

Missão Prática | Nível 3 | Mundo 4

RPG0025 - Lidando com sensores em dispositivos móveis

Aluna: Simone Ramos de Jesus.

Matricula: 202208290965.

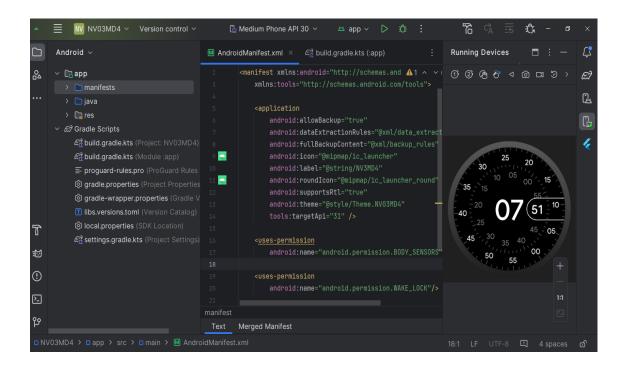
Curso: Desenvolvimento Full Stack.

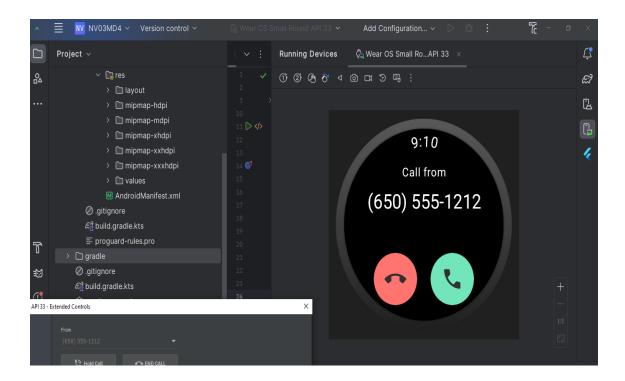
Campus: Polo Prado – Belo Horizonte – MG.

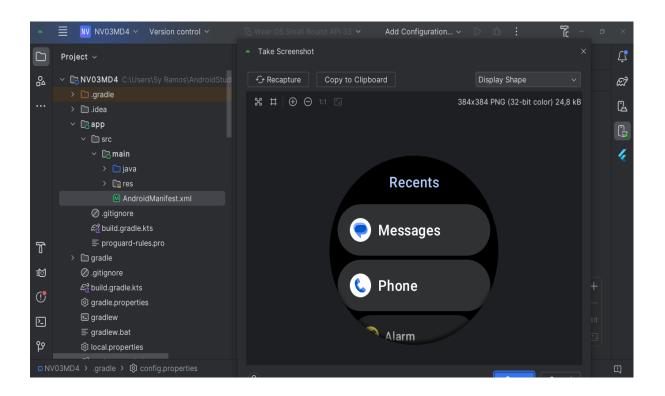
Objetivos da prática:

- Instalação do Android Studio e do emulador;
- Criar um app para Wear OS;
- Executar um app no emulador;
- Fazer capturas de telas no Android Studio;
- Fazer capturas de telas com app complementar.

Android Studio:







Visual Studio Code:

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                                                         ■ MainActivity.kt ×  

Configurações
        > 🥦 .idea
                                           package com.example.nv03md4
        import android.os.Bundle
         ∨ 📹 src\main
                                            import androidx.activity.enableEdgeToEdge
          ∨ 📹 java∖com∖... 🌘
                                            import androidx.appcompat.app.AppCompatActivity
          K AudioHel... M
                                            import androidx.core.view.ViewCompat
                                           import androidx.core.view.WindowInsetsCompat
              MainActivityWe...
                                           class MainActivity : AppCompatActivity() {
           > ii res

← AndroidManifest....

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✓ AndroidManifest....
                                                     super.onCreate(savedInstanceState)
M
            .gitignore
                                                     enableEdgeToEdge()
            build.gradle.kts
                                                     setContentView(R.layout.activity_main)
            proguard-rules.pro
                                                    ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
                                                      val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
        > 🧋 gradle
           .gitignore
                                                         insets
           build.gradle.kts
           gradle.properties
           ☐ gradlew
           🗣 gradlew.bat
           settings.gradle.kts
```

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       > 🧋 .gradle
       > 🥦 .idea
                                       package com.example.nv03md4;
        ∨ 📹 src\main
                                       import android.content.Context;
        ∨ 📹 java\com\... 🍨
                                       import android.media.AudioManager;
                                  6 import android.content.pm.PackageManager;
7 import android.media.AudioDeviceInfo as AudioDeviceInfo1
             MainActivity.kt
            MainActivityWe...
                                       public class AudioHelper {
         > = res
           AndroidManifest....
                                           private final AudioManager audioManager;
M
          .gitignore
                                           private final Context appContext;
          build.gradle.kts
          proguard-rules.pro
                                           public AudioHelper(Context context) {
       > 📂 gradle
                                               this.appContext = context;
                                                this.audioManager = (AudioManager) context.getSystemService(Context.AUDIO_SERVICE);
          .gitignore
         build.gradle.kts
          gradle.properties
                                           public boolean isAudioOutputAvailable(int deviceType) {
         gradlew
                                               PackageManager packageManager = appContext.getPackageManager();
          gradlew.bat
                                                \textbf{if (!packageManager.hasSystemFeature(PackageManager.FEATURE\_AUDIO\_OUTPUT)) } \\ \{
         settings.gradle.kts
                                               AudioDeviceInfo1[] devices = audioManager.getDevices(AudioManager.GET_DEVICES_OUTPUTS); for (AudioDeviceInfo device : devices) {
```

