Android - TorchApp

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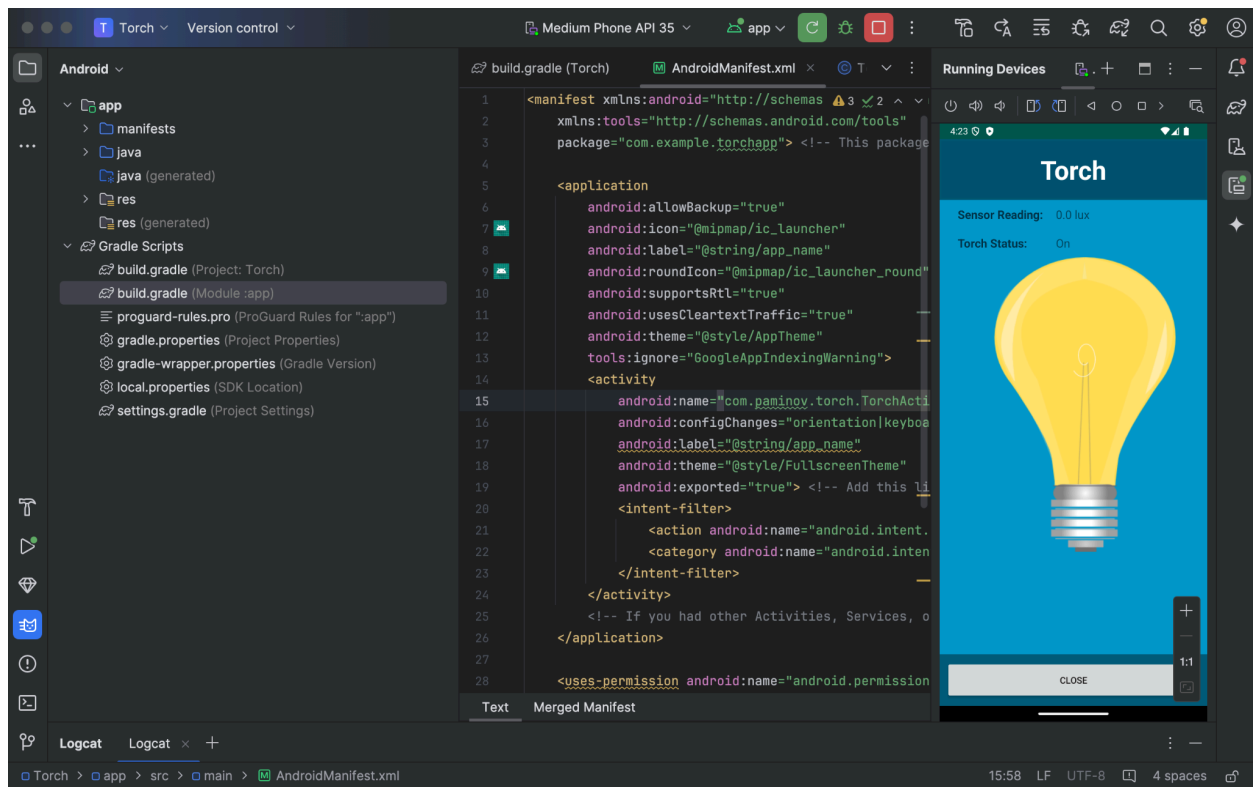Date: 04/10/2025

