



M.A.D ASSIGNMENT # 2 – REHAN ASGHAR BSSE 15126

Submitted to: Sir Waqas Asghar



MAY 23, 2017

SUBMITTED BY: REHAN ASGHAR

Intent in Android

What are Intent?

An Intent is a messaging object you can use to request an action from another app component. Although intents facilitate communication between components in several ways, there are three fundamental use cases:

- Starting an Activity
- Starting a Service
- Delivering a Broadcast

Why do we need Intent?

An Activity represents a single screen in an app. You can start a new instance of an Activity by passing an Intent to `startActivity()`. The Intent describes the activity to start and carries any necessary data.

Types of Intent?

There are two types of Intents:

1. Explicit Intent
2. Implicit Intent

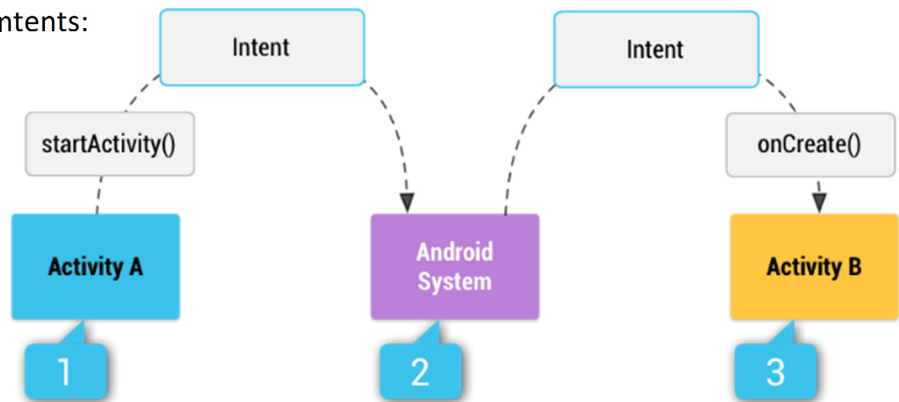
Explicit Intent:

Explicit intents specify the component to start by name (the fully-qualified class name). You'll typically use an explicit intent to start a

component in your own app, because you know the class name of the activity or service you want to start. For example, you can start a new activity in response to a user action or start a service to download a file in the background.

Implicit Intent:

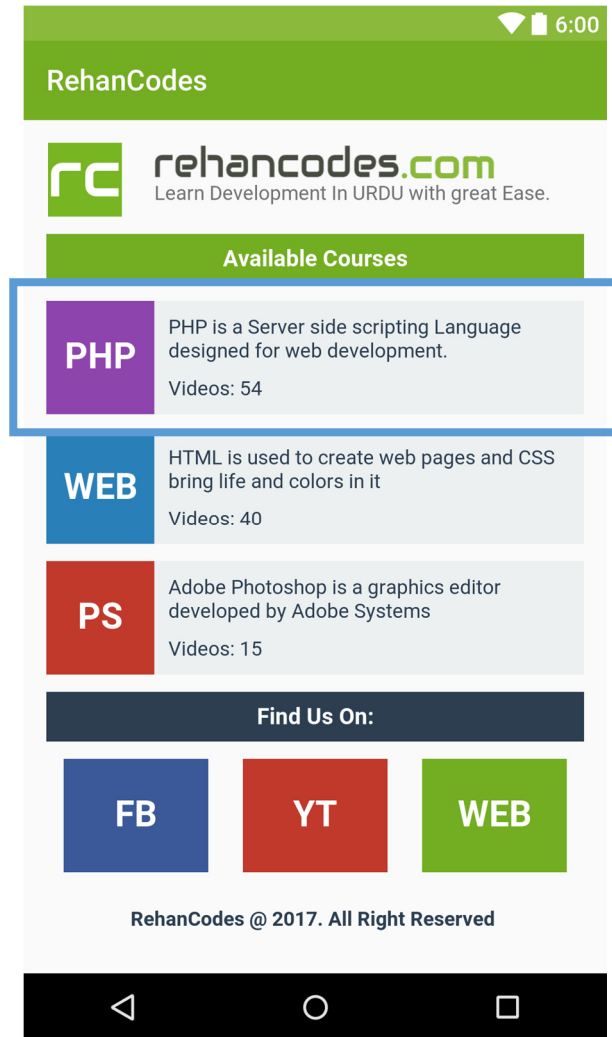
Implicit intents do not name a specific component, but instead declare a general action to perform, which allows a component from another app to handle it. For example, if you want to show the user a location on a map, you can use an implicit intent to request that another capable app show a specified location on a map.



