

Name – Mayank Godara

Reg. no. – 20BCE1512.

ANDROID DEVELOPMENT USING KOTLIN

ASSIGNMENT – 3.

YOUTUBE APP

MainActivity.kt

```
package com.breens.youtubecclone.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
com.breens.youtubecclone.R
import com.breens.youtubecclone.databinding.ActivityMainBinding

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

//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
}

}

package com.breens.youtubecclone.views.activities

import androidx.appcompat.app.AppCompatActivity import android.os.Bundle
import android.view.View
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import com.breens.youtubecclone.databinding.ActivityMainBinding

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```

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

HomeScreen.kt

```

package com.breens.youtubecclone.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.youtubecclone.R
import com.breens.youtubecclone.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
    }

}

```

Splash.kt

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

<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 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.youtubecclone.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.youtubecclone.views.fragments.FragmentHomeScreen"
android:label="FragmentHomeScreen"
tools:layout="@layout/fragment_home_screen"/>
</navigation>

```

ExampleTest.kt –

```

package com.breens.youtubecclone

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.youtubecclone", appContext.packageName)
    }
}
```

OUTPUT SCREENSHOT:

