ROLL NO: - 4334 SYBSC [CS]

Android Developer Fundamentals (TCSCCS0407P)

Name: Kaysan Shaikh Div: A

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 MainActivityextends 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 booleanonCreateOptionsMenu(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;
```

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```
}
@Override
public booleanonOptionsItemSelected(MenuItemitem) {
// 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:

```
</moding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayoutxmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"</pre>
```

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```
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"</pre>
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"
```

activity_main.xml:

android:title="Dsp"/>

</menu>

```
<?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">
```

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```
<com.google.android.material.appbar.AppBarLayout</pre>
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:

