



Experiment1.4

Student Name: Himanshu

UID: 20BCS7944

Branch: CSE

Section/Group: 905/A

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Subject Name: Mobile Application Development Lab

Subject Code: 20CSP-356

Aim: Understanding and analyze the specific requirements, possibilities and challenges when developing for a mobile application context.

Objective: To design an android application to open a url based service that we will provide in the button and other textview options.

Script and Output:

Step 1- First step is to create a simple Android Application to click on button and open many intents.

Step 2- You can start your application development by calling start a new android studio project. in a new installation frame should ask Application name, package information and location of the project.

Step 3- Make all id as Instagram, twitter, youtube.

Step 4- Go to activity xml and replace the code and then go to mainactivity. Java and there also perform the desired changes.

Step 5- Create an application that takes name from a textbox and shows hello message along with the name entered intentbox.

Step 6- Run the code and also you can try to add a widget to it.

Source Code-

```
<TextView
    android:id="@+id/instagram"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="60dp"
    android:text="Instagram"
    android:textSize="22sp"
    android:textColor="#313131"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<Button
    android:id="@+id/twitter"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="120dp"
    android:text="Twitter"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/instagram" />
```

```
<ImageView
    android:id="@+id/youtube"
    android:layout_width="100dp"
    android:layout_height="91dp"
    android:layout_marginTop=
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/twitter"
    app:srcCompat="@drawable/youtube" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Hardcoded string "Twitter", should use @string resource more... (C

```
12 </> public class MainActivity extends AppCompatActivity {
13
14     TextView inst;
15     Button twitter;
16     ImageView youtube;
17
18     @Override
19     protected void onCreate(Bundle savedInstanceState) {
20         super.onCreate(savedInstanceState);
21         setContentView(R.layout.activity_main);
22
23         inst = findViewById(R.id.instagram);
24         twitter = findViewById(R.id.twitter);
25         youtube = findViewById(R.id.youtube);
26
27         inst.setOnClickListener(new View.OnClickListener() {
28             @Override
29             public void onClick(View view) {
30
31         }
```



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