LAYOUT CODE:  
ACTIVITY

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.drawerlayout.widget.DrawerLayout  
  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:id="@+id/drawer\_layout"  
 tools:context=".MainActivity"**>  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"**>  
 <**include  
 layout="@layout/main\_toolbar"**/>  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:text="Home"  
 android:textSize="50sp"  
 android:textStyle="bold"  
 android:gravity="center"**/>  
  
 </**LinearLayout**>  
  
 <**RelativeLayout  
 android:layout\_width="300dp"  
 android:layout\_height="match\_parent"  
 android:layout\_gravity="start"  
 android:background="@android:color/white"**>  
  
 <**include  
 layout="@layout/main\_nav\_drawer"**/>  
  
  
 </**RelativeLayout**>  
  
  
  
  
</**androidx.drawerlayout.widget.DrawerLayout**>

MAIN\_NAV\_DRAWER

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout  
 xmlns:android="http://schemas.android.com/apk/res/android" android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"**>  
 <**ImageView  
 android:layout\_width="match\_parent"  
 android:layout\_height="120dp"  
 android:layout\_margin="16dp"  
 android:onClick="ClickLogo"  
 android:src="@drawable/ic\_food"**/>  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Nav"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 android:textAlignment="center"  
 android:textColor="#636363"**/>  
 <**View  
 android:layout\_width="match\_parent"  
 android:layout\_height="1dp"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginBottom="16dp"  
 android:background="#636363"**/>  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:gravity="center\_vertical"  
 android:onClick="ClickHome"**>  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Home"  
 android:padding="12dp"  
 android:layout\_marginStart="16dp"**/>  
 <**ImageView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="48dp"  
 android:src="@drawable/ic\_home"**/>  
  
  
 </**LinearLayout**>  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:gravity="center\_vertical"  
 android:onClick="ClickDashboard"**>  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Dashboard"  
 android:padding="12dp"  
 android:layout\_marginStart="16dp"**/>  
 <**ImageView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="48dp"  
 android:src="@drawable/ic\_dashboard"**/>  
 </**LinearLayout**>  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:gravity="center\_vertical"  
 android:onClick="ClickAboutUs"**>  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="About Us"  
 android:padding="12dp"  
 android:layout\_marginStart="16dp"**/>  
 <**ImageView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="48dp"  
 android:src="@drawable/ic\_info"**/>  
 </**LinearLayout**>  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:gravity="center\_vertical"  
 android:onClick="ClickLogout"**>  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Logout"  
 android:padding="12dp"  
 android:layout\_marginStart="16dp"**/>  
 <**ImageView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="48dp"  
 android:src="@drawable/ic\_logout"**/>  
 </**LinearLayout**>  
  
  
</**LinearLayout**>

MAIN\_TOOLBAR

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:padding="12dp"  
 android:gravity="center\_vertical"** >  
  
 <**ImageView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:onClick="ClickMenu"  
 android:src="@drawable/ic\_menu"**/>  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Navigation"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 android:textAlignment="center"  
 android:textColor="#636363"**/>  
 <**ImageView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:src="@drawable/ic\_more"**/>  
  
  
  
  
</**LinearLayout**>

ACTIVITY\_DASHBOARD

*<?***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"  
 android:id="@+id/drawer\_layout"  
 tools:context=".Dashboard"**>  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"**>  
  
 <**include  
 layout="@layout/main\_toolbar"**/>  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:text="Dashboard"  
 android:textSize="50sp"  
 android:textStyle="bold"  
 android:gravity="center"**/>  
  
 </**LinearLayout**>  
 <**RelativeLayout  
 android:layout\_width="300dp"  
 android:layout\_height="match\_parent"  
 android:layout\_gravity="start"  
 android:background="@android:color/white"**>  
  
 <**include  
 layout="@layout/main\_nav\_drawer"**/>  
 </**RelativeLayout**>  
  
</**androidx.drawerlayout.widget.DrawerLayout**>

ACTIVITY\_ABOUTUs

*<?***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"  
 android:id="@+id/drawer\_layout"  
 tools:context=".AboutUs"**>  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"**>  
  
 <**include  
 layout="@layout/main\_toolbar"**/>  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:text="About Us"  
 android:textSize="50sp"  
 android:textStyle="bold"  
 android:gravity="center"**/>  
  
 </**LinearLayout**>  
 <**RelativeLayout  
 android:layout\_width="300dp"  
 android:layout\_height="match\_parent"  
 android:layout\_gravity="start"  
 android:background="@android:color/white"**>  
  
 <**include  
 layout="@layout/main\_nav\_drawer"**/>  
 </**RelativeLayout**>  
  
</**androidx.drawerlayout.widget.DrawerLayout**>

JAVA CODE:

MAIN\_ACTIVITY.java

**package** com.example.lab11;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
**import** androidx.core.view.GravityCompat;  
**import** androidx.drawerlayout.widget.DrawerLayout;  
  
**import** android.app.Activity;  
**import** android.app.AlertDialog;  
**import** android.content.DialogInterface;  
**import** android.content.Intent;  
**import** android.graphics.drawable.Drawable;  
**import** android.os.Bundle;  
**import** android.view.View;  
  
