**Activity\_main.xml**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <androidx.appcompat.widget.Toolbar  
 android:id="@+id/toolbar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="?attr/actionBarSize"  
 android:background="?attr/colorPrimary"  
 android:titleTextColor="@android:color/white"  
 app:titleTextAppearance="@style/TextAppearance.Widget.AppCompat.Toolbar.Title"  
 app:popupTheme="@style/ThemeOverlay.AppCompat.Light" />  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Hello! This is the main activity."  
 android:gravity="center"  
 android:padding="20dp"  
 android:textSize="18sp" />  
  
</LinearLayout>

**MainActivity.java**

package com.example.menubar;  
  
import android.annotation.SuppressLint;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.widget.Toast;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.appcompat.widget.Toolbar;  
  
import com.example.menubar.R;  
  
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);  
  
 if (getSupportActionBar() != null) {  
 getSupportActionBar().setTitle("Menu Bar Example");  
 }  
 }  
  
 @Override  
 public boolean onCreateOptionsMenu(Menu menu) {  
 getMenuInflater().inflate(R.menu.*example\_menu*, menu);  
 return true;  
 }  
  
 @SuppressLint("NonConstantResourceId")  
 @Override  
 public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
 int id = item.getItemId();  
  
 if (id == R.id.*action\_search*) {  
 Toast.*makeText*(this, "Search clicked!", Toast.*LENGTH\_SHORT*).show();  
 return true;  
 } else if (id == R.id.*item2*) {  
 Toast.*makeText*(this, "Item 2 clicked!", Toast.*LENGTH\_SHORT*).show();  
 return true;  
 } else if (id == R.id.*sub\_item1*) {  
 Toast.*makeText*(this, "Sub Item 1 clicked!", Toast.*LENGTH\_SHORT*).show();  
 return true;  
 } else if (id == R.id.*sub\_item2*) {  
 Toast.*makeText*(this, "Sub Item 2 clicked!", Toast.*LENGTH\_SHORT*).show();  
 return true;  
 } else {  
 return super.onOptionsItemSelected(item);  
 }  
 }  
}

**Manifest.xml**

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

**example\_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:id="@+id/action\_search"  
 android:icon="@android:drawable/ic\_menu\_search"  
  
 android:title="Search"  
 app:showAsAction="ifRoom" />  
 <item  
 android:id="@+id/item2"  
 android:title="Item 2"  
 app:showAsAction="never" />  
 <item  
 android:id="@+id/item3"  
 android:title="Item 3"  
 app:showAsAction="never">  
 <menu>  
 <item  
 android:id="@+id/sub\_item1"  
 android:title="Sub Item 1" />  
 <item  
 android:id="@+id/sub\_item2"  
 android:title="Sub Item 2" />  
 </menu>  
 </item>  
</menu>