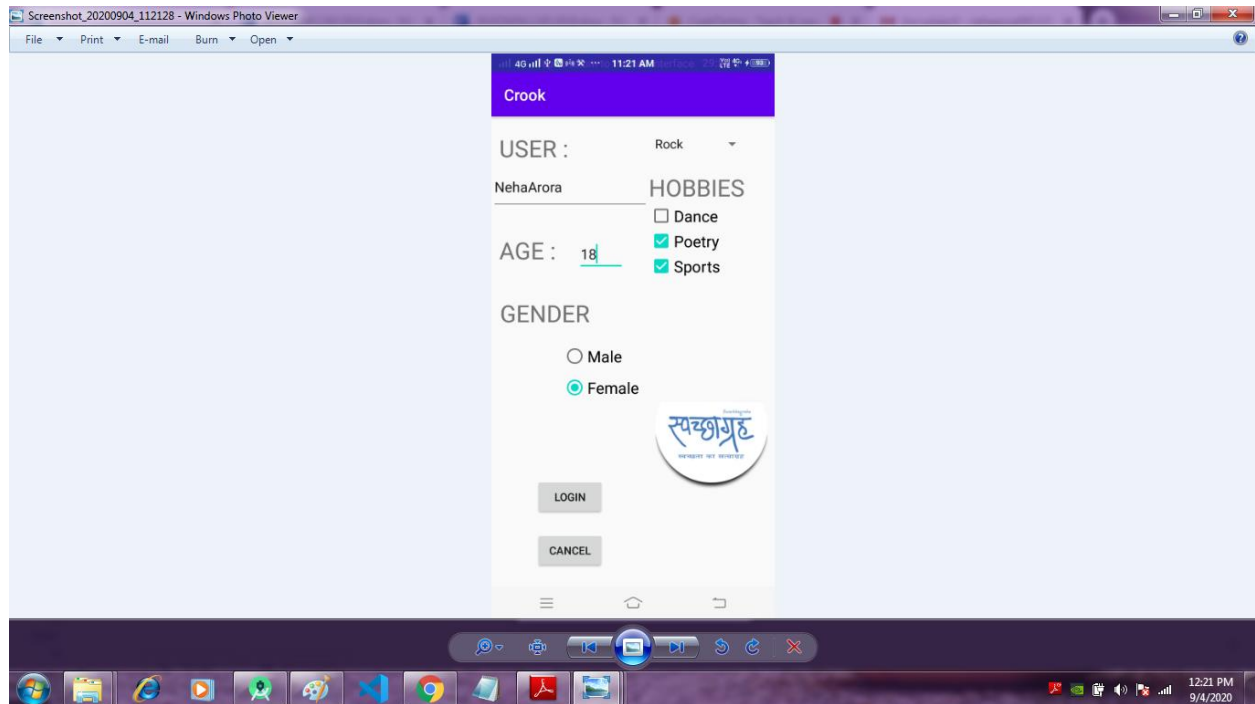
## 2. AGE SHOULD BE GREATER THAN 17



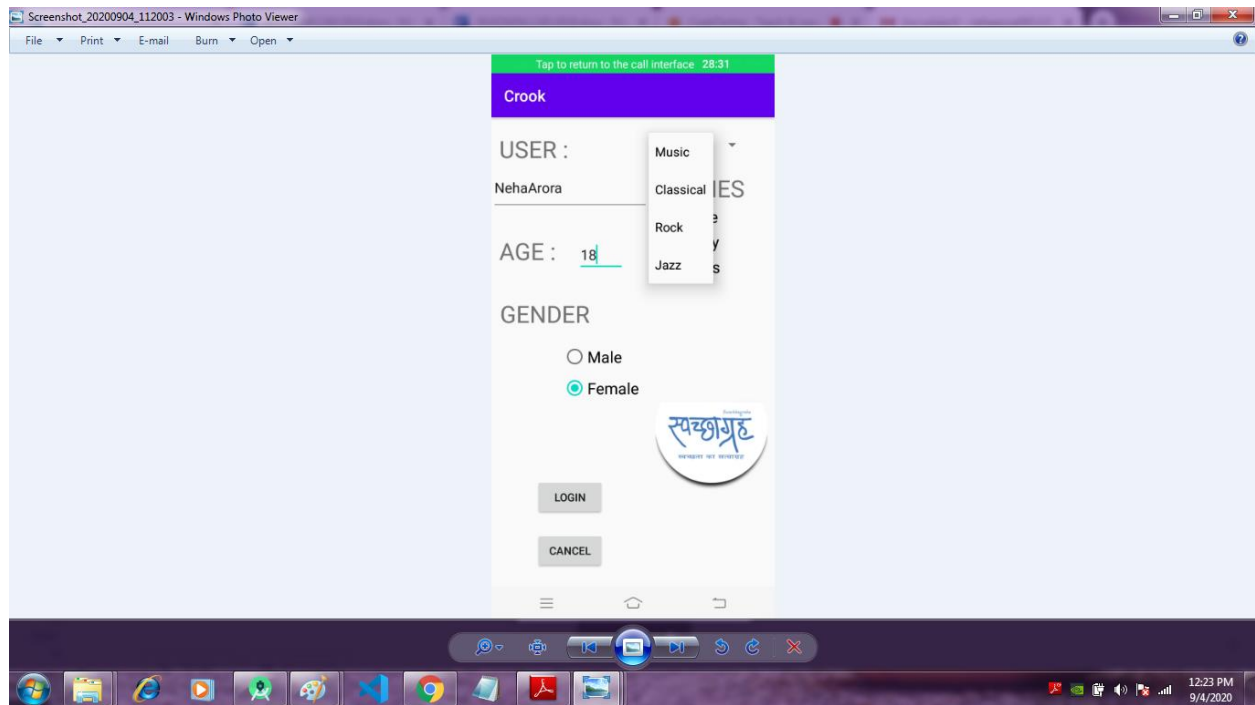
### 3.SELECT ATLEAST ONE GENDER



