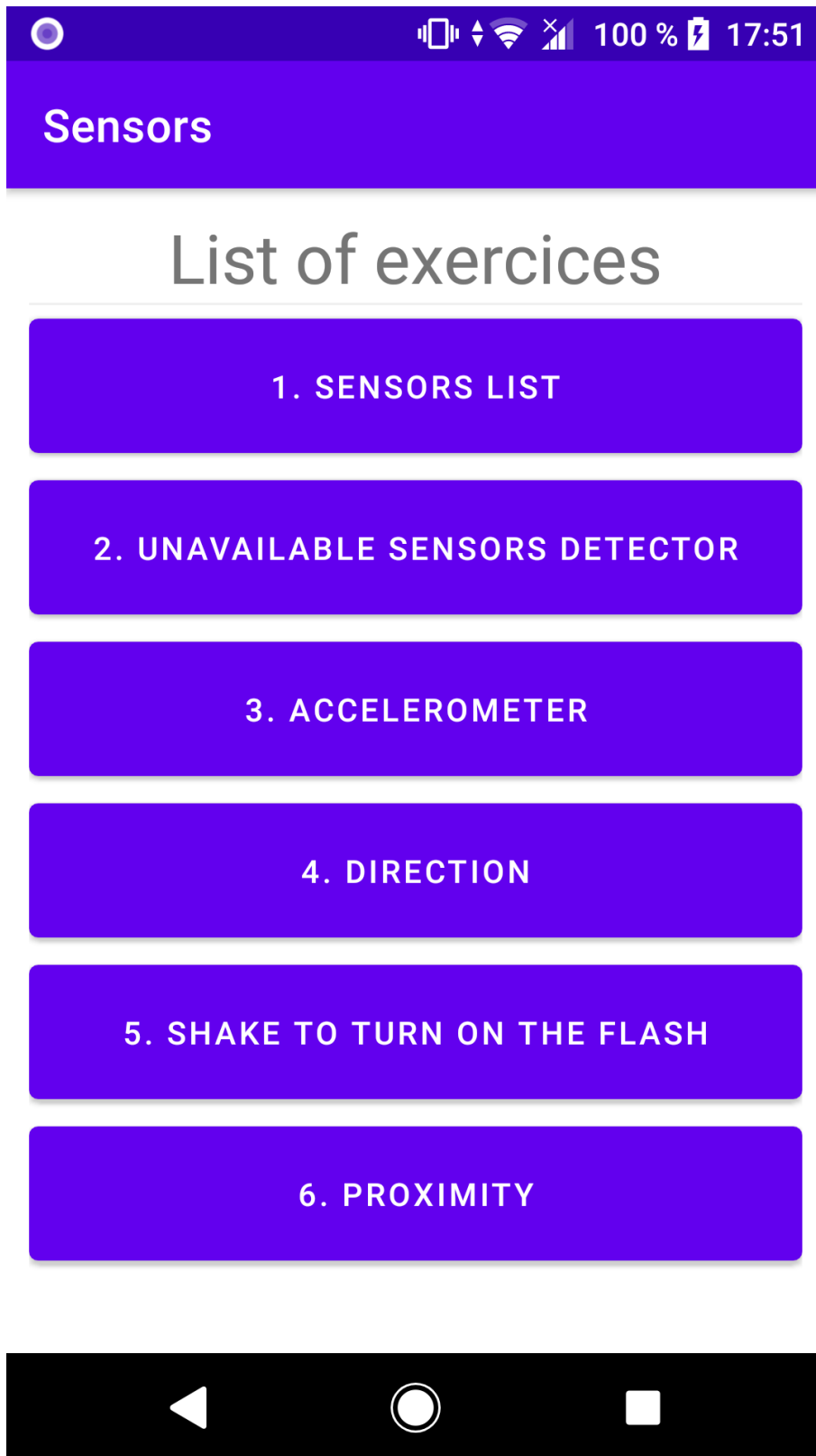# Rendu TP3 Sensors

Alexandre CANTON CONDES
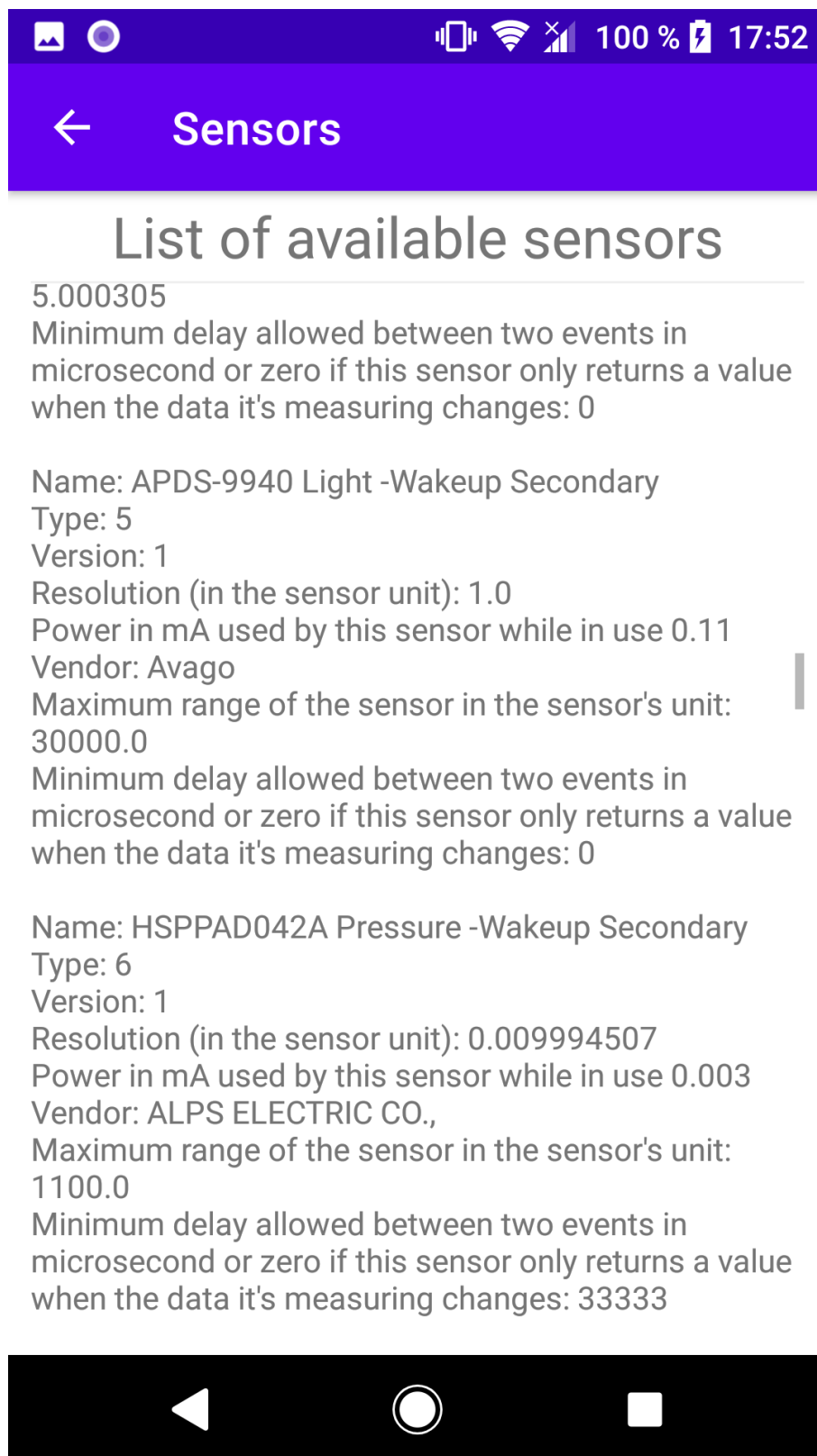
February 17, 2021

https://github.com/Alex-Overlord/AIGLE-M1-S2/tree/main/
HMIN205-Mobile/TPs/TP2/Sensors

