## 📁 Contents of ./

📝 Java File: ./java/DetailFragment.java

package com.example.tp2\_ex2;  
  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.TextView;  
import androidx.fragment.app.Fragment;  
  
public class DetailFragment extends Fragment {  
 private TextView nameTextView, profileTextView;  
  
 public DetailFragment() {  
 // Required empty public constructor  
 }  
  
 @Override  
 public View onCreateView(LayoutInflater inflater, ViewGroup container,  
 Bundle savedInstanceState) {  
 View view = inflater.inflate(R.layout.fragment\_detail, container, false);  
   
 nameTextView = view.findViewById(R.id.nameTextView);  
 profileTextView = view.findViewById(R.id.profileTextView);  
   
 return view;  
 }  
   
 // Function to update details (with 2 parameters as required)  
 public void updateDetails(String name, String profile) {  
 nameTextView.setText("Name: " + name);  
 profileTextView.setText("Profile: " + profile);  
 }  
}

📝 Java File: ./java/ListFragment.java

package com.example.tp2\_ex2;  
  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.ListView;  
import androidx.fragment.app.Fragment;  
  
public class ListFragment extends Fragment {  
 private ListView listView;  
 private String[] names = {"Fadi", "Pierre", "Roza", "Mira", "Jean"};  
 private String[] profiles = {"Admin", "User", "Student", "Employee", "Teacher"};  
  
 public ListFragment() {  
 // Required empty public constructor  
 }  
  
 @Override  
 public View onCreateView(LayoutInflater inflater, ViewGroup container,  
 Bundle savedInstanceState) {  
 View view = inflater.inflate(R.layout.fragment\_list, container, false);  
   
 listView = view.findViewById(R.id.listView);  
 ArrayAdapter<String> adapter = new ArrayAdapter<>(  
 getActivity(),   
 android.R.layout.simple\_list\_item\_1,   
 names);  
 listView.setAdapter(adapter);  
   
 listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
 @Override  
 public void onItemClick(AdapterView<?> parent, View view, int position, long id) {  
 String selectedName = names[position];  
 String selectedProfile = profiles[position];  
   
 // Get the DetailFragment instance  
 DetailFragment detailFragment = (DetailFragment) getFragmentManager()  
 .findFragmentById(R.id.detailFragment);  
   
 // Call the function to update details  
 if (detailFragment != null) {  
 detailFragment.updateDetails(selectedName, selectedProfile);  
 }  
 }  
 });  
   
 return view;  
 }  
}

📝 Java File: ./java/MainActivity.java

package com.example.tp2\_ex2;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
 }  
}

📋 XML File: ./xml/activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:orientation="horizontal" android:weightSum="2">  
  
 <fragment android:id="@+id/listFragment" android:name="com.example.tp2\_ex2.ListFragment" android:layout\_width="0dp" android:layout\_height="match\_parent" android:layout\_weight="1" />  
  
 <fragment android:id="@+id/detailFragment" android:name="com.example.tp2\_ex2.DetailFragment" android:layout\_width="0dp" android:layout\_height="match\_parent" android:layout\_weight="1" />  
</LinearLayout>

📋 XML File: ./xml/fragment\_detail.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:orientation="vertical" android:padding="16dp">  
  
 <TextView android:id="@+id/nameTextView" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:textSize="18sp" android:textStyle="bold" />  
  
 <TextView android:id="@+id/profileTextView" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_marginTop="8dp" android:textSize="16sp" />  
</LinearLayout>

📋 XML File: ./xml/fragment\_list.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:orientation="vertical">  
  
 <ListView android:id="@+id/listView" android:layout\_width="match\_parent" android:layout\_height="match\_parent" />  
</LinearLayout>