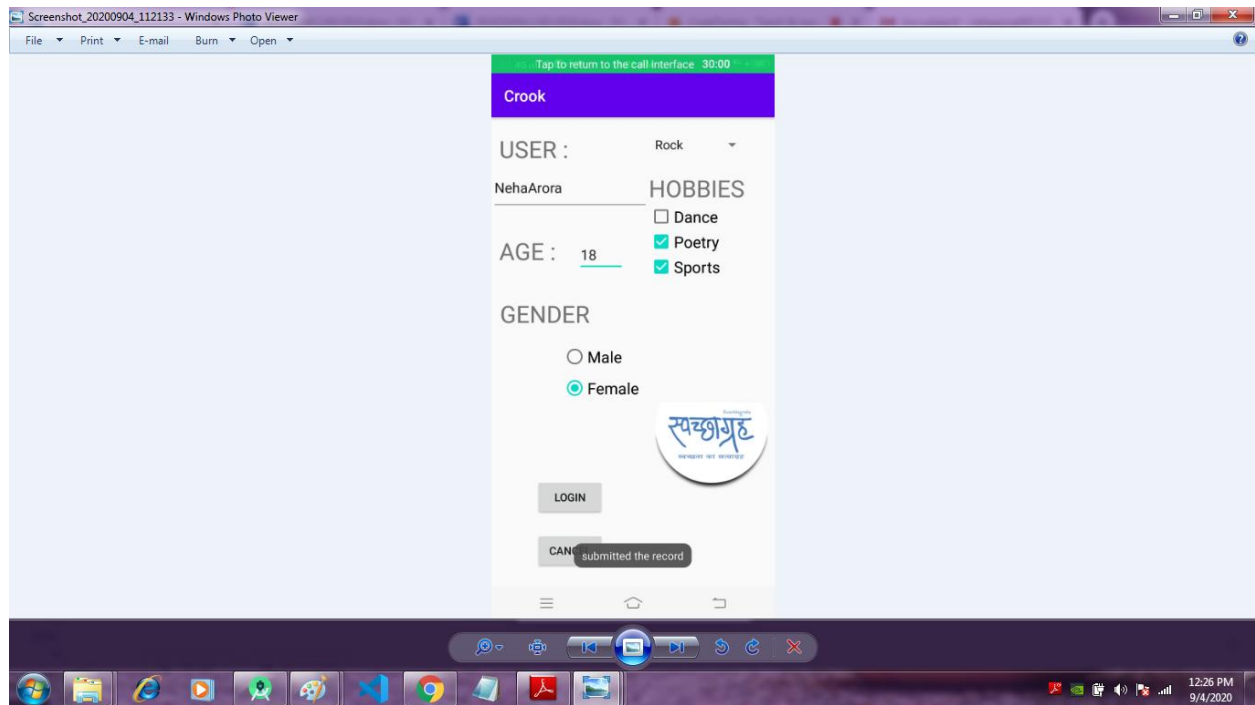
## 4.CHECK BOX



## 5. SPINNER



**6.LOGIN BUTTON --> SUBMITTED THE RECORD**



## 7. CANCEL---->CANCELLED

