**Actual Fucking Instructions for Module 4**

1. Create a new project in Android Studio
   1. Choose **empty views activity**
   2. Name it **“NavigationDrawer”**
   3. Make sure the language is set to **Kotlin**
   4. Select **API 25: Android 5 (Lolipop)**
2. Open the **Gradle Scripts** folder in the navigation and open the **build.gradle (:app)** and add this code to the dependencies section:

def lifecycle\_version = "2.2.0"  
implementation "androidx.lifecycle:lifecycle-livedata-ktx:$lifecycle\_version"  
implementation "androidx.lifecycle:lifecycle-viewmodel-ktx:$lifecycle\_version"  
implementation "com.google.android.material:material:$version"

1. You need to sync the new dependencies, so click **file** and click **Sync Project with Gradle Files**
2. Open the **activity\_main.xml** file and replace any text with this:

<?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:id="@+id/drawer\_layout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:fitsSystemWindows="true"  
 tools:openDrawer="start">  
  
 <include  
 layout="@layout/app\_bar\_main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent" />  
  
 <androidx.constraintlayout.widget.ConstraintLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <fragment  
 android:id="@+id/nav\_host\_fragment"  
 android:name="androidx.navigation.fragment.NavHostFragment"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:defaultNavHost="true"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:navGraph="@navigation/nav\_graph" />  
  
 </androidx.constraintlayout.widget.ConstraintLayout>  
  
 <com.google.android.material.navigation.NavigationView  
 android:id="@+id/nav\_view"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_gravity="start"  
 android:fitsSystemWindows="true"  
 app:headerLayout="@layout/nav\_header\_main"  
 app:menu="@menu/drawer\_menu" />  
  
</androidx.drawerlayout.widget.DrawerLayout>

//There might be some errors for now, but they’ll get fixed as the other files are made

1. Under **res/layout**, right-click layout and create a new file and name it app\_bar\_main.xml and replace any code with:

<?xml version="1.0" encoding="utf-8"?>  
  
<androidx.coordinatorlayout.widget.CoordinatorLayout 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">  
  
<com.google.android.material.appbar.AppBarLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:theme="@style/Theme.NavigationDrawer.AppBarOverlay">  
  
 <androidx.appcompat.widget.Toolbar  
 android:id="@+id/toolbar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="?attr/actionBarSize"  
 android:background="?attr/colorPrimary"  
 app:popupTheme="@style/Theme.NavigationDrawer.PopupOverlay" />  
  
</com.google.android.material.appbar.AppBarLayout>  
</androidx.coordinatorlayout.widget.CoordinatorLayout>

1. Make another new file and name it nav\_header\_main.xml and replace any code with:

<?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"  
 android:layout\_width="match\_parent"  
 android:layout\_height="@dimen/nav\_header\_height"  
 android:gravity="bottom"  
 android:orientation="vertical"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:paddingTop="@dimen/nav\_header\_vertical\_spacing"  
 android:text="@string/nav\_header\_title"  
 android:textAppearance="@style/TextAppearance.AppCompat.Body1" />  
  
</LinearLayout>