Interface - Communicator.java

**package** com.example.jevitha.a18\_2\_fragment\_communication;

**public interface** Communicator {

**public void** respond(**int** id);

}

Activity\_main.xml

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

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

**android:orientation="vertical"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**android:background="#0000FF"**>

<**fragment**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:name="com.example.jevitha.a18\_2\_fragment\_communication.MenuFragment"**

**android:id="@+id/menufragment"** />

<**fragment**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:name="com.example.jevitha.a18\_2\_fragment\_communication.TextFragment"**

**android:id="@+id/textfragment"** />

</**LinearLayout**>

MainActivity.java

**package** com.example.jevitha.a18\_2\_fragment\_communication;

**import** android.app.FragmentManager;

**import** android.support.v7.app.AppCompatActivity;

**import** android.os.Bundle;

**public class** MainActivity **extends** AppCompatActivity **implements** Communicator {

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

}

@Override

**public void** respond(**int** data) {

FragmentManager manager = getFragmentManager();

TextFragment frag = (TextFragment)manager.

findFragmentById(R.id.***textfragment***);

frag.change(data);

}

}

Fragment\_menu.xml

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

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

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**android:background="#FFCC00"**>

<**ListView**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/listView"**

**android:layout\_alignParentLeft="true"**

**android:layout\_alignParentStart="true"**

**android:layout\_alignParentTop="true"** />

</**RelativeLayout**>

MainFragment.java

**package** com.example.jevitha.a18\_2\_fragment\_communication;

**import** android.app.Activity;

**import** android.content.Context;

**import** android.net.Uri;

**import** android.os.Bundle;

**import** android.app.Fragment;

**import** android.view.LayoutInflater;

**import** android.view.View;

**import** android.view.ViewGroup;

**import** android.widget.AdapterView;

**import** android.widget.ArrayAdapter;

**import** android.widget.ListView;

**public class** MenuFragment **extends** Fragment **implements** AdapterView.OnItemClickListener{

**private** ListView **list**;

**private** Communicator **comm**;

**public void** onAttach(Activity activity) {

**super**.onAttach(activity);

**comm** = (Communicator)activity;

}

@Override

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

**return** inflater.inflate(R.layout.***fragment\_menu***, container, **false**);

}

@Override

**public void** onActivityCreated(Bundle savedInstanceState) {

**super**.onActivityCreated(savedInstanceState);

**list** = (ListView) getActivity().findViewById(R.id.***listView***);

ArrayAdapter adapter = ArrayAdapter.*createFromResource*(getActivity(),R.array.***OS***,android.R.layout.***simple\_list\_item\_1***);

**list**.setAdapter(adapter);

**list**.setOnItemClickListener(**this**);

}

@Override

**public void** onItemClick(AdapterView<?> parent, View view, **int** position, **long** id) {

**comm**.respond(position);

}

}

Fragement\_text.xml

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

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

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**android:layout\_marginTop="20dp"**

**android:background="#00FF00"**>

<**TextView**

**android:layout\_width="wrap\_content"**

**android:layout\_height="match\_parent"**

**android:textAppearance="?android:attr/textAppearanceLarge"**

**android:text="Version"**

**android:id="@+id/textView"**

**android:paddingTop="20dp"**

**android:layout\_alignParentTop="true"**

**android:layout\_alignParentLeft="true"**

**android:layout\_alignParentStart="true"** />

</**RelativeLayout**>

TextFragment.java

**public class** TextFragment **extends** Fragment {

**private** TextView **text**;

**private** Activity **activity**;

*// public void onAttach(Activity activity){*

*// super.onAttach(activity);*

*// this.activity = activity;*

*// }*

@Override

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

**return** inflater.inflate(R.layout.***fragment\_text***, container, **false**);

}

*// @Override*

*// public void onActivityCreated(Bundle savedInstanceState) {*

*// super.onActivityCreated(savedInstanceState);*

*// text = (TextView) activity.findViewById(R.id.textView);*

*// }*

**public void** change(**int** data){

**text** = getActivity().findViewById(R.id.***textView***);

Resources res = getResources();

String[] desc = res.getStringArray(R.array.***versiom***);

**text**.setText(desc[data]);

}

}

Strings.xml

<**resources**>

<**string name="app\_name"**>18\_2\_Fragment\_communication</**string**>

*<!--* ***TODO: Remove or change this placeholder text*** *-->*

<**string name="hello\_blank\_fragment"**>Hello blank fragment</**string**>

<**string-array name="OS"**>

<**item**>Cupcake</**item**>

<**item**>Donut</**item**>

<**item**>Eclair</**item**>

<**item**>Froyo</**item**>

<**item**>GingerBread</**item**>

</**string-array**>

<**string-array name="versiom"**>

<**item**>Version 1.5 </**item**>

<**item**>Version 1.6 </**item**>

<**item**>Version 2.0</**item**>

<**item**>Version 2.2</**item**>

<**item**>Version 2.3 </**item**>

</**string-array**>

</**resources**>