CHALLENGING TASK

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SUBJECT: MAD-B11/B12

MAIN ACTIVITY.JAVA

```java
package com.example.a3octtask;

import android.content.Context;
import android.net.wifi.WifiManager;
import android.os.Bundle;

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

import androidx.appcompat.app.AppCompatActivity;

import android.view.View;

import androidx.navigation.NavController;
import androidx.navigation.Navigation;
import androidx.navigation.ui.AppBarConfiguration;
import androidx.navigation.ui.NavigationUI;

import com.example.a3octtask.databinding.ActivityMainBinding;

import android.view.Menu;
import android.view.MenuItem;
import android.widget.ImageView;
import android.widget.Toast;
import android.view.View;

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) {
        getMenuInflater().inflate(R.menu.menu_main, menu);
        return true;
    }
    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        Toast.makeText(this, "Selected Item: " +item.getTitle(),
Toast.LENGTH_SHORT).show();
        switch (item.getItemId()) {
            case R.id.Profile:
                ImageView imageView = (ImageView)
findViewById(R.id.imageView);
                imageView.setImageResource(R.drawable.imageView);
                return true;
            case R.id.Result:
                public void onClick(View view)
            {
                // Displaying simple Toast message
                Toast.makeText(getApplicationContext(),
                        "Your CGPA",
                        Toast.LENGTH_LONG)
                        .show();
                return true;
            case R.id.Settings:
                public void onClick(View view){
                WifiManager wifi = (WifiManager)
```

```java
getSystemService(Context.WIFI_SERVICE);
                wifi.setWifiEnabled(true);
            }
            return true;
            case R.id.Exit:
                public void closeApplication(View view) {
                finish();
                moveTaskToBack(true);
            }
                return true;
            default:
                return super.onOptionsItemSelected(item);
        }
    }
}
```

ANDROID MANIFEST

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.a3octtask">

    <uses-permission android:name="android.permission.ACCESS_WIFI_STATE"/>

    <uses-permission android:name="android.permission.CHANGE_WIFI_STATE"/>

    <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.3octtask">
        <activity
            android:name=".MainActivity"
            android:label="@string/app_name"
            android:theme="@style/Theme.3octtask.NoActionBar">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER"
/>
            </intent-filter>
        </activity>
    </application>

</manifest>
```

MAIN MENU.XML

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">

    <item
        android:id="@+id/Profile"
        android:title="Profile" />
```
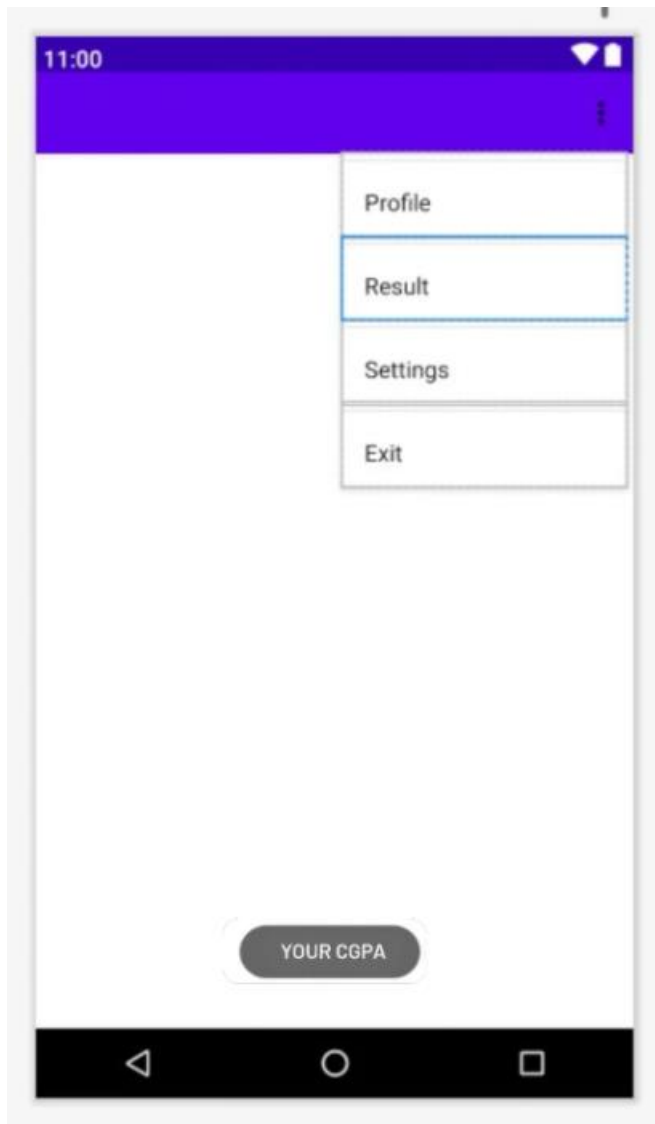
```xml
    <item
        android:id="@+id/Result"
        android:title="Result" />

    <item
        android:id="@+id/Settings"
        android:title="Settings" />

    <item
        android:id="@+id/Exit"
        android:title="Exit" />

</menu>
```

PROFILE

RESULT

SETTINGS