## 📁 Contents of ./

📝 Java File: ./java/Fragment1.java

// Fragment1.java  
package com.example.tp2\_ex3;  
  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
import androidx.fragment.app.Fragment;  
import androidx.fragment.app.FragmentManager;  
import androidx.fragment.app.FragmentTransaction;  
  
public class Fragment1 extends Fragment {  
  
 private EditText firstNameEditText, lastNameEditText;  
  
 public Fragment1() {  
 // Required empty public constructor  
 }  
  
 @Override  
 public View onCreateView(LayoutInflater inflater, ViewGroup container,  
 Bundle savedInstanceState) {  
 // Inflate the layout for this fragment  
 View view = inflater.inflate(R.layout.fragment\_1, container, false);  
  
 firstNameEditText = view.findViewById(R.id.editTextFirstName);  
 lastNameEditText = view.findViewById(R.id.editTextLastName);  
 Button submitButton = view.findViewById(R.id.buttonSubmit);  
  
 submitButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String firstName = firstNameEditText.getText().toString().trim();  
 String lastName = lastNameEditText.getText().toString().trim();  
  
 if(firstName.isEmpty() || lastName.isEmpty()){  
 Toast.makeText(getActivity(), "Please enter both first and last name", Toast.LENGTH\_SHORT).show();  
 return;  
 }  
  
 // Create Fragment2 instance  
 Fragment2 fragment2 = new Fragment2();  
  
 // Create bundle and put data  
 Bundle bundle = new Bundle();  
 bundle.putString("firstName", firstName);  
 bundle.putString("lastName", lastName);  
 fragment2.setArguments(bundle);  
  
 // Replace Fragment1 with Fragment2  
 FragmentManager fragmentManager = getActivity().getSupportFragmentManager();  
 FragmentTransaction fragmentTransaction = fragmentManager.beginTransaction();  
 fragmentTransaction.replace(R.id.fragment\_container, fragment2);  
 fragmentTransaction.addToBackStack(null); // Optional: allows back navigation  
 fragmentTransaction.commit();  
 }  
 });  
  
 return view;  
 }  
}

📝 Java File: ./java/Fragment2.java

// Fragment2.java  
package com.example.tp2\_ex3;  
  
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 Fragment2 extends Fragment {  
  
 private TextView firstNameTextView, lastNameTextView;  
  
 public Fragment2() {  
 // Required empty public constructor  
 }  
  
 @Override  
 public View onCreateView(LayoutInflater inflater, ViewGroup container,  
 Bundle savedInstanceState) {  
 // Inflate the layout for this fragment  
 View view = inflater.inflate(R.layout.fragment\_2, container, false);  
  
 TextView titleTextView = view.findViewById(R.id.textViewTitle);  
 firstNameTextView = view.findViewById(R.id.textViewFirstName);  
 lastNameTextView = view.findViewById(R.id.textViewLastName);  
  
 // Get data from bundle  
 Bundle bundle = getArguments();  
 if (bundle != null) {  
 String firstName = bundle.getString("firstName", "");  
 String lastName = bundle.getString("lastName", "");  
   
 firstNameTextView.setText("First Name: " + firstName);  
 lastNameTextView.setText("Last Name: " + lastName);  
 }  
  
 return view;  
 }  
}

📝 Java File: ./java/MainActivity.java

// MainActivity.java  
package com.example.tp2\_ex3;  
  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.fragment.app.FragmentManager;  
import androidx.fragment.app.FragmentTransaction;  
  
import android.os.Bundle;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
  
 // Add Fragment1 to the activity  
 FragmentManager fragmentManager = getSupportFragmentManager();  
 FragmentTransaction fragmentTransaction = fragmentManager.beginTransaction();  
 fragmentTransaction.add(R.id.fragment\_container, new Fragment1());  
 fragmentTransaction.commit();  
 }  
}

📋 XML File: ./xml/activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>  
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android" android:id="@+id/fragment\_container" android:layout\_width="match\_parent" android:layout\_height="match\_parent" />

📋 XML File: ./xml/fragment\_1.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:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="This is the first Fragment" android:textSize="20sp" android:layout\_gravity="center\_horizontal" android:layout\_marginBottom="20dp"/>  
  
 <EditText android:id="@+id/editTextFirstName" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:hint="First Name" android:layout\_marginBottom="10dp"/>  
  
 <EditText android:id="@+id/editTextLastName" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:hint="Last Name" android:layout\_marginBottom="20dp"/>  
  
 <Button android:id="@+id/buttonSubmit" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Submit" android:layout\_gravity="center\_horizontal"/>  
</LinearLayout>

📋 XML File: ./xml/fragment\_2.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/textViewTitle" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="This is the second Fragment" android:textSize="20sp" android:layout\_gravity="center\_horizontal" android:layout\_marginBottom="20dp"/>  
  
 <TextView android:id="@+id/textViewFirstName" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="First Name: " android:textSize="16sp" android:layout\_marginBottom="10dp"/>  
  
 <TextView android:id="@+id/textViewLastName" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Last Name: " android:textSize="16sp"/>  
</LinearLayout>