

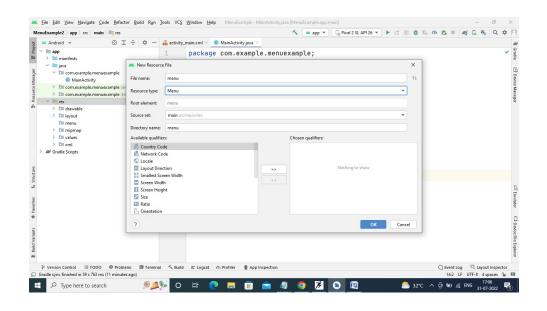
Sidemenu.xml

```
<?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/help"</pre>
    android:title="Help"
    app:showAsAction="never"/>
    <item android:id="@+id/aboutus"</pre>
        android:title="About Us"
        app:showAsAction="never">
        <menu>
        <item android:id="@+id/subitemmca"</pre>
             android:title="MCA"/>
             <item android:id="@+id/subitemmsc"</pre>
                 android:title="MSc"/>
             <item android:id="@+id/subitempgdca"</pre>
                 android:title="PGDCA"/>
        </menu>
    </item>
```

```
<item android:id="@+id/phone"</pre>
        android:title="Phone"
        android:icon="@drawable/phone"
        app:showAsAction="ifRoom"/>
    <item android:id="@+id/email"</pre>
        android:title="E-mail"
        android:icon="@drawable/email"
        app:showAsAction="always"/>
    <item android:id="@+id/sms"</pre>
        android:title="SMS"
        android:icon="@drawable/sms"
        app:showAsAction="withText"/>
    <item android:id="@+id/contactus"</pre>
        android:title="Contact Us"
        app:showAsAction="never"/>
    <item android:id="@+id/exit"</pre>
        android:title="Exit"
        app:showAsAction="never"/>
</menu>
MainActivity.java
package com.example.optionsmenuexample;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
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.sidemenu, menu);
        return true;
    }
    @Override
    public boolean onOptionsItemSelected(@NonNull
MenuItem item) {
        switch(item.getItemId()){
            case R.id.help:
Toast.makeText(this, "Help", Toast.LENGTH LONG).show();
            case R.id.contactus:
                Toast.makeText(this, "Contact
Us", Toast. LENGTH LONG) . show();
            case R.id.subitemmca:
                Intent imca= new
Intent(MainActivity.this, MCA.class);
                startActivity(imca);
            case R.id.exit:
                this.finish();
        }
        return super.onOptionsItemSelected(item);
}
```

```
package com.example.optionsmenuexample;
import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
public class MCA extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity mca);
        // calling the action bar
        ActionBar actionBar = getSupportActionBar();
       // Customize the back button
actionBar.setHomeAsUpIndicator(R.drawable.mybutton);
        // showing the back button in action bar
        actionBar.setDisplayHomeAsUpEnabled(true);
    }
    @Override
    public boolean onOptionsItemSelected(@NonNull
MenuItem item) {
        switch(item.getItemId()){
            case android.R.id.home:
                Intent mainactivity= new Intent(MCA.this,
MainActivity.class);
                startActivity(mainactivity);
                return true;
        return super.onOptionsItemSelected(item);
    }
}
```



MainActivity.java

```
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import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
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public class MainActivity extends AppCompatActivity {
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    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.sidemenu, menu);
        return true;
    }
    @Override
    public boolean onOptionsItemSelected(@NonNull
MenuItem item) {
        switch(item.getItemId()){
            case R.id.help:
Toast.makeText(this, "Help", Toast.LENGTH LONG).show();
            case R.id.contactus:
                Toast.makeText(this, "Contact
Us", Toast. LENGTH LONG) . show();
            case R.id.subitemmca:
                Intent imca= new
Intent (MainActivity.this, MCA.class);
                startActivity(imca);
```

```
case R.id.exit:
                 this.finish();
        return super.onOptionsItemSelected(item);
    }
}
Sidemenu.xml
<?xml version="1.0" encoding="utf-8"?>
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xmlns:android="http://schemas.android.com/apk/res/android
    xmlns:app="http://schemas.android.com/apk/res-auto">
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        android:title="About Us"
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    </item>
    <item android:id="@+id/phone"</pre>
        android:title="Phone"
        android:icon="@drawable/phone"
        app:showAsAction="ifRoom"/>
    <item android:id="@+id/email"</pre>
        android:title="E-mail"
        android:icon="@drawable/email"
        app:showAsAction="always"/>
    <item android:id="@+id/sms"</pre>
```

```
android:icon="@drawable/sms"
        app:showAsAction="withText"/>
    <item android:id="@+id/contactus"</pre>
        android:title="Contact Us"
        app:showAsAction="never"/>
    <item android:id="@+id/exit"</pre>
        android:title="Exit"
        app:showAsAction="never"/>
</menu>
Create Any other activity to be connected, in this case MCA
Activity_mca.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:layout width="match parent"
    android:layout height="match parent"
    android:gravity="center"
    tools:context=".MCA">
<Button
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="GDCST MCA Sem III"
```

android:title="SMS"

```
</LinearLayout>
Mca.java
package com.example.optionsmenuexample;
import androidx.annotation.NonNull;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
public class MCA extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity mca);
        // calling the action bar
        ActionBar actionBar = getSupportActionBar();
       // Customize the back button
actionBar.setHomeAsUpIndicator(R.drawable.mybutton);
        // showing the back button in action bar
        actionBar.setDisplayHomeAsUpEnabled(true);
    }
    @Override
    public boolean onOptionsItemSelected(@NonNull
MenuItem item) {
        switch(item.getItemId()){
            case android.R.id.home:
                Intent mainactivity = new Intent (MCA.this,
MainActivity.class);
```