Assignment – 3

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Youtube App

MainActivity.kt –

```
package com.youtubeapp_20BCE1409.views.activities

import androidx.appcompat.app.AppCompatActivity import
android.os.Bundle import android.view.View import
androidx.navigation.fragment.NavHostFragment import
androidx.navigation.ui.setupWithNavController import

class MainActivity : AppCompatActivity() {

    private lateinit var binding: ActivityMainBinding

    override fun onCreate(savedInstanceState: Bundle?) {
super.onCreate(savedInstanceState)        binding =
ActivityMainBinding.inflate(layoutInflater)        val view
= binding.root        setContentView(view)
setupNav()
    }

    private fun setupNav() {
        val navHostFragment =
supportFragmentManager.findFragmentById(R.id.fragmentContainerView) as NavHostFragment
        val navController = navHostFragment.navController
```

```kotlin
        //set nav to automatically assign destinations from menu
binding.bottomNavigationView.setupWithNavController(navController)

        navController.addOnDestinationChangedListener { _, destination, _ ->
            when (destination.id) {
                R.id.fragmentHomeScreen -> showBottomNav()
                else -> hideBottomNav()
            }
        }
    }

    private fun showBottomNav() {
binding.bottomNavigationView.visibility = View.VISIBLE
    }

    private fun hideBottomNav() {
binding.bottomNavigationView.visibility = View.GONE

    }

}
```

HomeScreen.kt –

```kotlin
package com.breens.youtubeclone.views.fragments

import android.os.Bundle import android.view.LayoutInflater import
android.view.View import android.view.ViewGroup import
androidx.appcompat.app.AppCompatActivity import
androidx.fragment.app.Fragment import com.breens.youtubeclone.R import
com.breens.youtubeclone.databinding.FragmentHomeScreenBinding
```

```kotlin
class FragmentHomeScreen: Fragment(R.layout.fragment_home_screen) {
private var _binding: FragmentHomeScreenBinding? = null    private val
binding get() = _binding!!

    override fun onCreateView(
inflater: LayoutInflater,        container:
ViewGroup?,        savedInstanceState:
Bundle?
    ): View {
        _binding = FragmentHomeScreenBinding.inflate(inflater, container, false)
hideActionBar()        return binding.root
    }

    private fun hideActionBar() {
        (activity as AppCompatActivity).supportActionBar?.hide()
    }

    override fun onDestroyView() {
super.onDestroyView()
        _binding = null
    }
}
```

Splash.kt –

```kotlin
package com.breens.youtubeclone.views.fragments

import android.os.Bundle import android.view.LayoutInflater import
android.view.View import android.view.ViewGroup import
androidx.appcompat.app.AppCompatActivity import
```

```kotlin
androidx.fragment.app.Fragment import com.breens.youtubeclone.R import
com.breens.youtubeclone.databinding.FragmentHomeScreenBinding


class FragmentHomeScreen: Fragment(R.layout.fragment_home_screen) {
private var _binding: FragmentHomeScreenBinding? = null    private val
binding get() = _binding!!

    override fun onCreateView(
        inflater: LayoutInflater,
container: ViewGroup?,
savedInstanceState: Bundle?
    ): View {
        _binding = FragmentHomeScreenBinding.inflate(inflater, container, false)
hideActionBar()        return binding.root
    }

    private fun hideActionBar() {
        (activity as AppCompatActivity).supportActionBar?.hide()
    }

    override fun onDestroyView() {
super.onDestroyView()
        _binding = null
    }
}
```

AndroidManifest.xml –

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
package="com.breens.youtubeclone">
```

```xml
        <application        android:allowBackup="true"
android:icon="@mipmap/ic_launcher"
android:label="@string/app_name"
android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
android:theme="@style/Theme.YoutubeClone">
        <activity
            android:name=".views.activities.MainActivity"
android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />


                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>


</manifest>
```

Navgraph.xml –

```xml
<?xml version="1.0" encoding="utf-8"?>
<navigation 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/nav_graph"    app:startDestination="@id/splashScreen">


    <fragment        android:id="@+id/splashScreen"
android:name="com.breens.youtubeclone.views.fragments.FragmentSplash"
```

```
android:label="fragment_splash_screen"

tools:layout="@layout/fragment_splash_screen" >

    <action

        android:id="@+id/action_splashScreen_to_fragmentHomeScreen"

app:destination="@id/fragmentHomeScreen"

app:popUpTo="@id/nav_graph"/>

    </fragment>    <fragment        android:id="@+id/fragmentHomeScreen"

android:name="com.breens.youtubeclone.views.fragments.FragmentHomeScreen"

android:label="FragmentHomeScreen"

tools:layout="@layout/fragment_home_screen"/>

</navigation>
```

ExampleTest.kt –

```
package com.breens.youtubeclone


import androidx.test.platform.app.InstrumentationRegistry import

androidx.test.ext.junit.runners.AndroidJUnit4


import org.junit.Test import

org.junit.runner.RunWith


import org.junit.Assert.*


@RunWith(AndroidJUnit4::class) class

ExampleInstrumentedTest {

    @Test    fun

useAppContext() {

        // Context of the app under test.        val appContext =

InstrumentationRegistry.getInstrumentation().targetContext

assertEquals("com.breens.youtubeclone", appContext.packageName)
```

```
    }
}
```