Task: Linking the Activity 1 with the Activity 2 using Intent in Android.

Screen Shots of Both Activities:

Activity 1



Activity 2



XML & Java Code is on the Next Page

XML Code of Activity 1:

```
<?xml version="1.0" encoding="utf-8"?>
<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:id="@+id/activity_main"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context="com.example.buxomrehan.firstlayout.MainActivity"
    android:orientation="vertical"
    android:weightSum="100">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:weightSum="100">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="80"
            android:weightSum="1">

            <ImageView
                android:layout_width="47dp"
                android:layout_height="52dp"
                app:srcCompat="@drawable/rehancodes_logo"
                android:id="@+id/mainlogo"
                tools:ignore="DuplicateIds"
                android:layout_weight="0.26" />

            </LinearLayout>

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_weight="20"
                android:orientation="vertical"
                android:weightSum="100">

                <ImageView
```

```
    android:layout_width="240dp"  
    android:layout_height="27dp"  
    app:srcCompat="@drawable/logo"  
    android:id="@+id/logobanner" />
```

```
<TextView  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:text="@string/desc"/>
```

```
</LinearLayout>
```

```
</LinearLayout>
```

```
<!-- Available Tag -->
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content">
```

```
<TextView  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:text="Available Courses"  
    android:background="@color/colorPrimary"  
    android:textAlignment="center"  
    android:textColor="#ffffff"  
    android:padding="8dp"  
    android:layout_marginTop="12dp"  
    android:textSize="16sp"  
    android:textStyle="bold"  
    android:layout_marginBottom="12dp"/>
```

```
</LinearLayout>
```

```
<!-- PHP Course Card -->
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:weightSum="100"  
    android:orientation="horizontal"  
    android:background="#ecf0f1"  
    android:onClick = "gotoNextPage" >
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"
```

```
android:layout_weight="80">
```

```
<TextView  
  android:layout_width="match_parent"  
  android:layout_height="80dp"  
  android:text="PHP"  
  android:textSize="25sp"  
  android:textAlignment="center"  
  android:textStyle="bold"  
  android:textColor="#ffffff"  
  android:paddingTop="24dp"  
  android:background="#8e44ad"/>
```

```
</LinearLayout>
```

```
<LinearLayout  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:layout_weight="20"  
  android:weightSum="100"  
  android:orientation="vertical">
```

```
<TextView  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:text="PHP is a Server side scripting Language designed for web development."  
  android:textSize="14sp"  
  android:textColor="#2c3e50"  
  android:padding="10dp"  
  android:layout_weight="30"/>
```

```
<TextView  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:text="Videos: 54 "  
  android:textSize="14sp"  
  android:textColor="#2c3e50"  
  android:paddingBottom="6dp"  
  android:paddingLeft="10dp"  
  android:layout_weight="70"/>
```

```
</LinearLayout>
```

```
</LinearLayout>
```

```
<!-- HTML Course Card -->
```

```
<LinearLayout
```

```
android:layout_width="match_parent"  
android:layout_height="wrap_content"  
android:weightSum="100"  
android:orientation="horizontal"  
android:background="#ecf0f1"  
android:layout_marginTop="12dp">
```

```
<LinearLayout  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:layout_weight="80">
```

```
<TextView  
  android:layout_width="match_parent"  
  android:layout_height="80dp"  
  android:text="WEB"  
  android:textSize="25sp"  
  android:textAlignment="center"  
  android:textStyle="bold"  
  android:textColor="#ffffff"  
  android:paddingTop="24dp"  
  android:background="#2980b9"/>
```

```
</LinearLayout>
```

```
<LinearLayout  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:layout_weight="20"  
  android:weightSum="100"  
  android:orientation="vertical">
```

```
<TextView  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:text="HTML is used to create web pages and CSS bring life and colors in it"  
  android:textSize="14sp"  
  android:textColor="#2c3e50"  
  android:padding="10dp"  
  android:layout_weight="30"/>
```

```
<TextView  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:text="Videos: 40 "  
  android:textSize="14sp"  
  android:textColor="#2c3e50"  
  android:paddingBottom="6dp"
```

```
        android:paddingLeft="10dp"  
        android:layout_weight="70"/>
```

```
</LinearLayout>
```

```
</LinearLayout>
```

```
<!-- PHOTOSHOP Course Card -->
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:weightSum="100"  
    android:orientation="horizontal"  
    android:background="#ecf0f1"  
    android:layout_marginTop="12dp">
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_weight="80">
```

```
<TextView
```

```
    android:layout_width="match_parent"  
    android:layout_height="80dp"  
    android:text="PS"  
    android:textSize="25sp"  
    android:textAlignment="center"  
    android:textStyle="bold"  
    android:textColor="#ffffff"  
    android:paddingTop="24dp"  
    android:background="#c0392b"/>
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_weight="20"  
    android:weightSum="100"  
    android:orientation="vertical">
```

```
<TextView
```

```
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:text="Adobe Photoshop is a graphics editor developed by Adobe Systems"  
    android:textSize="14sp"  
    android:textColor="#2c3e50"
```



```
    android:padding="10dp"  
    android:layout_weight="30"/>
```

```
<TextView  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:text="Videos: 15 "  
    android:textSize="14sp"  
    android:textColor="#2c3e50"  
    android:paddingBottom="6dp"  
    android:paddingLeft="10dp"  
    android:layout_weight="70"/>
```

```
</LinearLayout>
```

```
</LinearLayout>
```

```
<!-- Social Tag -->
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content">
```

```
<TextView  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:text="Find Us On:"  
    android:background="#2c3e50"  
    android:textAlignment="center"  
    android:textColor="ffffff"  
    android:padding="8dp"  
    android:layout_marginTop="12dp"  
    android:textSize="16sp"  
    android:textStyle="bold"/>
```

```
</LinearLayout>
```

```
<!-- Social Links Card -->
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:weightSum="3"  
    android:orientation="horizontal">
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_weight="1">
```

```
<TextView
    android:layout_width="match_parent"
    android:layout_height="80dp"
    android:text="FB"
    android:textSize="25sp"
    android:textAlignment="center"
    android:textStyle="bold"
    android:textColor="#ffffff"
    android:paddingTop="24dp"
    android:background="#3B5998"
    android:layout_margin="12dp"/>
```

```
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1">
```

```
<TextView
    android:layout_width="match_parent"
    android:layout_height="80dp"
    android:text="YT"
    android:textSize="25sp"
    android:textAlignment="center"
    android:textStyle="bold"
    android:textColor="#ffffff"
    android:paddingTop="24dp"
    android:background="#c0392b"
    android:layout_margin="12dp"/>
```

```
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1">
```

```
<TextView
    android:layout_width="match_parent"
    android:layout_height="80dp"
    android:text="WEB"
    android:textSize="25sp"
    android:textAlignment="center"
    android:textStyle="bold"
    android:textColor="#ffffff"
    android:paddingTop="24dp"
    android:background="@color/colorPrimary"
```

```
        android:layout_margin="12dp"/>

    </LinearLayout>

</LinearLayout>

<!-- Credits Tag -->
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="RehanCodes @ 2017. All Right Reserved "
        android:textAlignment="center"
        android:textColor="#2c3e50"
        android:layout_marginTop="12dp"
        android:textSize="14sp"
        android:textStyle="bold"/>

</LinearLayout>

</LinearLayout>
```