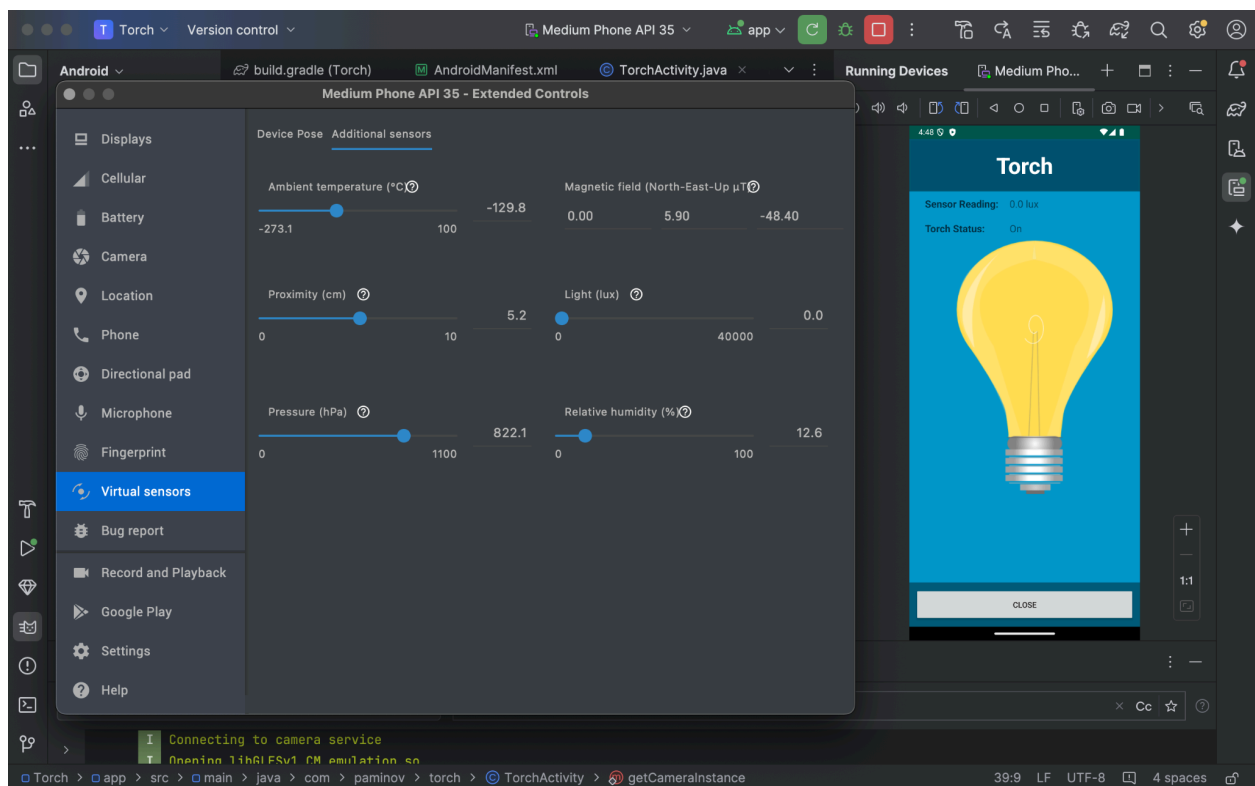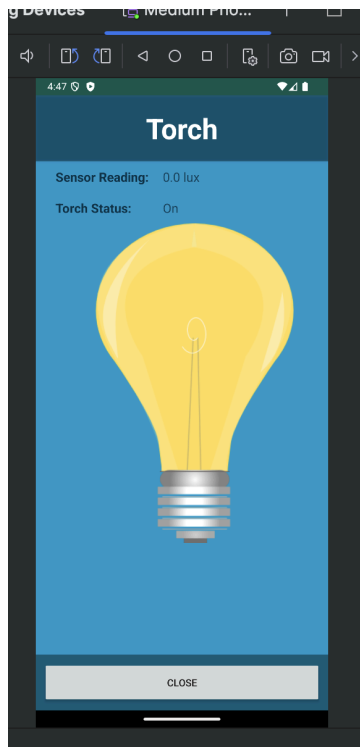Learning Objective: Sensor development

Please download the attached Torch Android App and run & capture the screen captures.

