643020395-9 พรภวิษย์ ทยอมใหม่

MainActivity.kt

```kotlin
package com.example.lab6menufragment

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.view.Menu
import android.view.MenuItem
import androidx.fragment.app.Fragment
import com.example.lab6menufragment.databinding.ActivityMainBinding

class MainActivity : AppCompatActivity() {
    private lateinit var binding: ActivityMainBinding

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        binding = ActivityMainBinding.inflate(layoutInflater)
        setContentView(binding.root)

        if (savedInstanceState == null){
            replaceFragment(FirstFragment())
        }

        binding.bottomNavigation.setOnItemSelectedListener{
            when(it.itemId){
                R.id.menu1 -> replaceFragment(FirstFragment())
                R.id.menu2 -> replaceFragment(SecondFragment())
                R.id.menu3 -> replaceFragment(ThirdFragment())
                R.id.menu4 -> replaceFragment(ProfileFrangment())
            }
            true
        }
    }

    override fun onCreateOptionsMenu(menu: Menu): Boolean {
        menuInflater.inflate(R.menu.myoption_menu,menu)
        return super.onCreateOptionsMenu(menu)
    }

    override fun onOptionsItemSelected(item: MenuItem): Boolean {
        when (item.itemId){
            R.id.op_menu1 -> replaceFragment(FirstFragment())
            R.id.op_menu2 -> replaceFragment(SecondFragment())
            R.id.op_menu3 -> replaceFragment(ThirdFragment())
        }
        return super.onOptionsItemSelected(item)
    }
    private fun replaceFragment(someFragment: Fragment){
        val fragmentManager = supportFragmentManager
        val fragmentTransaction = fragmentManager.beginTransaction()
        fragmentTransaction.replace(R.id.frameLayout,someFragment)
        fragmentTransaction.commit()
    }
}
```

SecondFragment

```
package com.example.lab6menufragment

import android.os.Bundle
import androidx.fragment.app.Fragment
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.Toast
import com.example.lab6menufragment.databinding.FragmentSecondBinding


class SecondFragment : Fragment() {
    private lateinit var bindingSecondFrag : FragmentSecondBinding
    override fun onCreateView(
        inflater: LayoutInflater, container: ViewGroup?,
        savedInstanceState: Bundle?
    ): View? {
        bindingSecondFrag = FragmentSecondBinding.inflate(layoutInflater)
        bindingSecondFrag.btnClickSecondFrag.setOnClickListener{
            val toast = Toast.makeText(context,"Click on Seccond
Fragment",Toast.LENGTH_SHORT)
            toast.show()
        }
        // Inflate the layout for this fragment
        return bindingSecondFrag.root
    }

}
```

ThirdFragment

```
package com.example.lab6menufragment

import android.os.Bundle
import androidx.fragment.app.Fragment
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.Toast
import com.example.lab6menufragment.databinding.FragmentThirdBinding

class ThirdFragment : Fragment() {
    private lateinit var bindingThirdFragment: FragmentThirdBinding
    override fun onCreateView(
        inflater: LayoutInflater, container: ViewGroup?,
        savedInstanceState: Bundle?
    ): View? {
        bindingThirdFragment = FragmentThirdBinding.inflate(layoutInflater)
        bindingThirdFragment.btnClickThridFrag.setOnClickListener(){
            val toast = Toast.makeText(context,"Click on Fragment
Three",Toast.LENGTH_SHORT)
            toast.show()
        }
        // Inflate the layout for this fragment
```

```
            return bindingThirdFragment.root
    }
}
```

ProfileFragment

```kotlin
package com.example.lab6menufragment

import android.os.Bundle
import androidx.fragment.app.Fragment
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.Toast
import com.example.lab6menufragment.databinding.ActivityMainBinding
import
com.example.lab6menufragment.databinding.FragmentProfileFrangmentBinding
import com.example.lab6menufragment.databinding.FragmentThirdBinding


class ProfileFrangment : Fragment() {
    private lateinit var bindingProfileFrag : FragmentProfileFrangmentBinding

    override fun onCreateView(
        inflater: LayoutInflater, container: ViewGroup?,
        savedInstanceState: Bundle?
    ): View? {
        bindingProfileFrag =
FragmentProfileFrangmentBinding.inflate(layoutInflater)

        // Inflate the layout for this fragment
        return bindingProfileFrag.root
    }

}
```

activity_main.xml

```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"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <FrameLayout
        android:id="@+id/frameLayout"
        android:layout_width="match_parent"
        android:layout_height="match_parent"/>
    <com.google.android.material.bottomnavigation.BottomNavigationView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/bottom_navigation"
```

```
            android:layout_alignParentBottom="true"
            app:menu="@menu/bottom_nav_menu"/>
</RelativeLayout>
```

Frangment_first.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="#F3EDBC"
    android:padding="15dp"
    tools:context=".FirstFragment">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="This is a first fragment. "
        android:layout_marginBottom="10dp"
        android:layout_above="@+id/btnClickFirstFrag"
        android:layout_centerHorizontal="true"
        android:textSize="30sp"
        />
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/btnClickFirstFrag"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Click to secound fragment."
        android:textAllCaps="false"
        android:textSize="20sp"
        android:layout_centerInParent="true"/>
</RelativeLayout>
```

Fragment_profile.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:orientation="vertical"
    tools:context=".ProfileFrangment">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Pornpavit Thayommai"
        android:layout_centerHorizontal="true"
        android:textSize="30sp"/>
    <androidx.appcompat.widget.AppCompatImageView
        android:layout_width="150dp"
        android:layout_height="150dp"
```

```xml
        android:src="@drawable/peo"
        app:cardCornerRadius="40dp"
        android:scaleType="centerCrop"/>

<!--    <androidx.appcompat.widget.AppCompatButton-->
<!--        android:id="@+id/btnClickThridFrag"-->
<!--        android:layout_width="match_parent"-->
<!--        android:layout_height="wrap_content"-->
<!--        android:text="Click me!"-->
<!--        android:textAllCaps="false"-->
<!--        android:textSize="20sp"-->
<!--        android:layout_centerInParent="true"/>-->
</LinearLayout>
```

Fragment_second.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="#F2BEF8"
    android:padding="15dp"
    tools:context=".SecondFragment">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="This is a second fragment."
        android:layout_marginBottom="10dp"
        android:layout_above="@+id/btnClickSecondFrag"
        android:layout_centerHorizontal="true"
        android:textSize="30sp"/>
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/btnClickSecondFrag"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Click me!"
        android:textAllCaps="false"
        android:textSize="20sp"
        android:layout_centerInParent="true"/>
</RelativeLayout>
```

Frangment_third.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="#E5FBCA"
    android:padding="15dp"
    tools:context=".ThirdFragment">
```

```xml
    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="This is a Third Fragment"
        android:layout_marginBottom="10dp"
        android:layout_above="@+id/btnClickThridFrag"
        android:layout_centerHorizontal="true"
        android:textSize="30sp"/>
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/btnClickThridFrag"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Click me!"
        android:textAllCaps="false"
        android:textSize="20sp"
        android:layout_centerInParent="true"/>
</RelativeLayout>
```

Botton_nav_menu.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item android:id="@+id/menu1"
        android:title="Fist Fragment"
        android:icon="@drawable/ic_baseline_filter_1_24"/>
    <item android:id="@+id/menu2"
        android:title="Second Fragment"
        android:icon="@drawable/ic_baseline_filter_2_24"/>
    <item android:id="@+id/menu3"
        android:title="Third Fragment"
        android:icon="@drawable/ic_baseline_filter_3_24"/>
    <item android:id="@+id/menu4"
        android:title="Profile"
        android:icon="@drawable/ic_baseline_filter_4_24"/>
</menu>
```

Myoption_menu.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto">
    <item android:id="@+id/op_menu1"
        app:showAsAction="always"
        android:icon="@drawable/firstfragment"
        android:title="First Fragment" />
    <item android:id="@+id/op_menu2"
        android:title="Second Fragment"/>
    <item android:id="@+id/op_menu3"
        android:title="Third Fragment"/>
</menu>
```