XML Code of Activity 2:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_main2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context="com.example.buxomrehan.firstlayout.Main2Activity"
    android:orientation="vertical"
    android:weightSum="100">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
```

```
android:text="PHP COURSE TUTORIALS"  
android:textSize="22sp"  
android:textAlignment="center"  
android:textStyle="bold"  
android:layout_marginBottom="10dp"  
android:textColor="#8e44ad"/>
```

```
<ScrollView
```

```
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:scrollbars="none">
```

```
<!-- PHP Course Cards -->
```

```
<LinearLayout
```

```
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:weightSum="100"  
  android:orientation="vertical">
```

```
<LinearLayout
```

```
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:weightSum="100"  
  android:orientation="horizontal"  
  android:background="#ecf0f1"  
  android:layout_marginTop="20dp"  
  android:layout_weight="100"  
  android:onClick="gotoNextPage">
```

```
<LinearLayout
```

```
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:layout_weight="80">
```

```
<TextView
```

```
  android:layout_width="match_parent"  
  android:layout_height="match_parent"  
  android:text="01"  
  android:textSize="33sp"  
  android:textAlignment="center"  
  android:textStyle="bold"  
  android:textColor="ffffff"  
  android:background="#8e44ad"/>
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
android:layout_width="match_parent"  
android:layout_height="wrap_content"  
android:weightSum="100"  
android:orientation="horizontal"  
android:background="#ecf0f1"  
android:layout_marginTop="10dp"  
android:layout_weight="100">
```