Activité principale

Sensors

List of exercices

1. SENSORS LIST

2. UNAVAILABLE SENSORS DETECTOR

3. ACCELEROMETER

4. DIRECTION

5. SHAKE TO TURN ON THE FLASH

6. PROXIMITY

1 Liste des capteurs disponibles

← **Sensors**

List of available sensors

5.000305
Minimum delay allowed between two events in microsecond or zero if this sensor only returns a value when the data it's measuring changes: 0

Name: APDS-9940 Light -Wakeup Secondary
Type: 5
Version: 1
Resolution (in the sensor unit): 1.0
Power in mA used by this sensor while in use 0.11
Vendor: Avago
Maximum range of the sensor in the sensor's unit: 30000.0
Minimum delay allowed between two events in microsecond or zero if this sensor only returns a value when the data it's measuring changes: 0

Name: HSPPAD042A Pressure -Wakeup Secondary
Type: 6
Version: 1
Resolution (in the sensor unit): 0.009994507
Power in mA used by this sensor while in use 0.003
Vendor: ALPS ELECTRIC CO.,
Maximum range of the sensor in the sensor's unit: 1100.0
Minimum delay allowed between two events in microsecond or zero if this sensor only returns a value when the data it's measuring changes: 33333

2 Liste des capteurs indisponible

List of unavailable sensors

AMBIENT_TEMPERATURE unavailable
RELATIVE_HUMIDITY unavailable
TEMPERATURE unavailable

