

SMARTCOUNT

BAD & BOUDJI

INTERNET OF THINGS - PRROJECT
GROUP DTCS



Team Bad & Boudji

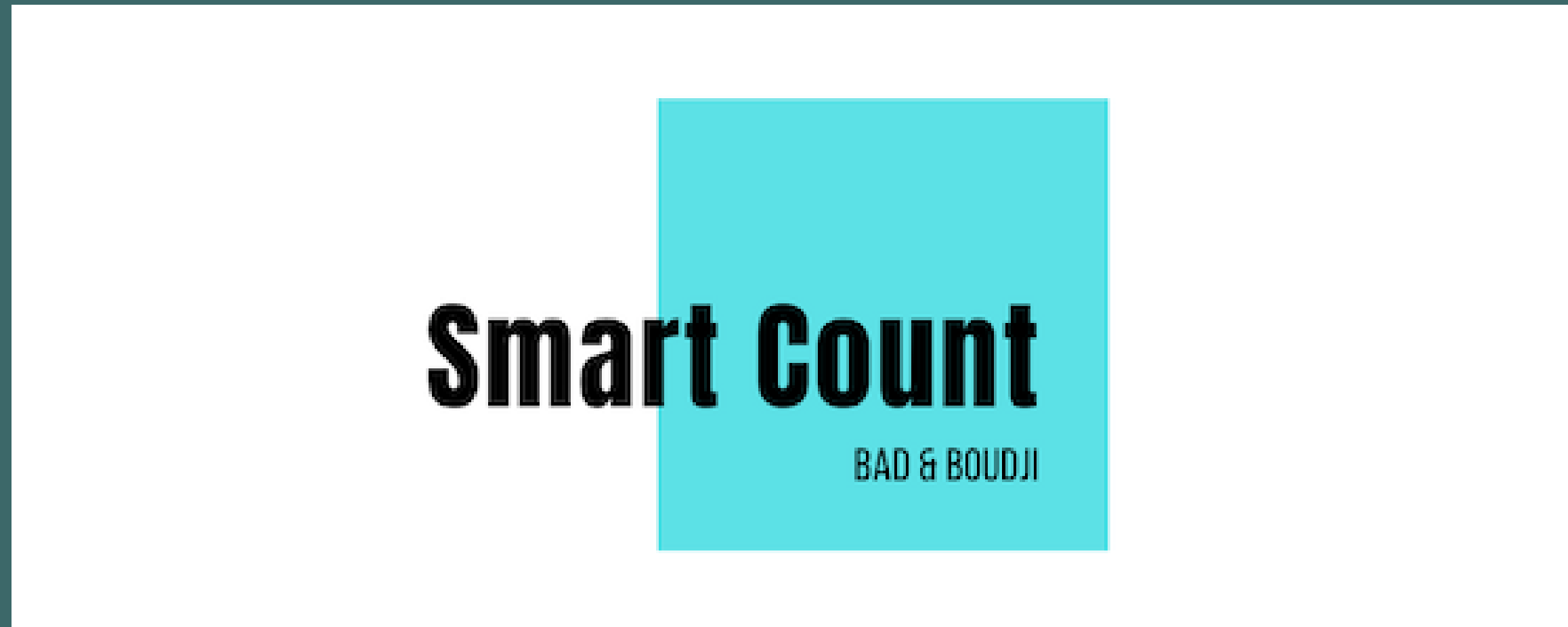


Elise Boudjema



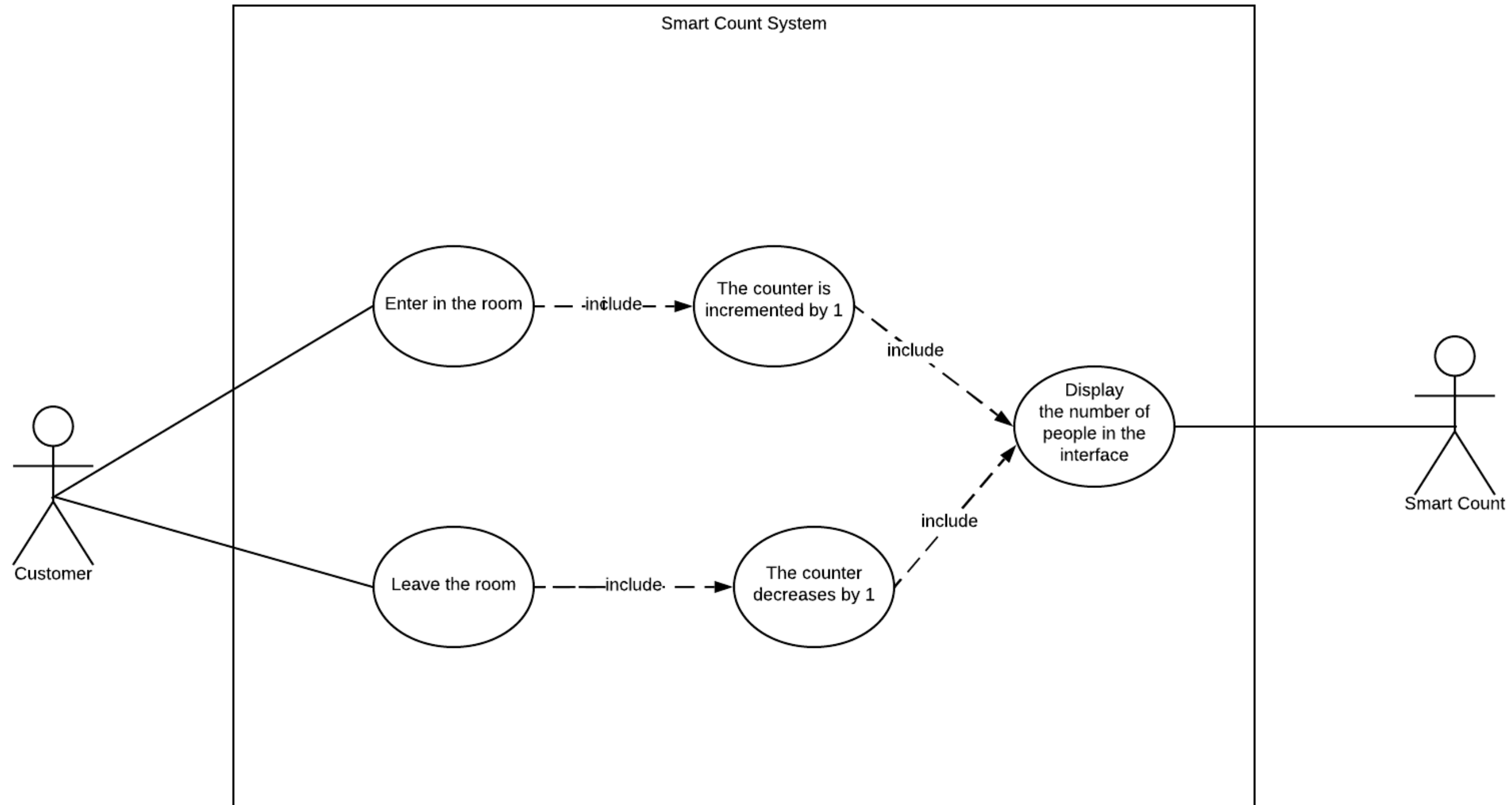
Justine Lam

What is Smart Count ?



- A counter for shops
- It will be at the main door of a room and will count every entrance and exit
- A web interface will display the number of people inside and if it's a "green", "orange" or "red" value.

Use Case



State of Arts



Sponsored

Compteur de Personnes | Bidirectionnel | Compteur de Visiteurs | Complètement sans Fil | Compteur Client |...

★★★★☆ - 34

199,00€ ~~219,00€~~

Sponsored

Compteur de visiteurs

249,00€

✓prime Recevez-le demain le 22 janvier