**public class** MainActivity **extends** AppCompatActivity {  
DrawerLayout **drawerLayout**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **drawerLayout** = findViewById(R.id.***drawer\_layout***);  
 }  
 **public void** ClickMenu(View view) {  
 *openDrawer*(**drawerLayout**);  
 }  
  
 **public static void** openDrawer(DrawerLayout drawerLayout) {  
 drawerLayout.openDrawer(GravityCompat.***START***);  
  
 }  
 **public void** ClickLogo(View view) {  
 *closeDrawer*(**drawerLayout**);  
 }  
  
 **public static void** closeDrawer(DrawerLayout drawerLayout) {  
 **if**(drawerLayout.isDrawerOpen(GravityCompat.***START***)) {  
 drawerLayout.closeDrawer(GravityCompat.***START***);  
 }  
 }  
 **public void** ClickHome(View view) {  
 recreate();  
 }  
 **public void** ClickDashboard(View view){  
 *redirectActivity*(**this**,Dashboard.**class**);  
 }  
 **public void** ClickAboutUs(View view) {  
 *redirectActivity*(**this**,AboutUs.**class**);  
  
 }  
 **public void** ClickLogout(View view)  
 {  
 *logout*(**this**);  
 }  
  
 **public static void** logout(Activity activity) {  
 AlertDialog.Builder builder = **new** AlertDialog.Builder(activity);  
 builder.setTitle(**"Logout"**);  
 builder.setMessage(**"Do you want to logout?"**);  
 builder.setPositiveButton(**"YES"**, **new** DialogInterface.OnClickListener() {  
 @Override  
 **public void** onClick(DialogInterface dialog, **int** which) {  
 activity.finishAffinity();  
 System.*exit*(0);  
 }  
 });  
 builder.setNegativeButton(**"NO"**, **new** DialogInterface.OnClickListener() {  
 @Override  
 **public void** onClick(DialogInterface dialog, **int** which) {  
 dialog.dismiss();  
 }  
 });  
 builder.show();  
 }  
  
 **public static void** redirectActivity(Activity activity,Class aClass) {  
 Intent intent = **new** Intent(activity,aClass);  
 intent.setFlags(Intent.***FLAG\_ACTIVITY\_NEW\_TASK***);  
 activity.startActivity(intent);  
 }  
  
 @Override  
 **protected void** onPause() {  
 **super**.onPause();  
 *closeDrawer*(**drawerLayout**);  
 }  
}

DASHBOARD.java

**package** com.example.lab11;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
**import** androidx.drawerlayout.widget.DrawerLayout;  
  
**import** android.os.Bundle;  
**import** android.view.View;  
  
**public class** Dashboard **extends** AppCompatActivity {  
 DrawerLayout **drawerLayout**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_dashboard***);  
 **drawerLayout** = findViewById(R.id.***drawer\_layout***);  
 }  
 **public void** ClickMenu(View view){  
 MainActivity.*openDrawer*(**drawerLayout**);  
 }  
 **public void** ClickLogo(View view){  
 MainActivity.*closeDrawer*(**drawerLayout**);  
 }  
 **public void** ClickHome(View view) {  
 MainActivity.*redirectActivity*(**this**,MainActivity.**class**);  
 }  
 **public void** ClickDashboard(View view){  
 recreate();  
 }  
 **public void** ClickAboutUs(View view){  
 MainActivity.*redirectActivity*(**this**,AboutUs.**class**);  
 }  
 **public void** ClickLogout(View view){  
 MainActivity.*logout*(**this**);  
 }  
  
 @Override  
 **protected void** onPause() {  
 **super**.onPause();  
 MainActivity.*closeDrawer*(**drawerLayout**);  
 }  
}

ABOUTUs.java

**package** com.example.lab11;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
**import** androidx.drawerlayout.widget.DrawerLayout;  
  
**import** android.os.Bundle;  
**import** android.view.View;  
  
**public class** AboutUs **extends** AppCompatActivity {  
 DrawerLayout **drawerLayout**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_about\_us***);  
 **drawerLayout** = findViewById(R.id.***drawer\_layout***);  
 }  
 **public void** ClickMenu(View view){  
 MainActivity.*openDrawer*(**drawerLayout**);  
 }  
 **public void** ClickLogo(View view){  
 MainActivity.*closeDrawer*(**drawerLayout**);  
 }  
 **public void** ClickHome(View view) {  
 MainActivity.*redirectActivity*(**this**,MainActivity.**class**);  
 }  
 **public void** ClickDashboard(View view){  
 MainActivity.*redirectActivity*(**this**,Dashboard.**class**);  
 }  
 **public void** ClickAboutUs(View view){  
 recreate();  
  
 }  
 **public void** ClickLogout(View view){  
 MainActivity.*logout*(**this**);  
 }  
  
 @Override  
 **protected void** onPause() {  
 **super**.onPause();  
 MainActivity.*closeDrawer*(**drawerLayout**);  
 }  
}

MANIFEST CODE:

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.lab11"**>  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.LAB11"**>  
 <**activity android:name=".AboutUs"**></**activity**>  
 <**activity android:name=".Dashboard"** />  
 <**activity android:name=".MainActivity"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 </**application**>  
  
</**manifest**>

SCREENSHOTS:





