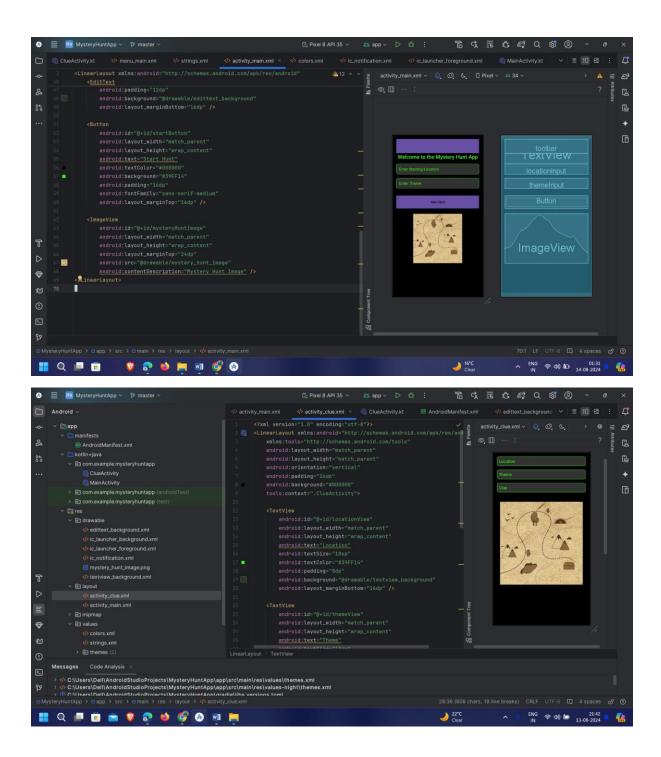
Mobile Programming Assignment 3

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Github Link: https://github.com/harsh74780/MysteryHuntApp.git



```
package com.example.mysteryhuntapp
import android.os.Bundle
import androidx.appcompat.app.AppCompatActivity
import android.widget.Button
import android.widget.EditText
import android.util.Log
class MainActivity : AppCompatActivity() {
   override fun onCreate(savedInstanceState: Bundle?) {
       super.onCreate(savedInstanceState)
       setContentView(R.layout.activity main)
       val locationInput: EditText = findViewById(R.id.locationInput)
       val themeInput: EditText = findViewById(R.id.themeInput)
       val startButton: Button = findViewById(R.id.startButton)
        startButton.setOnClickListener {
            val location = locationInput.text.toString()
            Log.d("MainActivity", "Location: $location, Theme: $theme")
```

ClueActivity.kt

```
import android.Manifest
import android.app.NotificationChannel
import android.app.NotificationManager
import android.content.Context
import android.content.pm.PackageManager
import android.os.Build
import android.os.Build
import android.s.Bundle
import androidx.appcompat.app.AppCompatActivity
import androidx.core.app.ActivityCompat
import androidx.core.app.NotificationCompat
import androidx.core.app.NotificationManagerCompat
import androidx.core.content.ContextCompat
import android.widget.TextView
import android.util.Log
```

```
override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity clue)
        createNotificationChannel()
        val location = intent.getStringExtra("location")
$theme")
        val themeView: TextView = findViewById(R.id.themeView)
        val clueView: TextView = findViewById(R.id.clueView)
        themeView.text = theme
        clueView.text = generateClue(location, theme)
            if (ContextCompat.checkSelfPermission(this,
Manifest.permission.POST NOTIFICATIONS) !=
PackageManager.PERMISSION GRANTED) {
                ActivityCompat.requestPermissions(this,
arrayOf(Manifest.permission.POST NOTIFICATIONS),
                sendNotification(clueView.text.toString())
            sendNotification(clueView.text.toString())
   private fun sendNotification(clue: String) {
        val builder = NotificationCompat.Builder(this, channelId)
            .setPriority(NotificationCompat.PRIORITY HIGH)
            .setVibrate(longArrayOf(1000, 1000, 1000, 1000, 1000))
            .setLights(0xFF0000FF.toInt(), 3000, 3000)
            .setAutoCancel(true)
            with(NotificationManagerCompat.from(this)) {
                notify(0, builder.build())
        } catch (e: SecurityException) {
            Log.e("ClueActivity", "Notification permission not granted", e)
```