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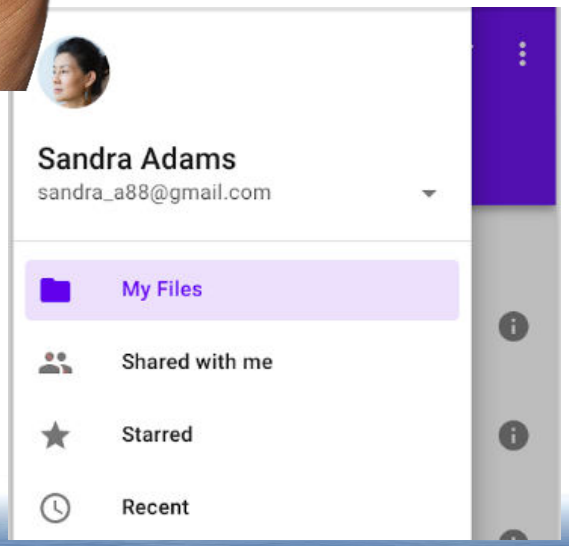
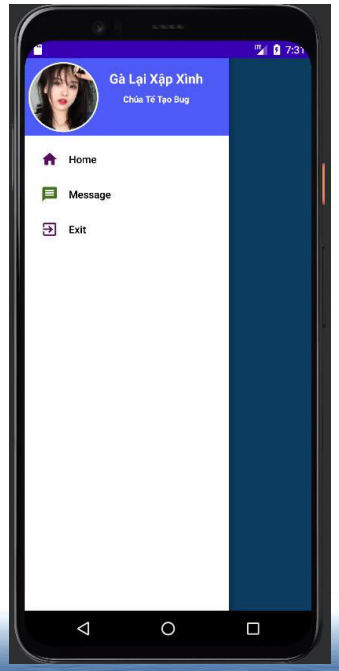
AndroidStudio Kotlin Bài 21

Android studio

Dễ Hiểu - Dễ học

Navigation Kotlin





1 NavigationView kotlin

❑ 1. Các bước xây dựng :

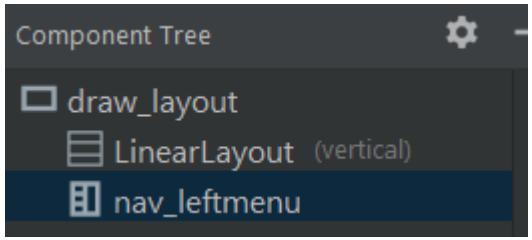
Step 1:
Make xml layout Header

Step 2:
Make menu xml

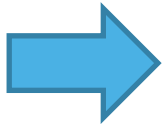
Step 3:
Khai báo header + menu vào NavigationView

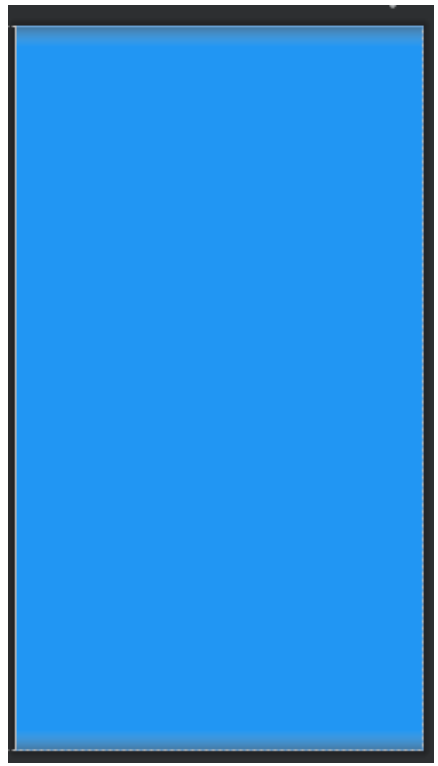
1 NavigationView kotlin

❑ Thiết kế giao diện :



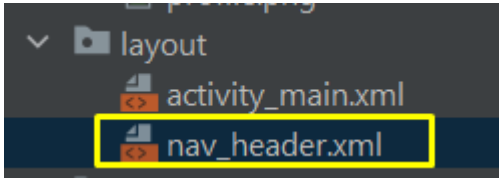

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.drawerlayout.widget.DrawerLayout xmlns:android="htt
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/draw_layout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="#2196F3"
        android:orientation="vertical" />