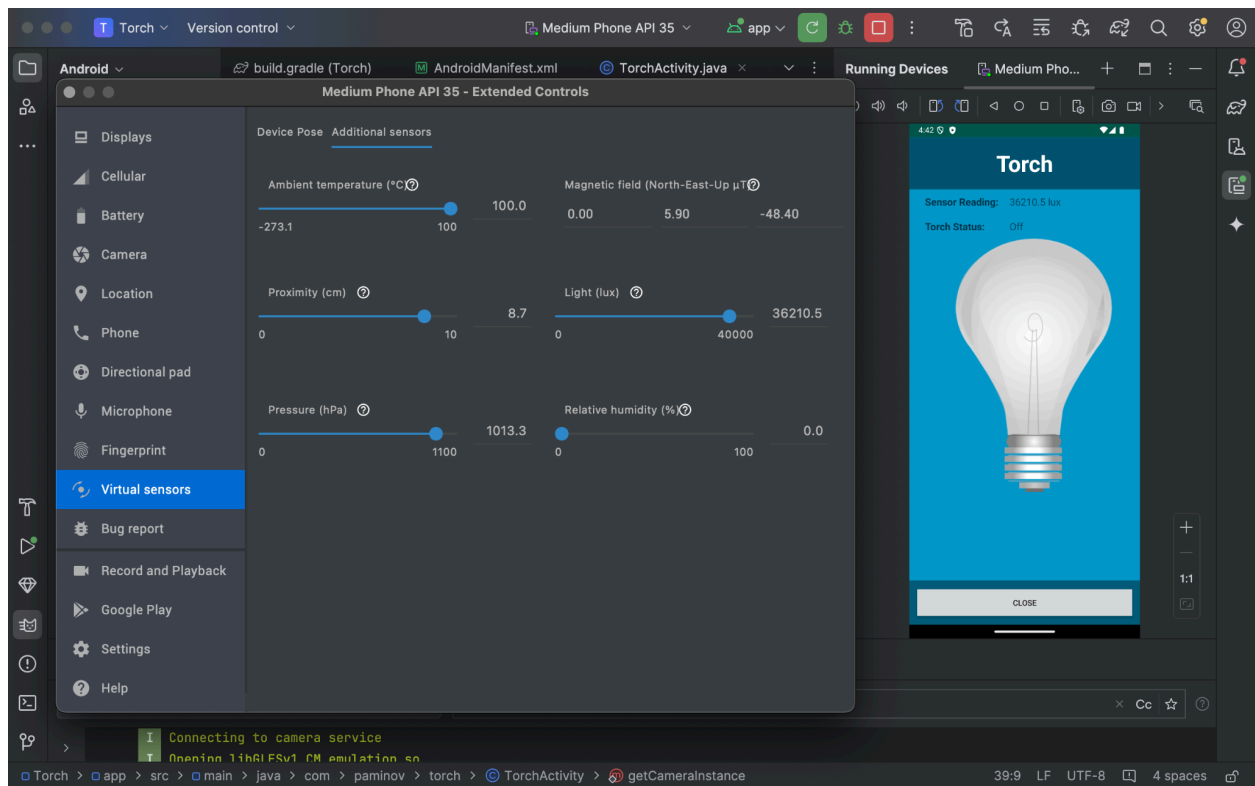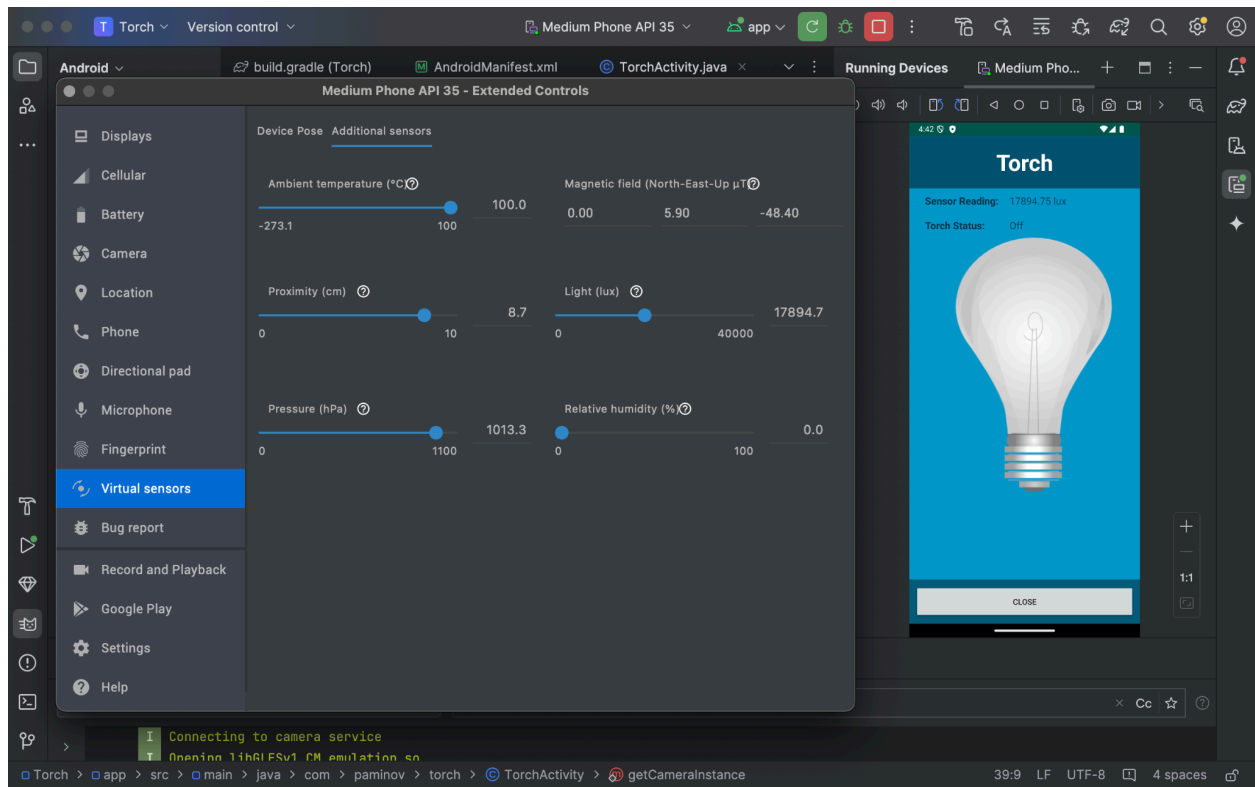Please observe how Light Sensors are installed and captured data!

Torch app :

Currently the light is 0 lux so the torch state is ON.

Torch

Sensor Reading: 0.0 lux

Torch Status: On

CLOSE

4:47

Torch ∨ Version control ∨   Medium Phone API 35 ∨   app ∨

Android ∨

build.gradle (Torch) AndroidManifest.xml TorchActivity.java

Running Devices Medium Pho...

Displays

Cellular

Battery

Camera

Location

Phone

Directional pad

Microphone

Fingerprint

Virtual sensors

Bug report

Record and Playback

Google Play

Settings

Help

Medium Phone API 35 - Extended Controls

Device Pose Additional sensors

Ambient temperature (°C) ⑦   -129.8
-273.1   100

Magnetic field (North-East-Up μT) ⑦
0.00   5.90   -48.40

Proximity (cm) ⑦   5.2
0   10

Light (lux) ⑦   0.0
0   40000

Pressure (hPa) ⑦   822.1
0   1100

Relative humidity (%) ⑦   12.6
0   100

Torch

Sensor Reading: 0.0 lux

Torch Status: On

CLOSE

4:48

1:1

Connecting to camera service
Opening libGLESv1_CM emulation.so

Torch > app > src > main > java > com > paminov > torch > TorchActivity > getCameraInstance

39:9   LF   UTF-8   4 spaces

Modify the light to see the changes

Torch

Sensor Reading: 29052.625 lux

Torch Status: Off

CLOSE

Github link : https://github.com/ananya101001/Android--TorchApp