```
<LinearLayout  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:layout_weight="80">
```

```
<TextView  
  android:layout_width="match_parent"  
  android:layout_height="match_parent"  
  android:text="04"  
  android:textSize="33sp"  
  android:textAlignment="center"  
  android:textStyle="bold"  
  android:textColor="#ffffff"  
  android:background="#8e44ad"/>
```

```
</LinearLayout>
```

```
<LinearLayout  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:layout_weight="20"  
  android:orientation="vertical">
```

```
<TextView  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:text="Writing First PHP file"  
  android:textSize="16sp"  
  android:textStyle="bold"  
  android:textColor="#2c3e50"  
  android:padding="10dp"/>
```

```
</LinearLayout>
```

```
</LinearLayout>
```

```
<LinearLayout  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:weightSum="100"
```

```
android:orientation="horizontal"  
android:background="#ecf0f1"  
android:layout_marginTop="10dp"  
android:layout_weight="100">
```

```
<LinearLayout  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:layout_weight="80">
```

```
<TextView  
  android:layout_width="match_parent"  
  android:layout_height="match_parent"  
  android:text="54"  
  android:textSize="33sp"  
  android:textAlignment="center"  
  android:textStyle="bold"  
  android:textColor="#ffffff"  
  android:background="#8e44ad"/>
```

```
</LinearLayout>
```

```
<LinearLayout  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:layout_weight="20"  
  android:orientation="vertical">
```

```
<TextView  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:text="Update Data in Database"  
  android:textSize="16sp"  
  android:textStyle="bold"  
  android:textColor="#2c3e50"  
  android:padding="10dp"/>
```

```
</LinearLayout>
```

```
</LinearLayout>
```

```
<!-- Social Tag -->
```

```
<LinearLayout  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content">
```

```
<TextView  
  android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"  
    android:text="Other Related Links"  
    android:background="#2c3e50"  
    android:textAlignment="center"  
    android:textColor="#ffffff"  
    android:padding="8dp"  
    android:layout_marginTop="12dp"  
    android:textSize="16sp"  
    android:textStyle="bold"/>
```

```
</LinearLayout>
```

```
<!-- Social Links Card -->
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:weightSum="3"  
    android:orientation="horizontal">
```

```
    <LinearLayout  
        android:layout_width="match_parent"  
        android:layout_height="wrap_content"  
        android:layout_weight="1">
```

```
        <TextView  
            android:layout_width="match_parent"  
            android:layout_height="80dp"  
            android:text="HTML"  
            android:textSize="22sp"  
            android:textAlignment="center"  
            android:textStyle="bold"  
            android:textColor="#ffffff"  
            android:paddingTop="24dp"  
            android:background="#2980b9"  
            android:layout_margin="12dp"/>
```

```
    </LinearLayout>
```

```
    <LinearLayout  
        android:layout_width="match_parent"  
        android:layout_height="wrap_content"  
        android:layout_weight="1">
```

```
        <TextView  
            android:layout_width="match_parent"  
            android:layout_height="80dp"  
            android:text="PS"  
            android:textSize="25sp"
```

```
        android:textAlignment="center"  
        android:textStyle="bold"  
        android:textColor="#ffffff"  
        android:paddingTop="24dp"  
        android:background="#c0392b"  
        android:layout_margin="12dp"/>
```

```
</LinearLayout>
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_weight="1">
```

```
    <TextView  
        android:layout_width="match_parent"  
        android:layout_height="80dp"  
        android:text="WEB"  
        android:textSize="25sp"  
        android:textAlignment="center"  
        android:textStyle="bold"  
        android:textColor="#ffffff"  
        android:paddingTop="24dp"  
        android:background="@color/colorPrimary"  
        android:layout_margin="12dp"/>
```

```
</LinearLayout>
```

```
</LinearLayout>
```

```
</LinearLayout>
```

```
</ScrollView>
```

```
</LinearLayout>
```

Java Code:

```
package com.example.buxomrehan.firstlayout;  
  
import android.content.Intent;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;
```



```
public class MainActivity extends AppCompatActivity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
    }  
  
    public void gotoNextPage(View view)  
    {  
        Intent nextPage = new Intent(MainActivity.this , Main2Activity.class);  
        startActivity(nextPage);  
    }  
}
```