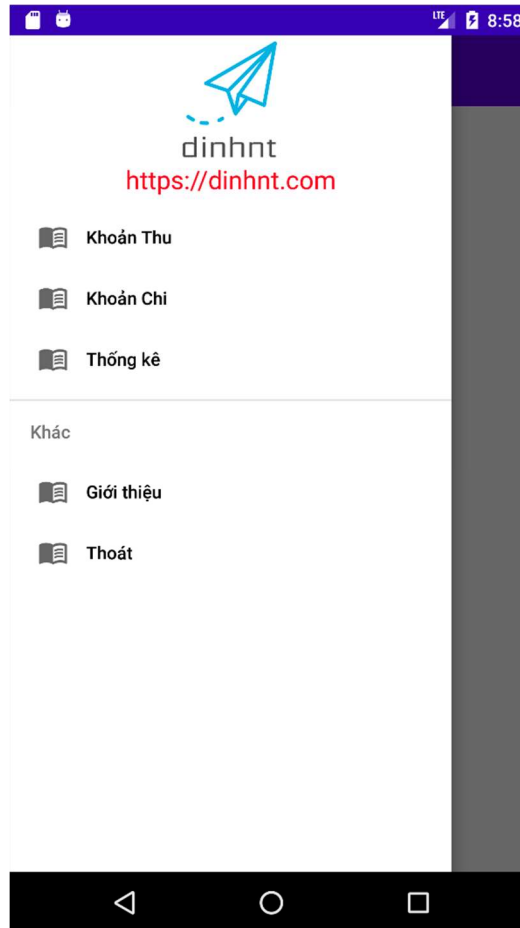


Navigation Drawer (DinhNT)



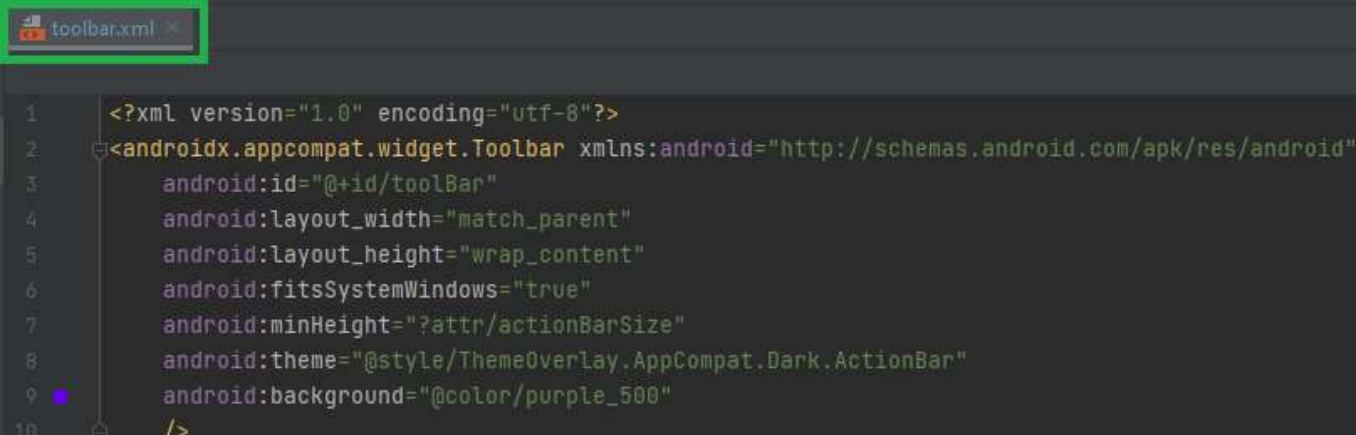
- Tạo một số Fragment tương ứng với các chức năng trong Menu (Drawer Navigation)

```
KhoanThuFragment.java
1 package com.dinhnt.fpl_asm_androidui.fragment.khoan_thu;
2
3 import ..
17
18 public class KhoanThuFragment extends Fragment {
19
20     @Nullable
21     @Override
22     public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {
23         View view = inflater.inflate(R.layout.fragment_khoan_thu, container, attachToRoot: false);
24
25         return view;
26     }
27 }
```