    <com.google.android.material.navigation.NavigationView
        android:id="@+id/nav_leftmenu"
        android:layout_width="wrap_content"
        android:layout_height="match_parent" />
</androidx.drawerlayout.widget.DrawerLayout>
```



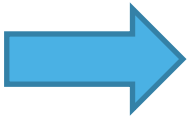


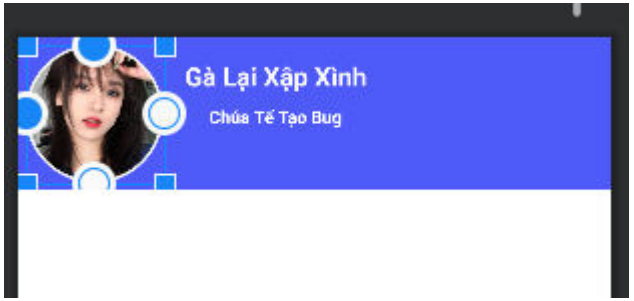
1 NavigationView kotlin

❑ Step 1: Tạo header xml :



Ảnh để trong drawable
và code toàn bộ bài 21
(API 24 android 7.0)
Pass unrar : tuhoc211





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21-navimenu.zip

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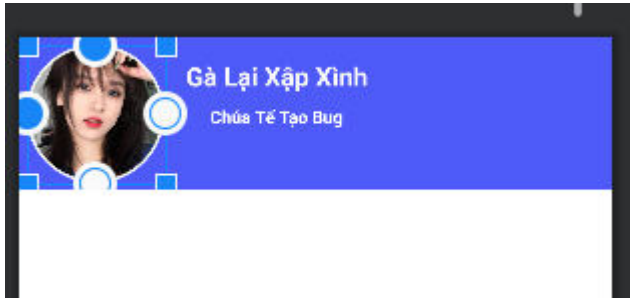
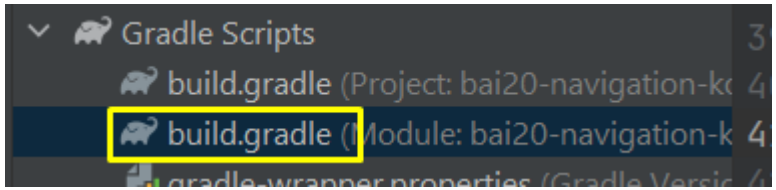
1 NavigationView kotlin

❑ Step 1: Tạo header xml :






```
dependencies {

    implementation 'androidx.core:core-ktx:1.7.0'
    implementation 'androidx.appcompat:appcompat:1.5.1'
    implementation 'com.google.android.material:material:
    implementation 'androidx.constraintlayout:constraintl
    implementation 'de.hdodenhof:circleimageview:3.1.0'
    implementation 'androidx.mediarouter:mediarouter:1.3.
```

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="ntt
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="#4E5BF8"
    android:padding="5dp"
    android:layout_height="wrap_content">

    <de.hdodenhof.circleimageview.CircleImageView
        android:id="@+id/profile_image"
        android:layout_width="96dp"
        android:layout_height="96dp"
        android:src="@drawable/profile"
        app:civ_border_color="#F6F5F5"
        app:civ_border_width="2dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="15dp"
        android:layout_marginTop="10dp"
        android:text="Gà Lại Xập Xình"
        android:textColor="#FBF9F9"
        android:textSize="18sp"
        android:textStyle="bold"
        app:layout_constraintStart_toEndOf="@+id/profile_image"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="8dp"
        android:text="Chúa Tể Tạo Bug"
        android:textColor="#FFFFFF"
        android:textSize="12sp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="@+id/textView"
        app:layout_constraintStart_toStartOf="@+id/textView"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

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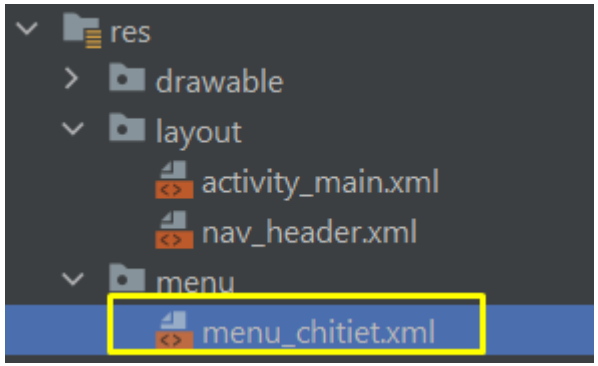
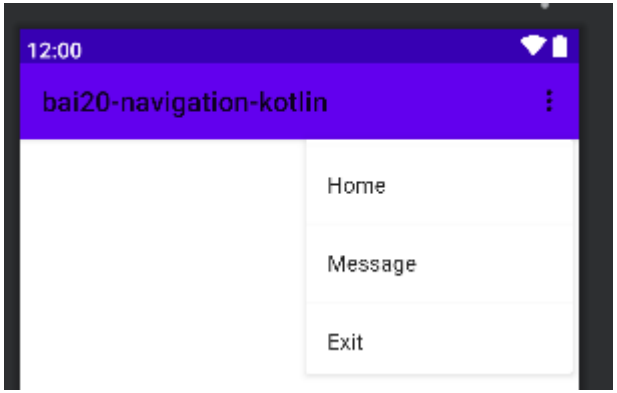
❑ Step 2: Tạo menu xml :




```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/
    xmlns:app="http://schemas.android.com/apk/res-a
    <item
        android:id="@+id/nav_home"
        android:icon="@drawable/ic_home"
        android:title="Home" />
    <item
        android:id="@+id/nav_message"
        android:icon="@drawable/ic_message"
        android:title="Message" />
    <item
        android:id="@+id/nav_exit"
        android:icon="@drawable/ic_exit"
        android:title="Exit" />
</menu>
```



1 NavigationView kotlin

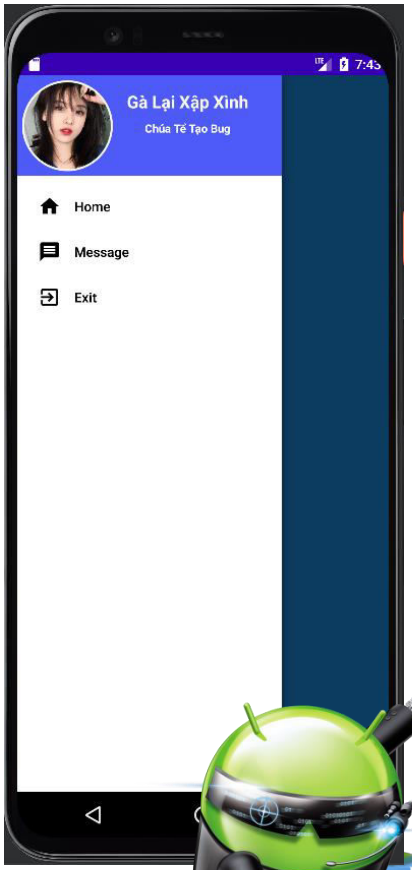
❑ Step 2: Add header và menu vào NavigationView :

activity_main.xml | nav_header.xml | menu_chitiet.xml | MainActivity.kt

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.drawerlayout.widget.DrawerLayout xmlns:android="http:
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/draw_layout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="#2196F3"
        android:orientation="vertical" />

    <com.google.android.material.navigation.NavigationView
        android:id="@+id/nav_leftmenu"
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:layout_gravity="start"
        app:headerLayout="@layout/nav_header"
        app:menu="@menu/menu_chitiet"/>
</androidx.drawerlayout.widget.DrawerLayout>
```



1 NavigationView kotlin

❑ Xử lý sự kiện trên item menu :

ivity_main.xml | nav_header.xml | menu_chitiet.xml | MainActivity.kt

```
package com.tuhoc.bai20_navigation_kotlin

import ...

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        //sử dụng màu cho icon
        nav_leftmenu.itemIconTintList = null
        //lắng nghe sự kiện click lên item menu
        nav_leftmenu.setNavigationItemSelectedListener { it: MenuItem
            when(it.itemId){
                R.id.nav_home->Toast.makeText( context: this, text: "Home",Toast.LENGTH_SHORT).show()
                R.id.nav_message->Toast.makeText( context: this, text: "Message",Toast.LENGTH_SHORT).show()
                R.id.nav_exit->finish()
            }
            true ^setNavigationItemSelectedListener
        }
    }
}
```