

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"
    android:title="Help"
    app:showAsAction="never"/>

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

```

<item android:id="@+id/phone"
      android:title="Phone"
      android:icon="@drawable/phone"
      app:showAsAction="ifRoom"/>

<item android:id="@+id/email"
      android:title="E-mail"
      android:icon="@drawable/email"
      app:showAsAction="always"/>

<item android:id="@+id/sms"
      android:title="SMS"
      android:icon="@drawable/sms"
      app:showAsAction="withText"/>

<item android:id="@+id/contactus"
      android:title="Contact Us"
      app:showAsAction="never"/>

<item android:id="@+id/exit"
      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);
}
}

```

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);

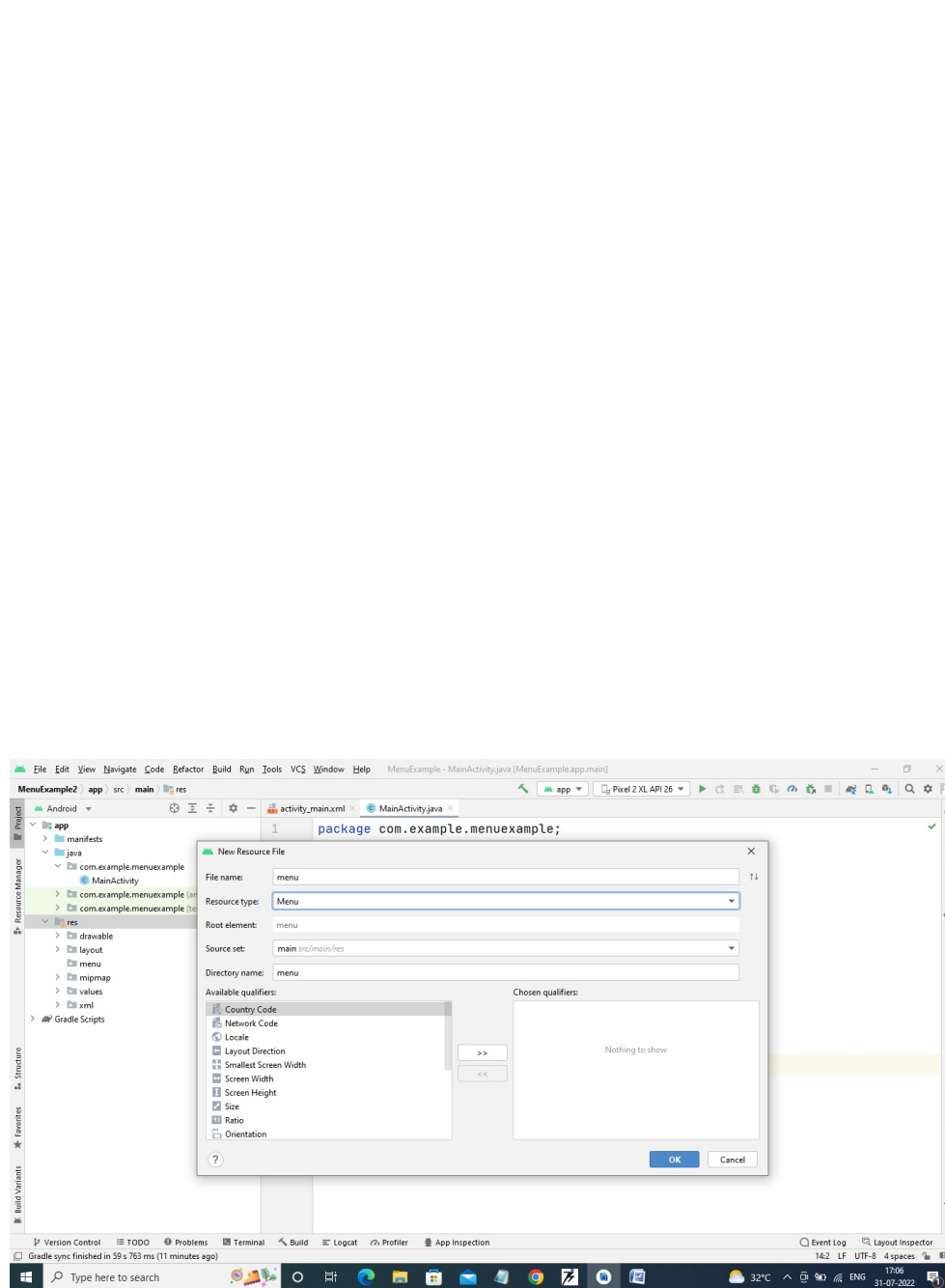
        // calling the action bar
        ActionBar actionBar = getSupportActionBar();
        // Customize the back button

        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);
                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;
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public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
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        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);
}
}

```

.....

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            android:title="MCA"/>
        <item android:id="@+id/subitemmsc"
            android:title="MSc"/>
        <item android:id="@+id/subitempgdca"
            android:title="PGDCA"/>
    </menu>
</item>

<item android:id="@+id/phone"
    android:title="Phone"
    android:icon="@drawable/phone"
    app:showAsAction="ifRoom"/>
<item android:id="@+id/email"
    android:title="E-mail"
    android:icon="@drawable/email"
    app:showAsAction="always"/>
<item android:id="@+id/sms"

```



```
        android:title="SMS"
        android:icon="@drawable/sms"
        app:showAsAction="withText"/>
```

```
    <item android:id="@+id/contactus"
        android:title="Contact Us"
        app:showAsAction="never"/>
```

```
    <item android:id="@+id/exit"
        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"
```

```
    />
</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);
```

```
        startActivity(mainactivity);  
        return true;  
    }  
    return super.onOptionsItemSelected(item);  
}  
  
}
```