- Tạo 1 file menu (**menu.xml**) cho Navigation Drawer


```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item
        android:id="@+id/mThu"
        android:title="Khoản thu"
        android:icon="@drawable/ic_android_black_24dp"/>
    <item
        android:id="@+id/mChi"
        android:title="Khoản chi"
        android:icon="@drawable/ic_android_black_24dp"/>
    <item
        android:id="@+id/mThongKe"
        android:title="Thống kê"
        android:icon="@drawable/ic_android_black_24dp"/>
</menu>
```

- Tạo 1 file layout cho toolbar



```
<?xml version="1.0" encoding="utf-8"?>
<androidx.appcompat.widget.Toolbar xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/toolBar"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:fitsSystemWindows="true"
    android:minHeight="?attr/actionBarSize"
    android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"
    android:background="@color/purple_500"
/>
```

- Sửa style thành **NoActionBar** trong file **themes.xml** để dùng ToolBar



```
<resources xmlns:tools="http://schemas.android.com/tools">
    <!-- Base application theme. -->
    <style name="Theme.FPL_ASM_AndroidUI" parent="Theme.MaterialComponents.DayNight.NoActionBar">
        <!-- Primary brand color. -->
        <item name="colorPrimary">@color/purple_500</item>
        <item name="colorPrimaryVariant">@color/purple_700</item>
        <item name="colorOnPrimary">@color/white</item>
        <!-- Secondary brand color. -->
        <item name="colorSecondary">@color/teal_200</item>
    </style>
</resources>
```

- Trong layout chính (MainActivity) thiết kế giao diện gồm **DrawerLayout** làm container lớn nhất. Bên trong gồm **LinearLayout** cho phần giữa và **NavigationView**. Trong **LinearLayout**, gắn file layout **toolbar** đã làm ở trên và một **LinearLayout** để load các **Fragment** khi click bên **Navigation**.

```
activity_main.xml x
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.drawerlayout.widget.DrawerLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:id="@+id/drawerLayout"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".MainActivity">
9
10     <LinearLayout
11         android:layout_width="match_parent"
12         android:layout_height="match_parent"
13         android:orientation="vertical">
14
15         <include layout="@layout/toolbar" />
16
17         <LinearLayout
18             android:id="@+id/linearLayout"
19             android:layout_width="match_parent"
20             android:layout_height="match_parent"
21             android:orientation="vertical" />
22
23     </LinearLayout>
24
25     <com.google.android.material.navigation.NavigationView
26         android:id="@+id/navigationView"
27         android:layout_width="match_parent"
28         android:layout_height="match_parent"
29         android:layout_gravity="start"
30         app:menu="@menu/menu_drawer" />
31
32 </androidx.drawerlayout.widget.DrawerLayout>
```

- Trong **MainActivity**, ánh xạ Toolbar và gắn menu lên Toolbar

```
toolbar = findViewById(R.id.toolbar);

setSupportActionBar(toolbar);
ActionBar actionBar = getSupportActionBar();
actionBar.setHomeAsUpIndicator(R.drawable.ic_menu);
actionBar.setDisplayHomeAsUpEnabled(true);
```

- Bắt sự kiện khi click icon trên ActionBar/ToolBar hiển thị trên Navigation Drawer bằng cách override hàm **onOptionsItemSelected** trong MainActivity.

```

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    if (item.getItemId() == android.R.id.home) {
        drawerLayout.openDrawer(GravityCompat.START);
    }
    return super.onOptionsItemSelected(item);
}

```

- Tiếp theo đó, bắt sự kiện **navigation.setNavigationItemSelectedListener** để click vào các item trên Navigation Drawer sẽ chuyển các Fragment tương ứng.

```

navigationView.setNavigationItemSelectedListener(new NavigationView.OnNavigationItemSelectedListener() {
    @Override
    public boolean onNavigationItemSelected(@NonNull MenuItem item) {
        FragmentManager fragmentManager = getSupportFragmentManager();
        Fragment fragment;
        switch (item.getItemId()) {
            case R.id.mThu:
                fragment = new ThuFragment();
                break;
            case R.id.mChi:
                fragment = new ChiFragment();
                break;
            case R.id.mThongKe:
                fragment = new ThongKeFragment();
                break;
            default:
                fragment = new ThuFragment();
                break;
        }
        fragmentManager.beginTransaction().replace(R.id.linearLayout, fragment).commit();
        setTitle(item.getTitle());
        drawerLayout.closeDrawer(GravityCompat.START);
        return false;
    }
});

```

CHÚC CÁC BẠN HOÀN THÀNH ASM THẬT TỐT <3

DinhNT