28 oktober 2019

Universiteit Antwerpen

# 6-IoT Low Power

# Project: Smart Dumbbell

*Yves De Boeck*

*Mohammad Amir*

*Wouter Jacobin*

*Gauthier de Borrekens*
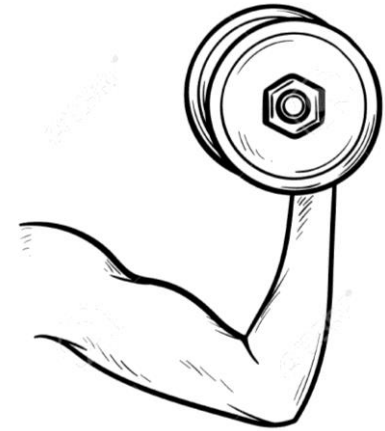
Universiteit
Antwerpen

# Concept
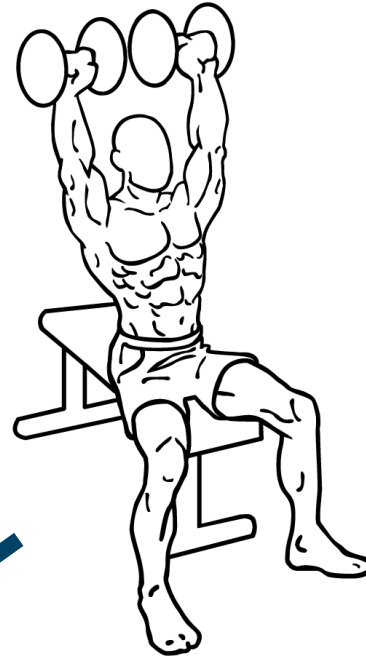


- Alert if people don't put their dumbbell back

# Features

- Rep counter

- Indoor Dumbbell localization
  - Fingerprinting
  - Alert if lying around

- Outdoor Dumbbell localization
  - Security feature
  - Dash7 → LoRaWAN

- Environmental statistics
  - Humidity, temperature, air-quality

- Visualisation

17 juni 2019