3 Accéléromètre

Accelerometor

$x = -5$

$y = 8$

$z = 0$

Sensors
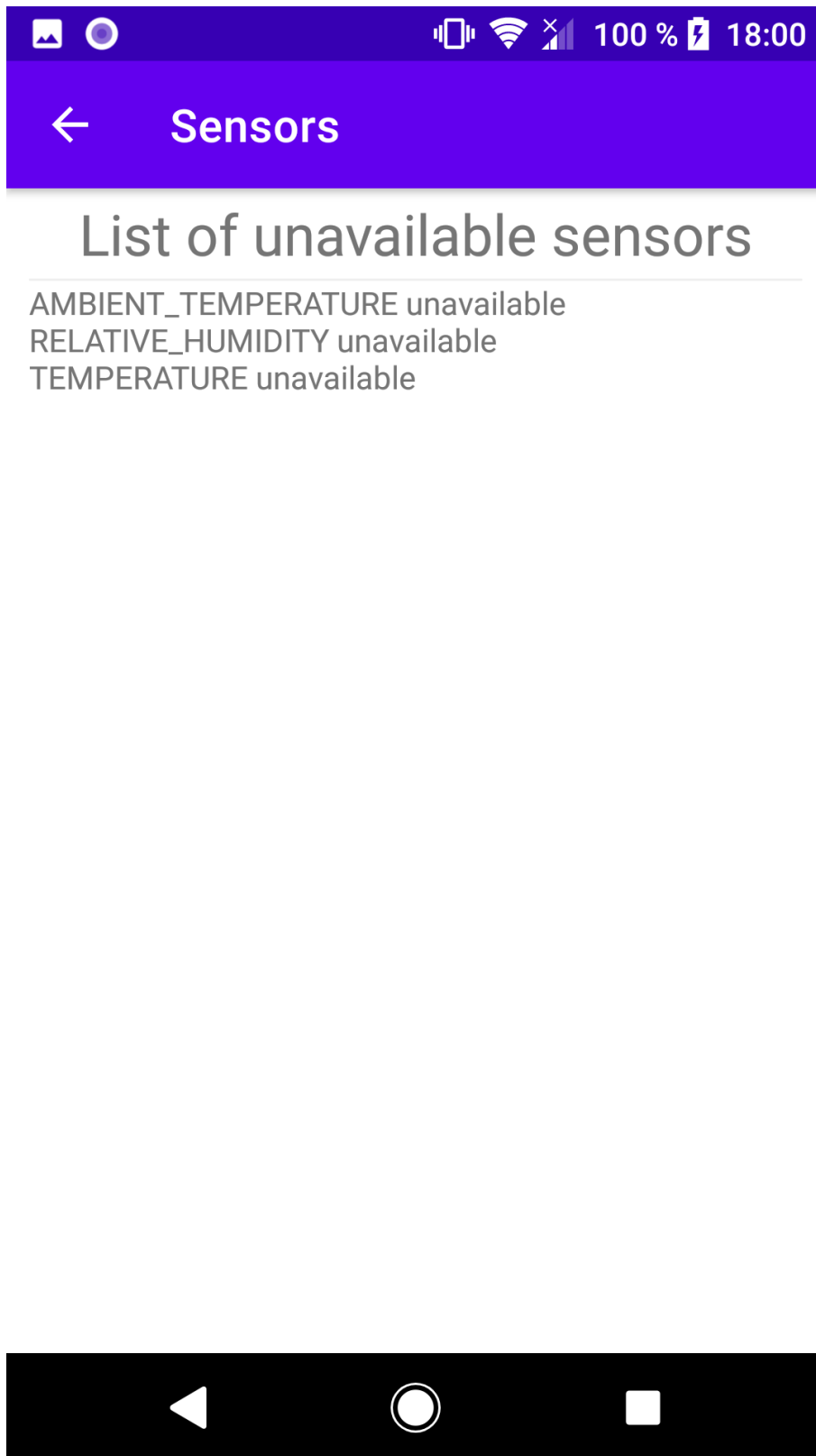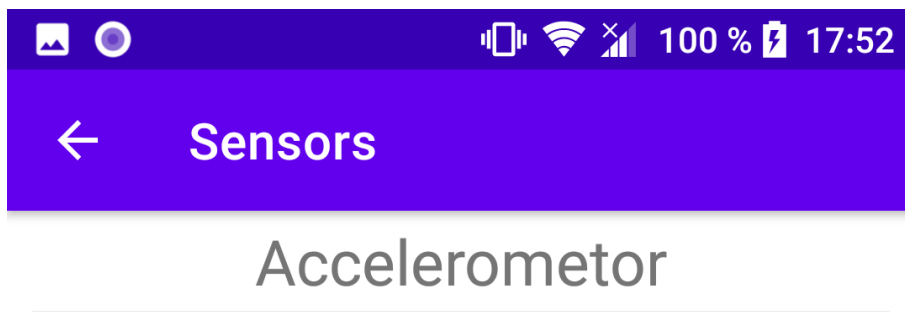
Direction
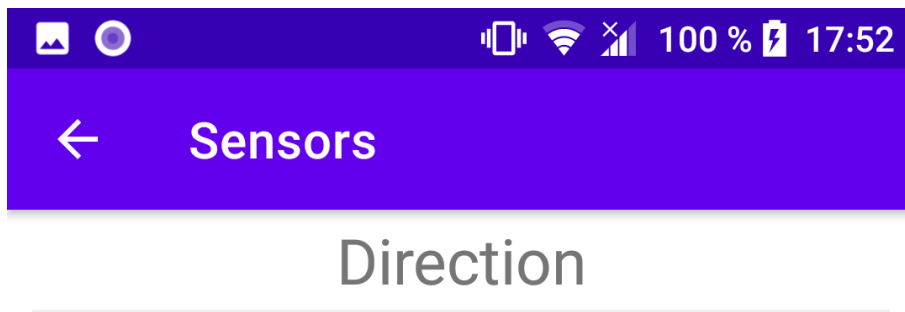
x = -3

