

Menu (Drawer)

- ▶ 1- **supprimer ActionBar** (dans theme.xml)
- ▶ remplacer

```
parent="Theme.MaterialComponents.DayNight.DarkActionBar"
```

par

```
parent="Theme.AppCompat.DayNight.NoActionBar"
```

Menu (Drawer)

- ▶ Modifier **activity_main.xml** (ajouter **DrawerLayout**)
- ▶ Remplacer

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

Par

```
<?xml version="1.0" encoding="utf-8"?>  
<androidx.drawerlayout.widget.DrawerLayout xmlns:android="http://schemas.android.com/apk/res-auto"  
    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"  
    tools:openDrawer="start"  
    android:id="@+id/myDrawer">
```

Menu (Drawer)

- ▶ Ajouter **Toolbar** dans **activity_main.xml**

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">

    <androidx.appcompat.widget.Toolbar
        android:id="@+id/myToolbar"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@color/purple_200"
        android:titleTextColor="@color/white"/>

</LinearLayout>
```

S'assurer d'utiliser
`<androidx.appcompat.widget.Tool`

Et non pas
`<Toolbar`

Menu (Drawer)

- ▶ Dans MainActivity.java

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

Menu (Drawer)

- ▶ Créer header du Drawer
- ▶ Dans le dossier layout ajouter layout pour header



Menu (Drawer)

- ▶ Ajouter dossier menu
- ▶ Clic doroit sur **res** → **new** → **Android Resource Directory** puis choisissez menu

Ensuite

- ▶ Clic doroit sur **menu** → **New** → **Menu Resource File** (main_menu.xml)

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item
        android:id="@+id/home"
        android:title="Home"
        android:icon="@drawable/baseline_home_24"/>
    <item
        android:id="@+id/profile"
        android:title="Profile"
        android:icon="@drawable/baseline_supervised_user_circle_24"/>
    <item
        android:id="@+id/share"
        android:title="Share"
        android:icon="@drawable/baseline_share_24"/>
</menu>
```

Menu (Drawer)

- ▶ Ajouter **NavigationView** dans activity_main.xml

```
<com.google.android.material.navigation.NavigationView  
    android:id="@+id/myNav"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
  
    app:headerLayout="@layout/nav_header_layout"  
    app:menu="@menu/main_menu"  
  
    android:layout_gravity="start"/>
```

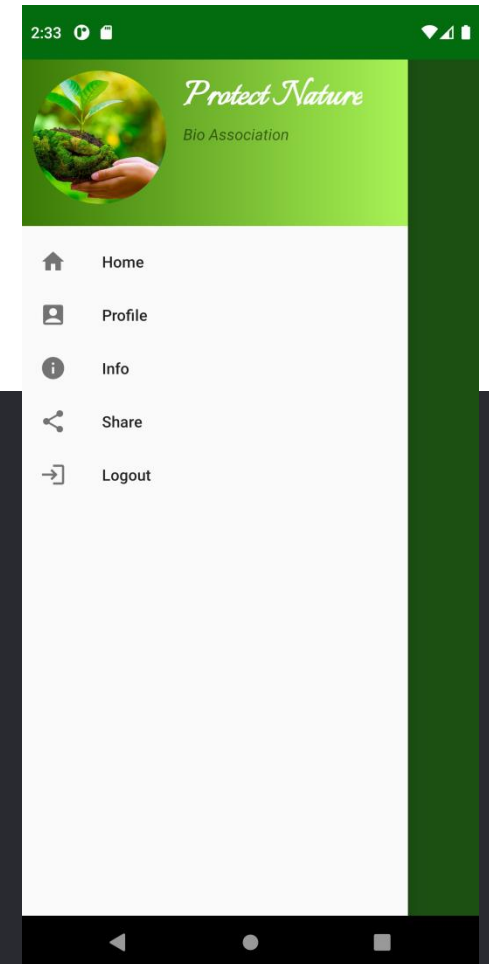
Menu (Drawer)

▶ Ajouter toggle

```
public class MainActivity extends AppCompatActivity {  
    Toolbar toolbar;  
    NavigationView navigationView;  
    DrawerLayout drawerLayout;  
    ActionBarDrawerToggle toggle;
```

