

Campus: Rua Manoel João Gonçalves, 410/412 – Alcântara CEP: 24711-080

Curso: Desenvolvimento Full-Stack

Disciplina: RPG0025 - Lidando com sensores em dispositivos móveis

Turma: 9001

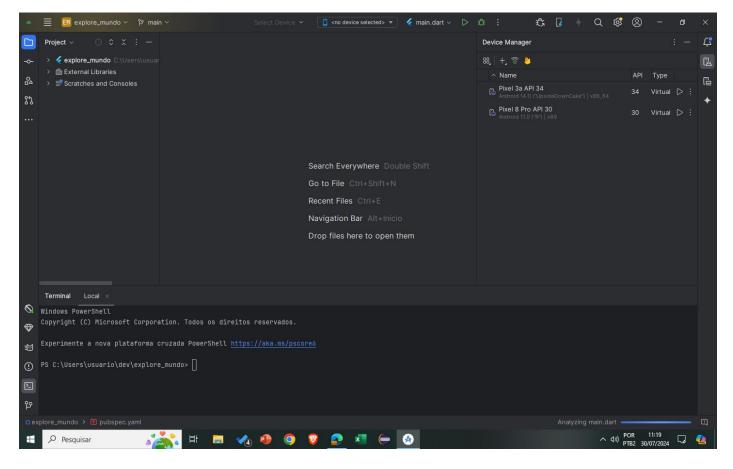
Semestre letivo: 2024.2 FLEX

Integrante:

Nome: Samir Campos Lima Matrícula: 2022.11.47141-1

Link do repositório no GIT: samircamposlima/Miss-o-Pr-tica-N-vel-3-Mundo-4 (github.com)

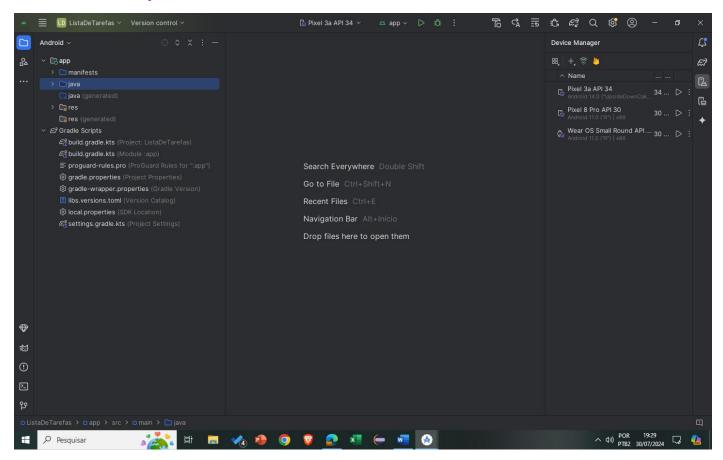
Microatividade 1: Implementar a visão geral e melhores práticas para acesso a sensores



Microatividade 2: Criando um novo projeto no Android Studio

Estrutura de pagina:

ListaDeTarefas/	
—— app/	
libs/	
	mipmap-xxxhdpi/
com/example/listadetarefas/	
ExampleInstrumentedTest.java	
	L— com/example/listadetarefas/
	│
	│
L—com/example/listadetarefas/	proguard-rules.pro
MainActivity.java	— build.gradle
	settings.gradle
	└── gradle/
	└── wrapper/
L— activity_main.xml	gradle-wrapper.jar
	└── gradle-wrapper.properties
Continua ao lado→	



Microatividade 3: Arquivos de Lógica e

Configurações



Microatividade 4: Criando um emulador



Microatividade 5: Fazer capturas de telas com app complementar

```
package com.example.doma;
import android.content.Context;
import android.media.AudioDeviceCallback;
import android.media.AudioDeviceInfo;
       this.audioManager = (AudioManager)
context.getSystemService(Context.AUDIO_SERVICE);
       AudioHelper audioHelper = new AudioHelper(context);
       audioManager.registerAudioDeviceCallback(new AudioDeviceCallback() {
            public void onAudioDevicesAdded(AudioDeviceInfo[] addedDevices) {
                super.onAudioDevicesAdded(addedDevices);
                    if (device.getType() != AudioDeviceInfo.TYPE BLUETOOTH A2DP) {
                    if (device.getType() == AudioDeviceInfo.TYPE BLUETOOTH A2DP) {
```

```
package com.example.doma;

import android.content.Context;
import android.media.AudioDeviceInfo;
import android.media.AudioDeviceInfo;
import android.media.AudioManager;
import android.content.pm.PackageManager;

public class AudioHelper {
    private final AudioManager audioManager;
    private final Context context;

    public AudioHelper(Context context) {
        this.audioManager = (AudioManager)
        context.getSystemService(Context.AUDIO_SERVICE);
        this.context = context;
    }

    public boolean isAudioOutputAvailable(int type) {
        if
        (!context.getPackageManager().hasSystemFeature(PackageManager.FEATURE_AUDIO_OUTPUT))) {
            return false;
        }
        AudioDeviceInfo[] devices =
        audioManager.getDevices(AudioManager.GET_DEVICES_OUTPUTS);
        for (AudioDeviceInfo device : devices) {
            if (device.getType() == type) {
                return true;
            }
        }
        return false;
    }
}

return false;
}
```

```
package com.example.doma;
import static android.content.Intent.FLAG_ACTIVITY_NEW_TASK;
import android.content.Context;
import android.content.Intent;
import android.provider.Settings;

public class BluetoothHelper {
    public static void openBluetoothSettings(Context context) {
        Intent intent = new Intent(Settings.ACTION_BLUETOOTH_SETTINGS);
        intent.addFlags(FLAG_ACTIVITY_NEW_TASK | Intent.FLAG_ACTIVITY_CLEAR_TASK);
        context.startActivity(intent);
    }
}
```

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:id="@+id/main"
    android:layout width="match parent"
        android:layout_width="174dp"
        android:layout height="41dp"
        android:layout marginStart="7dp"
        android:layout marginTop="29dp"
        android:layout marginEnd="7dp"
        app:layout constraintBottom toTopOf="@+id/bluetooth settings button"
        app:layout
        app:layout
        app:layout constraintStart toStartOf="parent"
        app:layout constraintTop toTopOf="parent"
        app:layout constraintVertical chainStyle="packed"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout constraintVertical bias="0.5"
        android:layout width="wrap content"
        android:layout height="wrap content"
        app:layout constraintGuide begin="20dp" />
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:orientation="horizontal"
        app:layout_constraintGuide begin="20dp" />
    <androidx.constraintlayout.widget.Guideline</pre>
        android:id="@+id/quideline3"
        android:layout width="wrap content"
        android:layout height="wrap content"
        app:layout constraintGuide end="207dp" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

