

Android Implicit Intent Example

Following example shows the functionality of a Android Intent to launch various Android built-in applications.

Step Description

- 1 You will use Eclipse IDE to create an Android application and name it as *IntentDemo* under a package *com.example.intentdemo*. While creating this project, make sure you *Target SDK* and *Compile With* at the latest version of Android SDK to use higher levels of APIs.
- 2 Modify *src/MainActivity.java* file and add the code to define two listeners corresponding two buttons ie. Start Browser and Start Phone.
- 3 Modify layout XML file *res/layout/activity_main.xml* to add three buttons in linear layout.
- 4 Modify *res/values/strings.xml* to define required constant values
- 5 Run the application to launch Android emulator and verify the result of the changes done in the application.

Following is the content of the modified main activity file **src/com.example.intentdemo/MainActivity.java**.

```
package com.example.intentdemo;
```

```
import android.net.Uri;
import android.os.Bundle;
import android.app.Activity;
import android.content.Intent;
import android.view.Menu;
import android.view.View;
import android.widget.Button;
```

```
public class MainActivity extends Activity {
```

```
@Override
```

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

```
    Button startBrowser = (Button) findViewById (R.id.start_browser);  
    startBrowser.setOnClickListener(new View.OnClickListener() {  
        public void onClick(View view) {  
            Intent i = new Intent(android.content.Intent.ACTION_VIEW,  
                Uri.parse("http://www.example.com"));  
            startActivity(i);  
        }  
    });
```

```
    Button startPhone = (Button) findViewById(R.id.start_phone);  
    startPhone.setOnClickListener(new View.OnClickListener() {  
        public void onClick(View view) {  
            Intent i = new Intent(android.content.Intent.ACTION_VIEW,  
                Uri.parse("tel:9510300000"));  
            startActivity(i);  
        }  
    });
```

```
    Button startBrowser = (Button) findViewById (R.id.start_app);  
    startBrowser.setOnClickListener(new View.OnClickListener() {  
        public void onClick(View view) {  
            Intent i = new Intent(android.content.Intent.ACTION_SEND),  
                i.setType("text/plain");  
            i.putExtra(android.content.Intent.EXTRA_TEXT, "Some text on the application");  
            startActivity(i);  
        }  
    });
```

```
}
```

```
@Override
```

```
public boolean onCreateOptionsMenu(Menu menu) {  
    // Inflate the menu; this adds items to the action  
    // bar if it is present.
```

```

        getMenuInflater().inflate(R.menu.main, menu);
        return true;
    }

}

```

Following will be the content of **res/layout/activity_main.xml** file:

```

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <Button android:id="@+id/start_browser"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:text="@string/start_browser"/>

    <Button android:id="@+id/start_phone"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:text="@string/start_phone" />

    <Button android:id="@+id/start_app"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:text="@string/start_app" />

</LinearLayout>

```

Following will be the content of **res/values/strings.xml** to define two new constants:

```

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

    <string name="app_name">IntentDemo</string>
    <string name="action_settings">Settings</string>
    <string name="hello_world">Hello world!</string>
    <string name="start_browser">Start Browser</string>
    <string name="start_phone">Start Phone</string>

```

<string name="start_app">Start Application</string>

</resources>