MainActivity

package com.example.labs35

import android.os.Bundle

import androidx.activity.enableEdgeToEdge

import androidx.appcompat.app.AppCompatActivity

import androidx.core.view.ViewCompat

import androidx.core.view.WindowInsetsCompat

class MainActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

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

}

}

First Fragment

package com.example.labs35  
  
import android.os.Bundle  
import androidx.fragment.app.Fragment  
import android.view.LayoutInflater  
import android.view.View  
import android.view.ViewGroup  
import androidx.navigation.fragment.findNavController  
import com.example.labs35.databinding.FragmentFirstBinding  
  
class FirstFragment : Fragment() {  
  
 private lateinit var binding: FragmentFirstBinding  
  
 override fun onCreateView(  
 inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?  
 ): View {  
 binding = FragmentFirstBinding.inflate(inflater, container, false)  
 return binding.*root* }  
  
 override fun onViewCreated(view: View, savedInstanceState: Bundle?) {  
 super.onViewCreated(view, savedInstanceState)  
  
 binding.buttonSendNew.setOnClickListener **{** *findNavController*().navigate(R.id.*action\_firstFragment\_to\_thirdFragment*)  
 **}** binding.buttonInbox.setOnClickListener **{** *findNavController*().navigate(R.id.*action\_firstFragment\_to\_secondFragment*)  
 **}** }  
}

Second Fragment

package com.example.labs35

import android.os.Bundle

import androidx.fragment.app.Fragment

import android.view.LayoutInflater

import android.view.View

import android.view.ViewGroup

import android.widget.ArrayAdapter

import com.example.labs35.databinding.FragmentSecondBinding

class SecondFragment : Fragment() {

private lateinit var binding: FragmentSecondBinding

override fun onCreateView(

inflater: LayoutInflater, container: ViewGroup?,

savedInstanceState: Bundle?

): View {

binding = FragmentSecondBinding.inflate(inflater, container, false)

return binding.*root*

}

override fun onViewCreated(view: View, savedInstanceState: Bundle?) {

super.onViewCreated(view, savedInstanceState)

val messages = *listOf*(

"Message 1: Meeting at 10 AM",

"Message 2: Project Update",

"Message 3: Lunch",

"Message 4: University meeting",

"Message 5: Happy Birthday Party"

)

val adapter = ArrayAdapter(requireContext(), android.R.layout.*simple\_list\_item\_1*, messages)

binding.listViewMessages.*adapter* = adapter

}

}

Third Fragment

package com.example.labs35

import android.os.Bundle

import androidx.fragment.app.Fragment

import android.view.LayoutInflater

import android.view.View

import android.view.ViewGroup

import com.example.labs35.databinding.FragmentThirdBinding

class ThirdFragment : Fragment() {

private lateinit var binding: FragmentThirdBinding

override fun onCreateView(

inflater: LayoutInflater, container: ViewGroup?,

savedInstanceState: Bundle?): View {

binding = FragmentThirdBinding.inflate(inflater, container, false)

return binding.*root*

}

override fun onViewCreated(view: View, savedInstanceState: Bundle?) {

super.onViewCreated(view, savedInstanceState)

binding.sendButton.setOnClickListener **{**

val recipient = binding.recipientEditText.*text*.toString()

val subject = binding.subjectEditText.*text*.toString()

val body = binding.bodyEditText.*text*.toString()

**}**

}

}

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:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<androidx.fragment.app.FragmentContainerView

android:id="@+id/nav\_host\_fragment"

android:name="androidx.navigation.fragment.NavHostFragment"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

app:navGraph="@navigation/nav\_graph"

app:defaultNavHost="true" />

</androidx.constraintlayout.widget.ConstraintLayout>

Fragment\_first.xml

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#E0E0E0"

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

tools:context=".FirstFragment">

<LinearLayout

android:orientation="vertical"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="16dp"

android:gravity="center">

<TextView

android:id="@+id/mailboxInfo"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Gmailbox: demkovdanil4@gmail.com"

android:textSize="20sp"

android:paddingBottom="16dp"/>

<Button

android:id="@+id/buttonInbox"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Inbox"

android:padding="8dp"/>

<Button

android:id="@+id/buttonSendNew"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Send New Email"

android:padding="8dp"

android:layout\_marginTop="16dp"/>

</LinearLayout>

</FrameLayout>

Fragment\_second.xml

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#FFFFFF"