Livraison GRATUITE par Amazon

Sponsored

Compteur de clients - Système de comptage des visiteurs - Compteur de personnes - Fréquence client...

207,00€

Livraison GRATUITE

- What already exists ? Not much system like our !
- Or it counts only the passage of the store
- Or it has to be installed on 2 different doors
- It is very expensive

Challenge and motivation

Challenge

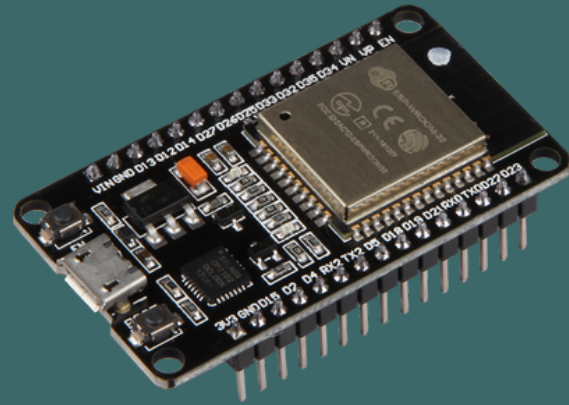
- Propose a counter in only one door for entrances and exits
- Make an optimal and visual web interface
- Succeed in connecting the interface to our circuit

Motivation

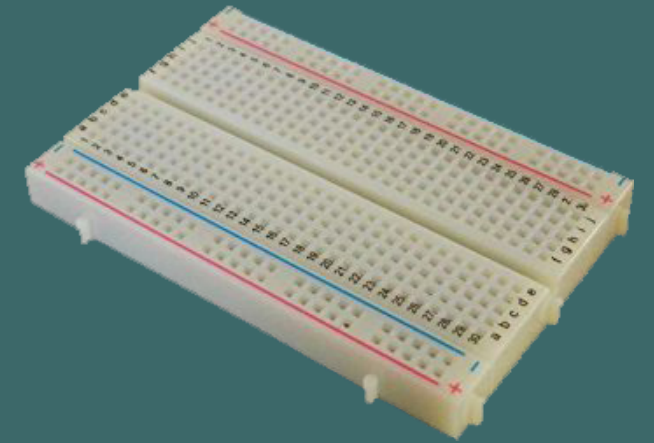
- Create a project useful for the society
- Help the shops to handle the flow of people within the store