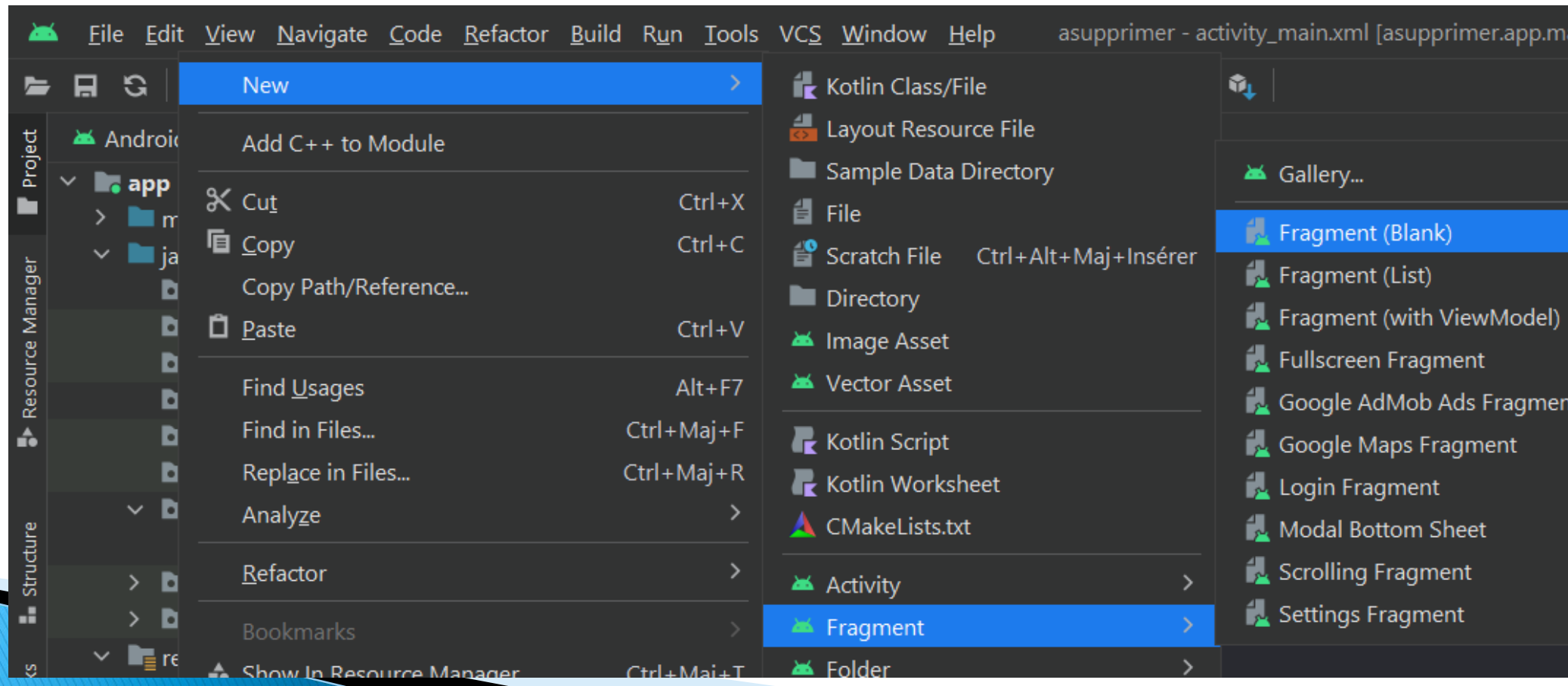
```
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
  
        toolbar = findViewById(R.id.myToolbar);  
        setSupportActionBar(toolbar);
```

```
        navigationView = findViewById(R.id.myNav);  
        drawerLayout = findViewById(R.id.myDrawer);  
        toggle = new ActionBarDrawerToggle(this, drawerLayout, toolbar, R.string.open, R.string.close);  
        drawerLayout.addDrawerListener(toggle);  
        toggle.syncState();
```



Menu (Drawer)

- ▶ Ajouter des fragement
- ▶ Clic droit sur layout (créer HomeFragment)



Menu (Drawer)

- ▶ Dans MainActivity.java

```
navigationView.setNavigationItemSelectedListener(new NavigationView.OnNavigationItemSelectedListener() {  
    @Override  
    public boolean onNavigationItemSelected(@NonNull MenuItem item) {  
        switch (item.getItemId()){  
            case R.id.home:  
                //Toast.makeText(MainActivity.this,"Home clicked",Toast.LENGTH_LONG).show();  
                getSupportFragmentManager().beginTransaction().replace(R.id.myframeLayout,new HomeFragment()  
                drawerLayout.closeDrawer(GravityCompat.START);  
                break;  
            case R.id.profile:  
                //Toast.makeText(MainActivity.this,"Home clicked",Toast.LENGTH_LONG).show();  
                getSupportFragmentManager().beginTransaction().replace(R.id.myframeLayout,new ProfileFragment()  
                drawerLayout.closeDrawer(GravityCompat.START);  
                break;  
        }  
        return true;  
    }  
});  
}
```

Menu (Drawer)

- Pour afficher toggle dans tous les fragment
- Mettez les views dans l'ordre ci-contre

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.drawerlayout.widget.DrawerLayout 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"
    tools:context=".MainActivity"
    tools:openDrawer="start"
    android:id="@+id/myDrawer">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">
```

```
<androidx.appcompat.widget.Toolbar
    android:id="@+id/myToolbar"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@color/purple_200"
    android:titleTextColor="@color/white"/>
```

```
<FrameLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:id="@+id/myframeLayout" />
```

```
</LinearLayout>
```

```
<com.google.android.material.navigation.NavigationView
    android:id="@+id/myNav"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    app:headerLayout="@layout/nav_header_layout"
    app:menu="@menu/main_menu"
    android:layout_gravity="start"/>
```

```
</androidx.drawerlayout.widget.DrawerLayout>
```