Lab-04

Mainactivity.java

package com.example.fourthpractice;

import android.os.Bundle;

import android.view.View;

import android.widget.FrameLayout;

import androidx.activity.EdgeToEdge;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.graphics.Insets;

import androidx.core.view.ViewCompat;

import androidx.core.view.WindowInsetsCompat;

import androidx.fragment.app.FragmentManager;

import androidx.fragment.app.FragmentTransaction;

public class MainActivity extends AppCompatActivity {

FragmentOne f1 = new FragmentOne();

FragmentTwo f2 = new FragmentTwo();

int showing = 0;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

FragmentManager fm = getSupportFragmentManager();

FragmentTransaction ft = fm.beginTransaction();

ft.add(R.id.frameLayout, f1);

ft.commit();

showing = 1;

}

public void switchFragment(View view) {

FragmentManager fm = getSupportFragmentManager();

FragmentTransaction ft = fm.beginTransaction();

if (showing == 1) {

ft.replace(R.id.frameLayout, f2);

showing = 2;

} else {

ft.replace(R.id.frameLayout, f1);

showing = 1;

}

ft.commit();

}

}

Fragmentone.java

package com.example.fourthpractice;

import android.os.Bundle;

import android.view.View;

import android.widget.FrameLayout;

import androidx.activity.EdgeToEdge;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.graphics.Insets;

import androidx.core.view.ViewCompat;

import androidx.core.view.WindowInsetsCompat;

import androidx.fragment.app.FragmentManager;

import androidx.fragment.app.FragmentTransaction;

public class MainActivity extends AppCompatActivity {

FragmentOne f1 = new FragmentOne();

FragmentTwo f2 = new FragmentTwo();

int showing = 0;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

FragmentManager fm = getSupportFragmentManager();

FragmentTransaction ft = fm.beginTransaction();

ft.add(R.id.frameLayout, f1);

ft.commit();

showing = 1;

}

public void switchFragment(View view) {

FragmentManager fm = getSupportFragmentManager();

FragmentTransaction ft = fm.beginTransaction();

if (showing == 1) {

ft.replace(R.id.frameLayout, f2);

showing = 2;

} else {

ft.replace(R.id.frameLayout, f1);

showing = 1;

}

ft.commit();

}

}

FragmentTwo.java

package com.example.fourthpractice;

import android.os.Bundle;

import androidx.fragment.app.Fragment;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

/\*\*

\* A simple {@link Fragment} subclass.

\* Use the {@link FragmentTwo#newInstance} factory method to

\* create an instance of this fragment.

\*/

public class FragmentTwo extends Fragment {

// TODO: Rename parameter arguments, choose names that match

// the fragment initialization parameters, e.g. ARG\_ITEM\_NUMBER

private static final String ARG\_PARAM1 = "param1";

private static final String ARG\_PARAM2 = "param2";

// TODO: Rename and change types of parameters

private String mParam1;

private String mParam2;

public FragmentTwo() {

// Required empty public constructor

}

/\*\*

\* Use this factory method to create a new instance of

\* this fragment using the provided parameters.

\*

\* @param param1 Parameter 1.

\* @param param2 Parameter 2.

\* @return A new instance of fragment FragmentTwo.

\*/

// TODO: Rename and change types and number of parameters

public static FragmentTwo newInstance(String param1, String param2) {

FragmentTwo fragment = new FragmentTwo();

Bundle args = new Bundle();

args.putString(ARG\_PARAM1, param1);

args.putString(ARG\_PARAM2, param2);

fragment.setArguments(args);

return fragment;

}

@Override

public void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

if (getArguments() != null) {

mParam1 = getArguments().getString(ARG\_PARAM1);

mParam2 = getArguments().getString(ARG\_PARAM2);

}

}

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

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

}

}

Activity\_main.xml

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

<androidx.constraintlayout.widget.ConstraintLayout 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/main"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:id="@+id/textView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Fragments"

android:textSize="34sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.457"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.039" />

<FrameLayout

android:id="@+id/frameLayout"

android:layout\_width="408dp"

android:layout\_height="493dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.333"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.386">

</FrameLayout>

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:onClick="switchFragment"

android:text="Change Fragment"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.497"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.92" />

</androidx.constraintlayout.widget.ConstraintLayout>

Fragmentone.xml

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

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

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".FragmentOne">

<!-- TODO: Update blank fragment layout -->

<TextView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:text="Fragment 1"

android:textColor="#E50909"

android:textColorLink="#B31206"

android:textSize="34sp" />

</FrameLayout>

Fragmenttwo.xml

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

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

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".FragmentTwo">

<!-- TODO: Update blank fragment layout -->

<TextView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:text="Fragment 2"

android:textColor="#25049B"

android:textSize="34sp" />

</FrameLayout>