Linking Activities

Intents :

Intent is one of the most important and most used app component of an android application.

Using Intents, you call to other app components or to other activity or also call other applications on your phone.

Below is a simple application which has one button in one activity and when clicked to goes to other activity using intent and in the other activity, two fragments are shown.

Activity_main.xml

Here we have only one button,

```
<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"

   xmlns:tools="http://schemas.android.com/tools" ... ....>

<Button
```

```
   android:id="@+id/btn"

   android:layout_width="wrap_content"

   android:layout_height="wrap_content"

   android:text="Go to another activity"

   android:layout_centerVertical="true"

   android:layout_centerHorizontal="true" />

</RelativeLayout>
```

MainActivity.java

In MainActivity I just initialize the button and set a click listener to it to call SecondActivity, this moving from one activity to another activity here is done using an Intent.

```
package androidhunger.activityfragmentintentdemo;

import android.content.Intent;

public class MainActivity extends AppCompatActivity {@Override

protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);

Button btn = (Button) findViewById(R.id.btn);

btn.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v)

startActivity(new Intent(MainActivity.this, SecondActivity.class))

}

});

}}
```

top_fragment.xml and bottom_fragment.xml:

I want to show two fragments in the second activity, so I need to create two layouts for the fragments, pretty simple layouts with a text view in each layout.

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<LinearLayout
xmlns:android="http://schema.android.com/apk/res/android"...><TextView
 android:layout_width="wrap_content"
      android:layout_height="wrap_content"
android:textAppearance="?android:attr/textAppearanceLarge"
      android:text="This is the Top Fragment"
      android:id="@+id/textView"
      android:layout_gravity="center" />
</LinearLayout>
```

TopFragment.java and BottomFragment.java:

For the fragments, they need a class, so I created a class which extends Fragment class and simply set its content to the layout files I just created above.

```
package androidhunger.activityfragmentintentdemo;
```

```
import android.app.Fragment;

public class TopFragment extends Fragment{

   @Override

    public View onCreateView(LayoutInflater inflater, ViewGroup
container, Bundle savedInstanceState) ;

  View view = inflater.inflate(R.layout.top_fragment,container,false);
return view;

}}
```

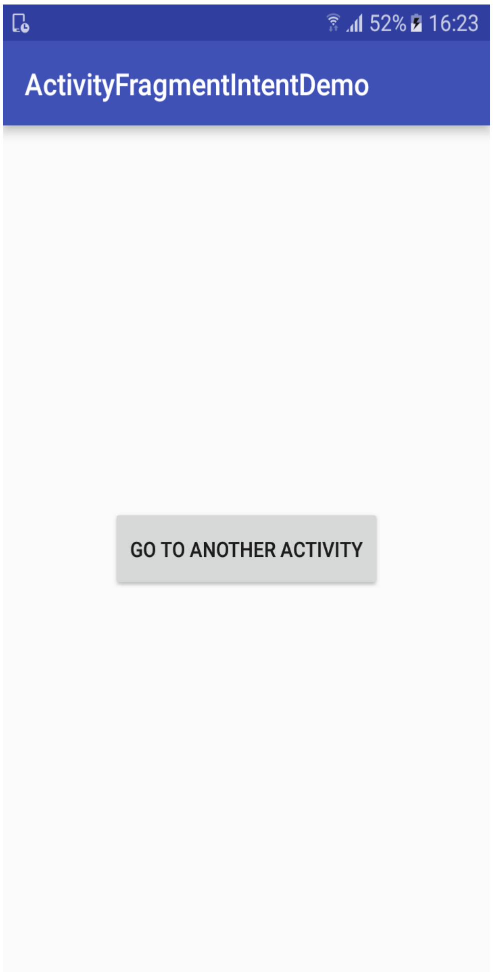
Activity_second.xml **:**

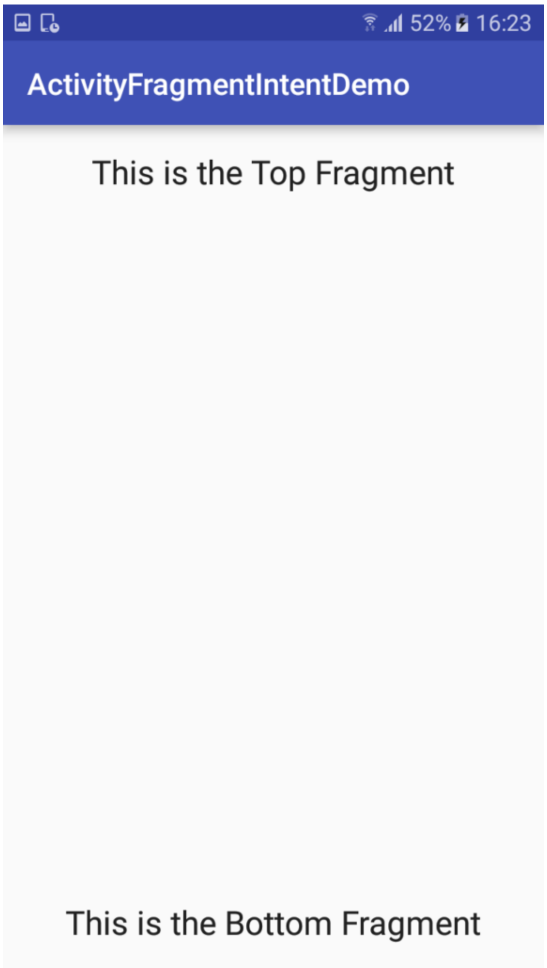
In the second activity I just wanted to show two fragments which I just created above, so in its layout file, I will add the two fragments.

```
<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/androi"
```

```
xmlns:tools="http://schemas.android.com/tools"

android:layout_width="match_parent"

android:layout_height="match_parent" .....">

<fragment

android:layout_width="wrap_content"

android:layout_height="wrap_content”
android:name="androidhunger.activityfragmentintentdemo.TopFrag
ment"    android:id="@+id/fragment"

android:layout_alignParentTop="true"

android:layout_centerHorizontal="true"

tools:layout="@layout/top_fragment" />
```

```
<fragment android:layout_width="wrap_content"


android:layout_height="wrap_content"

android:name="androidhunger.activityfragmentintentdemo.BottomF

ragment"android:id="@+id/fragment2"

android:layout_alignParentBottom="true"

android:layout_centerHorizontal="true"

tools:layout="@layout/bottom_fragment" /></RelativeLayout>
```





This is the Top Fragment

This is the Bottom Fragment