Mobile Application Development

🔲 Practical 7: Menu Bar

CODE:

Andriod_manifest.xml

```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
<?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"
```

```xml
        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
<?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">
```

```xml
    <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
<?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"
```

```xml
                        android:icon="@drawable/logout"
                        app:showAsAction="never"/>
            </menu>
        </item>
</menu>
```

MainActivity.java

```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,
```

```java
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

```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);


    }
}
```
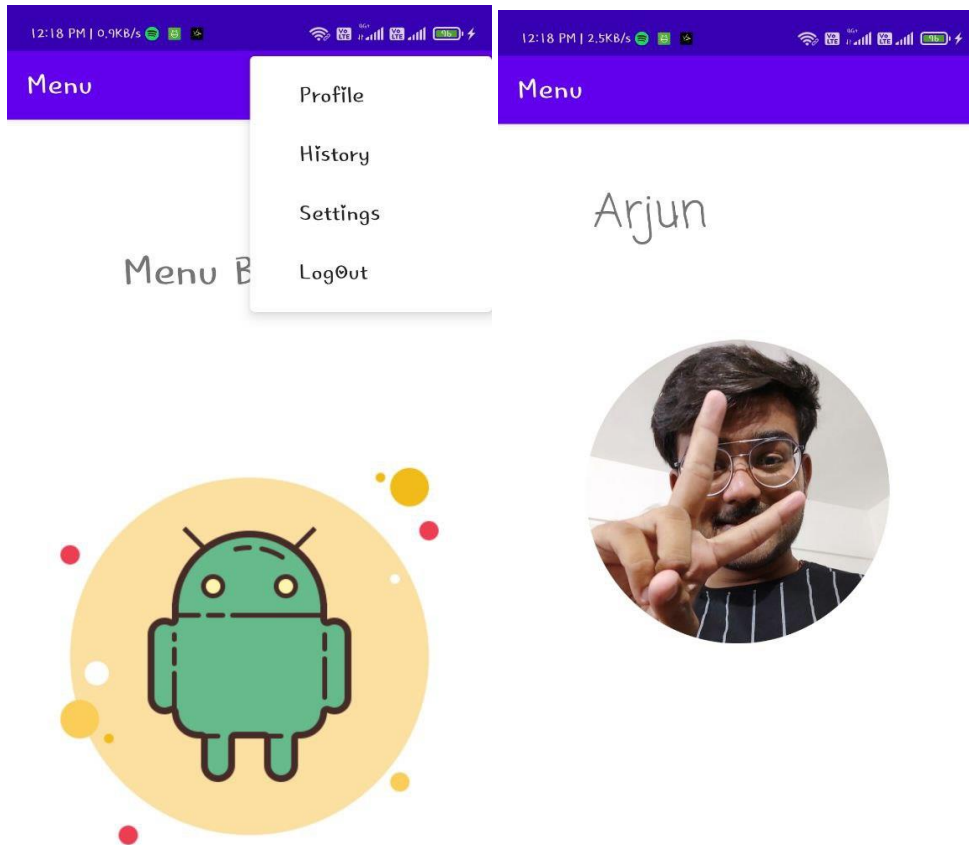

Android APP