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Lab 8

Fragments

1.activitymain2.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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/rail2"  
 tools:context=".MainActivity2">  
  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="136dp"  
 android:layout\_height="60dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginBottom="8dp"  
 android:textAlignment="center"  
 android:textColor="#03A9F4"  
 android:textSize="24sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.509"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.285" />  
  
 <TextView  
 android:id="@+id/textView5"  
 android:layout\_width="131dp"  
 android:layout\_height="54dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginBottom="8dp"  
 android:text="WELCOME "  
 android:textColor="#03A9F4"  
 android:textSize="24sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.155" />  
  
 <FrameLayout  
 android:id="@+id/frameLayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_above="@id/bottom\_nav"  
 tools:layout\_editor\_absoluteX="-44dp"  
 tools:layout\_editor\_absoluteY="201dp" />  
  
 <com.google.android.material.bottomnavigation.BottomNavigationView  
 android:id="@+id/bottom\_nav"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:background="?android:attr/windowBackground"  
 app:layout\_constraintBottom\_toBottomOf="@+id/frameLayout"  
 app:menu="@menu/menu\_two"  
 tools:layout\_editor\_absoluteX="38dp" />  
   
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

2.menu\_two.java

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android">  
  
 <item android:title="Home"  
 android:icon="@drawable/ic\_home"  
 android:id="@+id/home"/>  
 <item android:title="Profile"  
 android:icon="@drawable/ic\_person"  
 android:id="@+id/profile"/>  
 <!-- <item android:title="Trans"-->  
 <!-- android:icon="@drawable/ic\_list" />-->  
 <item android:title="Settings"  
 android:icon="@drawable/ic\_settings"  
 android:id="@+id/settings"/>  
</menu>

3. Mainactivity2.java

package com.example.intents;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.fragment.app.Fragment;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
  
import com.google.android.material.bottomnavigation.BottomNavigationView;  
import com.google.android.material.navigation.NavigationBarView;  
  
public class MainActivity2 extends AppCompatActivity {  
 Button button2;  
 TextView textView4;  
 String valFromAct1;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main2*);  
 button2=(Button)findViewById(R.id.*button2*);  
 textView4=(TextView)findViewById(R.id.*textView4*);  
 BottomNavigationView bottomNav = findViewById(R.id.*bottom\_nav*);  
 bottomNav.setOnItemReselectedListener(navListener);  
 getSupportFragmentManager().beginTransaction().replace(R.id.*frameLayout*,new Fragment()).commit();  
  
 valFromAct1= getIntent().getExtras().getString("Value");  
 textView4.setText(valFromAct1);  
 }  
  
 private NavigationBarView.OnItemReselectedListener navListener = new NavigationBarView.OnItemReselectedListener() {  
 @Override  
 public void onNavigationItemReselected(@NonNull MenuItem item) {  
 Fragment selectedFragment = null;  
  
 switch (item.getItemId()) {  
 case R.id.*home*:  
 selectedFragment = new HomeFragment();  
 break;  
  
 case R.id.*profile*:  
 selectedFragment = new ProfileFragment();  
 break;  
  
 case R.id.*settings*:  
 selectedFragment = new SettingsFragment();  
 break;  
 }  
  
 getSupportFragmentManager().beginTransaction().replace(R.id.*frameLayout*, selectedFragment).commit();  
  
  
 }  
 };  
  
 public void btnClickAct2(View view) {  
 Intent i=new Intent(this,MainActivity3.class);  
 startActivity(i);  
// finish();  
 }  
  
 public void btnClickAct3(View view) {  
 Intent l = new Intent(this, booktickets.class);  
 startActivity(l);  
// finish();  
 }  
  
 public void btnClickAct4(View view) {  
 Intent f = new Intent(this, webview.class);  
 startActivity(f);  
// finish();  
 }  
  
 public void btnClickAct5(View view) {  
 Intent a = new Intent(this, listview.class);  
 startActivity(a);  
 }  
}

4. fragment\_profile.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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/rail2">  
  
 <TextView  
 android:id="@+id/textView1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:text="Profile"  
 android:textAlignment="center"  
 android:textColor="#0571C6"  
 android:textSize="30sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.16" />  
  
 <ImageView  
 android:id="@+id/imageView"  
 android:layout\_width="77dp"  
 android:layout\_height="64dp"  
 android:layout\_marginStart="163dp"  
 android:layout\_marginTop="29dp"  
 android:layout\_marginEnd="171dp"  
 android:layout\_marginBottom="15dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/textView1"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:srcCompat="@drawable/istockphoto" />  
  
 <TextView  
 android:id="@+id/name"  
 android:layout\_width="62dp"  
 android:layout\_height="23dp"  
 android:text="Name"  
 android:textColor="#0571C6"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.28"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.255" />  
  
 <TextView  
 android:id="@+id/email"  
 android:layout\_width="82dp"  
 android:layout\_height="26dp"  
 android:text="EmaiId"  
 android:textColor="#0571C6"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.258"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.381" />  
  
 <TextView  
 android:id="@+id/username"  
 android:layout\_width="109dp"  
 android:layout\_height="30dp"  
 android:text="Username"  
 android:textColor="#0571C6"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.208"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.322" />  
  
 <TextView  
 android:id="@+id/phone"  
 android:layout\_width="92dp"  
 android:layout\_height="24dp"  
 android:text="Phone No"  
 android:textColor="#0571C6"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.197"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.442" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="31dp"  
 android:layout\_marginEnd="177dp"  
 android:layout\_marginBottom="25dp"  
 android:text="Bikash Gupta"  
 android:textColor="#0571C6"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toTopOf="@+id/textView3"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toEndOf="@+id/name"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView1"  
 app:layout\_constraintVertical\_bias="0.571" />  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="4dp"  
 android:layout\_marginBottom="25dp"  
 android:text="bikash787"  
 android:textColor="#0571C6"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.547"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.332" />  
  
 <TextView  
 android:id="@+id/textView11"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="31dp"  
 android:layout\_marginTop="25dp"  
 android:text="bikashgupta787@gmail.com"  
 android:textColor="#0571C6"  
 android:textSize="16sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.828"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.356" />  
  
 <TextView  
 android:id="@+id/textView12"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="9348462044"  
 android:textColor="#0571C6"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.609"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView11"  
 app:layout\_constraintVertical\_bias="0.053" />  
  
 <ImageView  
 android:id="@+id/imageView3"  
 android:layout\_width="59dp"  
 android:layout\_height="51dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.914"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.814"  
 app:srcCompat="@drawable/edit" />  
  
 <TextView  
 android:id="@+id/textView13"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Edit Profile"  
 android:textColor="#F1E2E2"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.948"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.735" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

5. ProfileFragment.java

package com.example.intents;  
  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
  
import androidx.annotation.NonNull;  
import androidx.annotation.Nullable;  
import androidx.fragment.app.Fragment;  
  
public class ProfileFragment extends Fragment {  
 @Nullable  
 @Override  
 public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {  
 return inflater.inflate(R.layout.*fragment\_profile*, container, false);  
 }  
}

6. fragment\_home.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"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/rail2">  
  
  
 <Button  
 android:id="@+id/button4"  
 android:layout\_width="127dp"  
 android:layout\_height="80dp"  
 android:text="Book Tickets"  
 android:textSize="18sp"  
 android:onClick="btnClickAct3"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.126"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.37" />  
  
 <Button  
 android:id="@+id/button2"  
 android:layout\_width="207dp"  
 android:layout\_height="86dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginBottom="8dp"  
 android:onClick="btnClickAct2"  
 android:text="CONTACT US"  
 android:textSize="24sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.863" />  
  
<!-- <TextView-->  
<!-- android:id="@+id/textView4"-->  
<!-- android:layout\_width="136dp"-->  
<!-- android:layout\_height="60dp"-->  
<!-- android:layout\_marginStart="8dp"-->  
<!-- android:layout\_marginTop="8dp"-->  
<!-- android:layout\_marginEnd="8dp"-->  
<!-- android:layout\_marginBottom="8dp"-->  
<!-- android:textColor="#03A9F4"-->  
<!-- android:textSize="24sp"-->  
<!-- android:textStyle="bold"-->  
<!-- app:layout\_constraintBottom\_toBottomOf="parent"-->  
<!-- app:layout\_constraintEnd\_toEndOf="parent"-->  
<!-- app:layout\_constraintHorizontal\_bias="0.768"-->  
<!-- app:layout\_constraintStart\_toStartOf="parent"-->  
<!-- app:layout\_constraintTop\_toTopOf="parent"-->  
<!-- app:layout\_constraintVertical\_bias="0.012" />-->  
  
<!-- <TextView-->  
<!-- android:id="@+id/textView5"-->  
<!-- android:layout\_width="131dp"-->  
<!-- android:layout\_height="54dp"-->  
<!-- android:layout\_marginStart="8dp"-->  
<!-- android:layout\_marginTop="8dp"-->  
<!-- android:layout\_marginEnd="8dp"-->  
<!-- android:layout\_marginBottom="8dp"-->  
<!-- android:text="WELCOME "-->  
<!-- android:textColor="#03A9F4"-->  
<!-- android:textSize="24sp"-->  
<!-- android:textStyle="bold"-->  
<!-- app:layout\_constraintBottom\_toBottomOf="parent"-->  
<!-- app:layout\_constraintEnd\_toEndOf="parent"-->  
<!-- app:layout\_constraintHorizontal\_bias="0.189"-->  
<!-- app:layout\_constraintStart\_toStartOf="parent"-->  
<!-- app:layout\_constraintTop\_toTopOf="parent"-->  
<!-- app:layout\_constraintVertical\_bias="0.012" />-->  
  
 <Button  
 android:id="@+id/button3"  
 android:layout\_width="127dp"  
 android:layout\_height="80dp"  
 android:text="Find Trains"  
 android:textSize="18sp"  
 android:onClick="btnClickAct5"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.816"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.37" />  
  
 <Button  
 android:id="@+id/button5"  
 android:layout\_width="127dp"  
 android:layout\_height="80dp"  
 android:text="Live Status"  
 android:textSize="18sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.112"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.576" />  
  
 <Button  
 android:id="@+id/button6"  
 android:layout\_width="127dp"  
 android:layout\_height="80dp"  
 android:text="PNR Status"  
 android:onClick="btnClickAct4"  
 android:textSize="18sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.816"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.576" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

7.HomeFragment.java

package com.example.intents;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.Button;  
  
import androidx.annotation.NonNull;  
import androidx.annotation.Nullable;  
import androidx.fragment.app.Fragment;  
  
public class HomeFragment extends Fragment {  
 @Nullable  
 @Override  
 public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {  
 return inflater.inflate(R.layout.*fragment\_home*, container, false);  
 }  
  
 Button button2;  
  
 @Override  
 public void onViewCreated(View view, @Nullable Bundle savedInstanceState) {  
 super.onViewCreated(view, savedInstanceState);  
  
 button2=(Button)getActivity().findViewById(R.id.*button2*);  
  
 }  
  
 public void btnClickAct2(View view) {  
 Intent i=new Intent(getActivity().getApplicationContext(),MainActivity3.class);  
 startActivity(i);  
// finish();  
 }  
  
 public void btnClickAct3(View view) {  
 Intent l = new Intent(getActivity().getApplicationContext(), booktickets.class);  
 startActivity(l);  
// finish();  
 }  
  
 public void btnClickAct4(View view) {  
 Intent f = new Intent(getActivity().getApplicationContext(), webview.class);  
 startActivity(f);  
// finish();  
 }  
  
 public void btnClickAct5(View view) {  
 Intent a = new Intent(getActivity().getApplicationContext(), listview.class);  
 startActivity(a);  
 }  
}

8. fragment\_settings.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/rail2">  
  
 <ImageView  
 android:id="@+id/imageView5"  
 android:layout\_width="97dp"  
 android:layout\_height="72dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="154dp"  
 android:layout\_marginBottom="632dp"  
 app:srcCompat="@drawable/ic\_baseline\_settings\_24" />  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="129dp"  
 android:layout\_height="73dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="132dp"  
 android:layout\_marginBottom="545dp"  
 android:text="Settings"  
 android:textAlignment="center"  
 android:textColor="#0571C6"  
 android:textSize="30sp"  
 android:textStyle="bold" />  
</RelativeLayout>

9.SettingsFragment.java

package com.example.intents;  
  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
  
import androidx.annotation.NonNull;  
import androidx.annotation.Nullable;  
import androidx.fragment.app.Fragment;  
  
public class SettingsFragment extends Fragment {  
 @Nullable  
 @Override  
 public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {  
 return inflater.inflate(R.layout.*fragment\_settings*, container, false);  
 }  
}