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

tools:context=".SecondFragment">

<LinearLayout

android:orientation="vertical"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="16dp"

android:gravity="center\_horizontal">

<TextView

android:id="@+id/inboxTitle"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Inbox"

android:textSize="24sp"

android:paddingBottom="16dp"/>

<ListView

android:id="@+id/listViewMessages"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="16dp"

android:divider="@android:color/darker\_gray"

android:dividerHeight="1dp"

android:background="#f0f0f0"/>

</LinearLayout>

</FrameLayout>

Fragment\_third.xml

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#F5F5F5"

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

tools:context=".ThirdFragment">

<LinearLayout

android:orientation="vertical"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="16dp"

android:gravity="center\_horizontal">

<TextView

android:id="@+id/newMailTitle"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="New Email"

android:textSize="24sp"

android:paddingBottom="16dp"/>

<EditText

android:id="@+id/recipientEditText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Recipient"/>

<EditText

android:id="@+id/subjectEditText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Subject"/>

<EditText

android:id="@+id/bodyEditText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Message body"

android:minHeight="150dp"/>

<Button

android:id="@+id/sendButton"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Send"

android:layout\_marginTop="16dp"/>

</LinearLayout>

</FrameLayout>

Nav\_graph.xml

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

<navigation 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/nav\_graph"

app:startDestination="@id/firstFragment">

<fragment

android:id="@+id/firstFragment"

android:name="com.example.labs35.FirstFragment"

android:label="fragment\_first"

tools:layout="@layout/fragment\_first" >

<action

android:id="@+id/action\_firstFragment\_to\_secondFragment"

app:destination="@id/secondFragment" />

<action

android:id="@+id/action\_firstFragment\_to\_thirdFragment"

app:destination="@id/thirdFragment" />

</fragment>

<fragment

android:id="@+id/secondFragment"

android:name="com.example.labs35.SecondFragment"

android:label="fragment\_second"

tools:layout="@layout/fragment\_second" >

<action

android:id="@+id/action\_secondFragment\_to\_thirdFragment"

app:destination="@id/thirdFragment" />

<action

android:id="@+id/action\_secondFragment\_to\_thirdFragment2"

app:destination="@id/thirdFragment" />

</fragment>

<fragment

android:id="@+id/thirdFragment"

android:name="com.example.labs35.ThirdFragment"

android:label="fragment\_third"

tools:layout="@layout/fragment\_third" />

</navigation>

Builtgradlekts app

plugins **{**

alias(*libs*.*plugins*.*android*.*application*)

alias(*libs*.*plugins*.*kotlin*.*android*)

**}**

*android* **{**

namespace = "com.example.labs35"

compileSdk = 34

defaultConfig **{**

applicationId = "com.example.labs35"

minSdk = 27

targetSdk = 34

versionCode = 1

versionName = "1.0"

testInstrumentationRunner = "androidx.test.runner.AndroidJUnitRunner"

**}**

buildTypes **{**

*release* **{**

isMinifyEnabled = false

proguardFiles(

getDefaultProguardFile("proguard-android-optimize.txt"),

"proguard-rules.pro"

)

**}**

**}**

compileOptions **{**

sourceCompatibility = JavaVersion.*VERSION\_1\_8*

targetCompatibility = JavaVersion.*VERSION\_1\_8*

**}**

*kotlinOptions* **{**

jvmTarget = "1.8"

**}**

buildFeatures **{**

viewBinding = true

**}**

**}**

*dependencies* **{**

*implementation*(*libs*.*androidx*.*core*.*ktx*)

*implementation*(*libs*.*androidx*.*appcompat*)

*implementation*(*libs*.*material*)

*implementation*(*libs*.*androidx*.*activity*)

*implementation*(*libs*.*androidx*.*constraintlayout*)

*implementation*(*libs*.*androidx*.*navigation*.*fragment*.*ktx*)

*implementation*(*libs*.*androidx*.*navigation*.*ui*.*ktx*)

*testImplementation*(*libs*.*junit*)

*androidTestImplementation*(*libs*.*androidx*.*junit*)

*androidTestImplementation*(*libs*.*androidx*.*espresso*.*core*)

*implementation*("androidx.navigation:navigation-fragment-ktx:2.8.2")

*implementation*("androidx.navigation:navigation-ui-ktx:2.8.2")

**}**

Builtgradlekts project

// Top-level build file where you can add configuration options common to all sub-projects/modules.

plugins **{**

alias(*libs*.*plugins*.*android*.*application*) *apply* false

alias(*libs*.*plugins*.*kotlin*.*android*) *apply* false

**}**



