**Mobile Application Development**

* **Practical 7: Menu Bar**

**CODE:**

**Andriod\_manifest.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 package="com.example.menu"**>  
  
 <**uses-permission android:name="android.permission.INTERNET"** />  
  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@drawable/im"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.Menu"**>  
  
 <**activity android:name=".profile"** />  
 <**activity  
 android:name=".MainActivity"  
 android:exported="True"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 </**application**>  
  
</**manifest**>

**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"**>  
  
 <**ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
  
 android:layout\_marginStart="119dp"  
 android:layout\_marginTop="173dp"  
 android:layout\_marginEnd="152dp"  
 android:layout\_marginBottom="259dp"  
 android:src="@drawable/im2"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.439"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView2"  
 app:layout\_constraintVertical\_bias="0.48"** />  
  
 <**TextView  
 android:id="@+id/textView2"  
 android:layout\_width="204dp"  
 android:layout\_height="60dp"  
 android:fontFamily="sans-serif-smallcaps"  
 android:text="Menu Bar"  
 android:textSize="30sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.497"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.147"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**Activity\_Profile.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=".profile"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="237dp"  
 android:layout\_height="55dp"  
 android:fontFamily="casual"  
 android:text="Arjun Vankani"  
 android:textSize="30sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.062"** />  
  
 <**ImageView  
 android:id="@+id/imageView"  
 android:layout\_width="248dp"  
 android:layout\_height="271dp"  
  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.496"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView"  
 app:layout\_constraintVertical\_bias="0.159"  
 app:srcCompat="@drawable/arjunn"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**Menu.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:title="menu"  
 android:id="@+id/menu"  
 android:icon="@drawable/menu"  
 app:showAsAction="always"**>  
 <**menu**>  
 <**item  
 android:title="Profile"  
 android:id="@+id/profile"  
 android:icon="@drawable/profile"  
 app:showAsAction="never"**/>  
 <**item  
 android:title="History"  
 android:id="@+id/history"  
 android:icon="@drawable/history"  
 app:showAsAction="never"**/>  
 <**item  
 android:title="Settings"  
 android:id="@+id/settings"  
 android:icon="@drawable/setting"  
 app:showAsAction="never"**/>  
 <**item  
 android:title="LogOut"  
 android:id="@+id/logout"  
 android:icon="@drawable/logout"  
 app:showAsAction="never"**/>  
 </**menu**>  
 </**item**>  
</**menu**>

**MainActivity.java**

**package** com.example.menu;  
  
**import** androidx.annotation.NonNull;  
**import** androidx.appcompat.app.AppCompatActivity;  
**import** androidx.core.app.NotificationCompat;  
**import** androidx.core.app.TaskStackBuilder;  
  
**import** android.app.PendingIntent;  
**import** android.content.Intent;  
**import** android.graphics.Color;  
**import** android.net.Uri;  
**import** android.os.Bundle;  
**import** android.view.Menu;  
**import** android.view.MenuInflater;  
**import** android.view.MenuItem;  
**import** android.widget.Toast;  
**public class** MainActivity **extends** AppCompatActivity {  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 }  
 @Override  
 **public boolean** onCreateOptionsMenu(Menu menu) {  
 MenuInflater inflater=getMenuInflater();  
 inflater.inflate(R.menu.***menu***,menu);  
 **return true**;  
 }  
 @Override  
 **public boolean** onOptionsItemSelected(@NonNull MenuItem item) {  
 **switch** (item.getItemId()){  
 **case** R.id.***profile***:  
 Intent i = **new** Intent(getApplicationContext(),  
 profile.**class**);  
 startActivity(i);  
 Toast.*makeText*(**this**, **"Profile Selected"**,  
 Toast.***LENGTH\_SHORT***).show();  
 **return true**;  
 **case** R.id.***history***:  
 String url = **"https://myactivity.google.com/product/search?utm\_source=google&hl=en&pli=1"**;  
 Intent intent = **new** Intent(Intent.***ACTION\_VIEW***, Uri.*parse*(url));  
 startActivity(intent);  
  
 Toast.*makeText*(**this**, **"History Selected"**,  
 Toast.***LENGTH\_SHORT***).show();  
 **return true**;  
 **case** R.id.***settings***:  
 startActivityForResult(**new** Intent(android.provider.Settings.***ACTION\_SETTINGS***), 0);  
 Toast.*makeText*(**this**, **"Settings Selected"**,  
 Toast.***LENGTH\_SHORT***).show();  
 **return true**;  
 **case** R.id.***logout***:  
 Toast.*makeText*(**this**, **"Logout Selected"**,  
 Toast.***LENGTH\_SHORT***).show();  
 System.*exit*(0);  
 **return true**;  
 **default**:  
 **return super**.onOptionsItemSelected(item);  
 }  
 }  
}

**Profile.java**

**package** com.example.menu;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Context;  
**import** android.os.Bundle;  
**import** android.widget.ImageView;  
**import** android.widget.TextView;  
  
**import** com.google.android.material.imageview.ShapeableImageView;  
  
**public class** profile **extends** AppCompatActivity {  
  
  
 TextView **textView**;  
 ImageView **imageView**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_profile***);  
  
 TextView textView = (TextView) findViewById(R.id.***textView***);  
 ImageView imageView = (ImageView) findViewById(R.id.***imageView***);  
  
  
 }  
}

**Output**

 

  

 