

Program

Aim: Program to implement Options Menu to navigate to activities

XML Code:

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

<menu xmlns:android="http://schemas.android.com/apk/res/android"
      xmlns:tools="http://schemas.android.com/tools"
      tools:showIn="navigation_view">
    <group android:checkableBehavior="single">
        <item
            android:id="@+id/nav_home"
            android:icon="@drawable/ic_menu_camera"
            android:title="@string/menu_home" />
        <item
            android:id="@+id/nav_gallery"
            android:icon="@drawable/ic_menu_gallery"
            android:title="Account" />
        <item
            android:id="@+id/nav_slideshow"
            android:icon="@drawable/ic_menu_slideshow"
            android:title="Logout" />
    </group>
</menu>

#main

<?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/action_settings"
    android:orderInCategory="100"
    android:title="@string/action_settings"
    app:showAsAction="never" />
</menu>

#activity_main
<?xml version="1.0" encoding="utf-8"?>
<androidx.drawerlayout.widget.DrawerLayout
    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/drawer_layout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:openDrawer="start">
    <include
        android:id="@+id/app_bar_main"
        layout="@layout/app_bar_main"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
    <com.google.android.material.navigation.NavigationView
        android:id="@+id/nav_view"
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
```

```
        android:layout_gravity="start"

        android:fitsSystemWindows="true"

        app:headerLayout="@layout/nav_header_main"

        app:menu="@menu/activity_main_drawer" />
</androidx.drawerlayout.widget.DrawerLayout>
```

#activity_main2

```
<?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="@color/teal_700"

    tools:context=".MainActivity2">

    <TextView

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        app:layout_constraintBottom_toBottomOf="parent"

        app:layout_constraintEnd_toEndOf="parent"

        android:text="Account Page"

        android:textSize="30sp"

        android:textAlignment="center"

        app:layout_constraintStart_toStartOf="parent"

        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Java Code:

```
package com.example.nav;

import android.os.Bundle;

import android.view.View;

import android.view.Menu;

import com.google.android.material.snackbar.Snackbar;

import com.google.android.material.navigation.NavigationView;

import androidx.navigation.NavController;

import androidx.navigation.Navigation;

import androidx.navigation.ui.AppBarConfiguration;

import androidx.navigation.ui.NavigationUI;

import androidx.drawerlayout.widget.DrawerLayout;

import androidx.appcompat.app.AppCompatActivity;

import com.example.nav.databinding.ActivityMainBinding;

public class MainActivity extends AppCompatActivity {

    private AppBarConfiguration mAppBarConfiguration;

    private ActivityMainBinding binding;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        binding = ActivityMainBinding.inflate(getLayoutInflater());

        setContentView(binding.getRoot());

        setSupportActionBar(binding.appBarMain.toolbar);

        binding.appBarMain.fab.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {
```

```

        Snackbar.make(view, "Replace with your own action",
Snackbar.LENGTH_LONG)

            .setAction("Action", null).show();

    }

});

DrawerLayout drawer = binding.drawerLayout;

NavigationView navigationView = binding.navView;

// Passing each menu ID as a set of Ids because each
// menu should be considered as top level destinations.

mAppBarConfiguration = new AppBarConfiguration.Builder(
    R.id.nav_home, R.id.nav_gallery, R.id.nav_slideshow)
        .setOpenableLayout(drawer)

        .build();

NavController navController = Navigation.findNavController(this,
R.id.nav_host_fragment_content_main);

NavigationUI.setupActionBarWithNavController(this, navController,
mAppBarConfiguration);

NavigationUI.setupWithNavController(navigationView, navController);
}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

    // Inflate the menu; this adds items to the action bar if it is present.

    getMenuInflater().inflate(R.menu.main, menu);

    return true;

}

@Override

public boolean onSupportNavigateUp() {

```

```

        NavController navController = Navigation.findNavController(this,
R.id.nav_host_fragment_content_main);

        return NavigationUI.navigateUp(navController, mAppBarConfiguration)

            || super.onSupportNavigateUp();

    }

}

#mainactivity2

package com.example.nav;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity2 extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main2);

    }

}

```

Output:



