**Navigation Drawer**

**Activity\_main.xml:**

<?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:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity"

android:id="@+id/drawer">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:text="Welcome"

android:textSize="30dp">

</TextView>

</LinearLayout>

<com.google.android.material.navigation.NavigationView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

app:menu="@menu/menu"

android:id="@+id/navigation\_view"

android:layout\_gravity="start">

</com.google.android.material.navigation.NavigationView>

</androidx.drawerlayout.widget.DrawerLayout>

**Menu.xml:**

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

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

<item

android:id="@+id/account"

android:title="My account"/>

<item

android:id="@+id/profile"

android:title="My profile"/>

<item

android:id="@+id/logout"

android:title="log out"/>

</menu>

**MainActivity.java:**

package com.example.navigation;

import androidx.annotation.NonNull;

import androidx.appcompat.app.ActionBarDrawerToggle;

import androidx.appcompat.app.AppCompatActivity;

import androidx.drawerlayout.widget.DrawerLayout;

import android.os.Bundle;

import android.view.MenuItem;

import android.widget.Toast;

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

public class MainActivity extends AppCompatActivity implements

NavigationView.OnNavigationItemSelectedListener {

public DrawerLayout drawerLayout;

public ActionBarDrawerToggle actionBarDrawerToggle;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

drawerLayout = findViewById(R.id.drawer);

actionBarDrawerToggle = new ActionBarDrawerToggle(this,drawerLayout, R.string.nav\_open, R.string.nav\_close);

drawerLayout.addDrawerListener(actionBarDrawerToggle);

actionBarDrawerToggle.syncState();

getSupportActionBar().setDisplayHomeAsUpEnabled(true);

NavigationView navigationView = findViewById(R.id.navigation\_view);

navigationView.setNavigationItemSelectedListener(this);

}

@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item) {

if (actionBarDrawerToggle.onOptionsItemSelected(item)){

return true;

}

return super.onOptionsItemSelected(item);

}

@Override

public boolean onNavigationItemSelected(@NonNull MenuItem item) {

int id=item.getItemId();

if(id == R.id.account){

Toast.makeText(this, "Home Page", Toast.LENGTH\_SHORT).show();

}

if(id == R.id.profile){

Toast.makeText(this, "Settings Page",

Toast.LENGTH\_SHORT).show();

}

if(id == R.id.logout){

Toast.makeText(this, "Logout", Toast.LENGTH\_SHORT).show();

}

return false;

}

}

**Output:**

Shape

Description automatically generated with medium confidence A picture containing shape

Description automatically generated