y = 0

z = 0

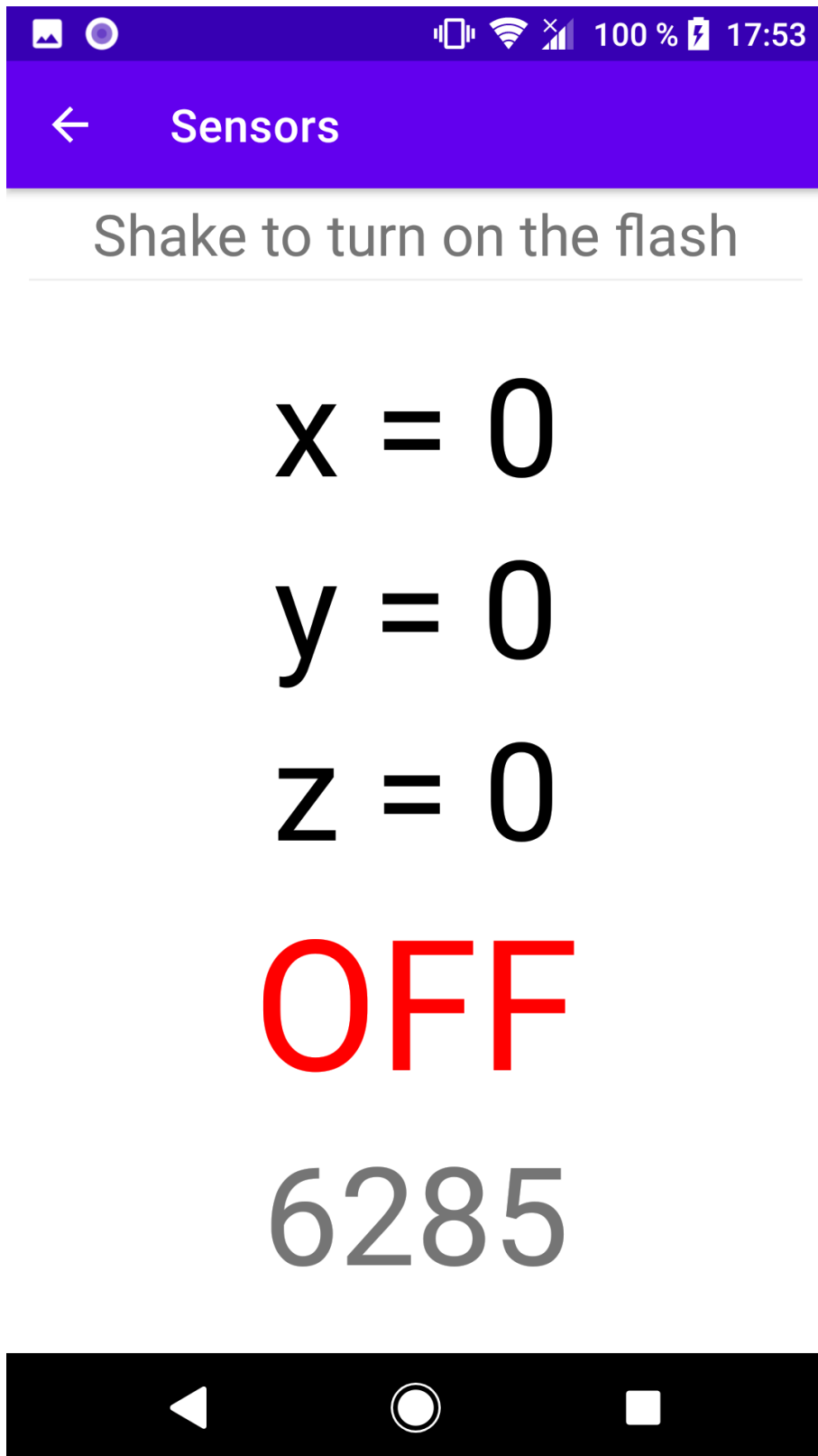## 5   Secouer l'appareil pour allumer le flash

Shake to turn on the flash

$x = 0$

$y = 0$

$z = 0$

OFF

6285

6 Proximité