

**Assignment No: 06**

**Create an android app that demonstrates the use of an Options Menu**

**Code: -**

**Mainactivity.java:**

```
package com.example.optionmenu1;

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.optionmenu1.databinding.ActivityMainBinding;

import android.view.Menu;
import android.view.MenuItem;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.widget.Toolbar;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toolbar toolbar= findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.menu_main, menu);
        return true;
    }
}
```

```
}

@Override
public boolean onOptionsItemSelected(MenuItem item) {
    // Handle action bar item clicks here. The action bar will
    // automatically handle clicks on the Home/Up button, so long
    // as you specify a parent activity in AndroidManifest.xml.
    int id = item.getItemId();

    switch (id) {
        case R.id.item1:
            Toast.makeText(getApplicationContext(), "Your favorite Subjects ",
            Toast.LENGTH_LONG).show();
            return true;
        case R.id.item2:
            Toast.makeText(getApplicationContext(), "You like Data Science ",
            Toast.LENGTH_LONG).show();
            return true;
        case R.id.item3:
            Toast.makeText(getApplicationContext(), "Is Java is your favourite",
            Toast.LENGTH_LONG).show();
            return true;
        case R.id.item4:
            Toast.makeText(getApplicationContext(), "You selected Algorithm ",
            Toast.LENGTH_LONG).show();
            return true;
        case R.id.item5:
            Toast.makeText(getApplicationContext(), " Android is favorite ",
            Toast.LENGTH_LONG).show();
            return true;
        case R.id.item6:
            Toast.makeText(getApplicationContext(), " Dsp selected ", Toast.LENGTH_LONG).show();
            return true;

        default:
            return super.onOptionsItemSelected(item);
    }
}
```

**content\_main.xml:**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.c
om/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
```

```
android:layout_width="match_parent"
android:layout_height="match_parent"
app:layout_behavior="@string/appbar_scrolling_view_behavior">
```

```
<fragment
android:id="@+id/nav_host_fragment_content_main"
android:name="androidx.navigation.fragment.NavHostFragment"
android:layout_width="0dp"
android:layout_height="0dp"
app:defaultNavHost="true"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintHorizontal_bias="1.0"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.0"
app:navGraph="@navigation/nav_graph" />
</androidx.constraintlayout.widget.ConstraintLayout>
menu_main.xml
```

```
<menu 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"
tools:context="com.example.optionmenu1.MainActivity">
<item android:id="@+id/item1"
android:title="SUBJECTS:"/>
<item android:id="@+id/item2"
android:title="Data Science"/>
<item android:id="@+id/item3"
android:title="Java"/>
<item android:id="@+id/item4"
android:title="Algorithm"/>
<item android:id="@+id/item5"
android:title="Android"/>
<item android:id="@+id/item6"
android:title="Dsp"/>
</menu>
```

#### **activity\_main.xml:**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayoutxmlns:android="http://schemas.andro
id.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">
```

```
<com.google.android.material.appbar.AppBarLayout
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:theme="@style/Theme.OptionMenu1.AppBarOverlay">
<androidx.appcompat.widget.Toolbar
android:id="@+id/toolbar"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:background="@color/teal_200"
app:popupTheme="@style/Theme.OptionMenu1.PopupOverlay"/>

</com.google.android.material.appbar.AppBarLayout>
<!--<include layout="@layout/content_main" /> -->

<TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="WELCOME" />

</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

**Output:**