Components

- ESP 32



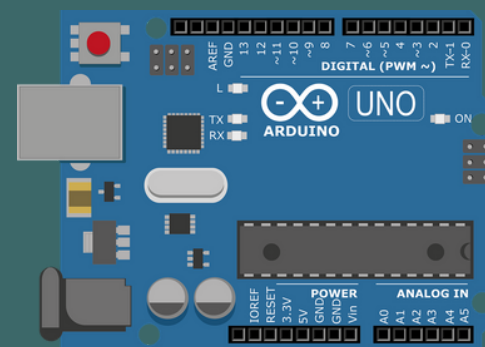
- Breadboard



- Sensor HC-SR04



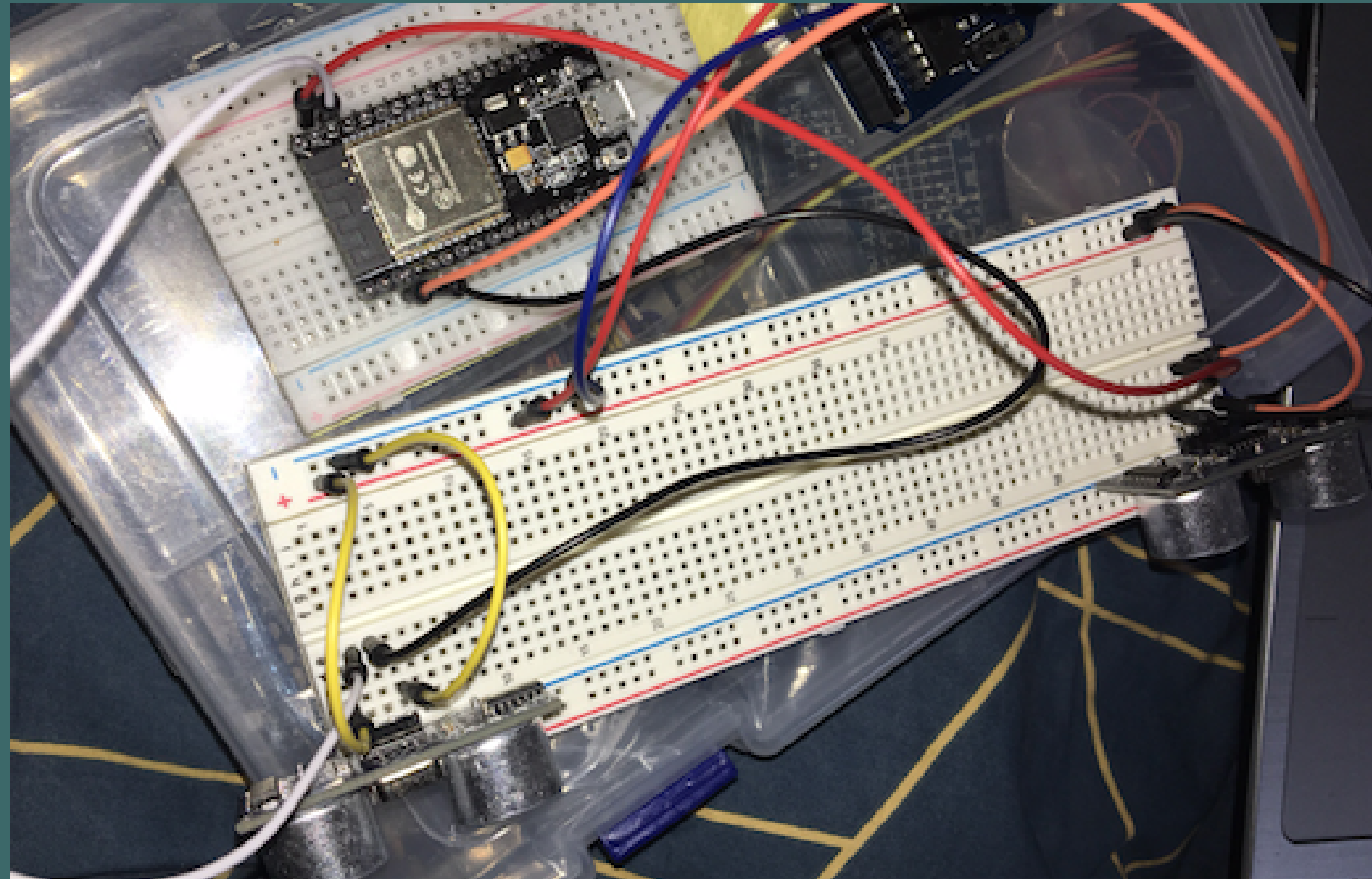
- Arduino Uno (or battery)



- Male to male Jumper wires



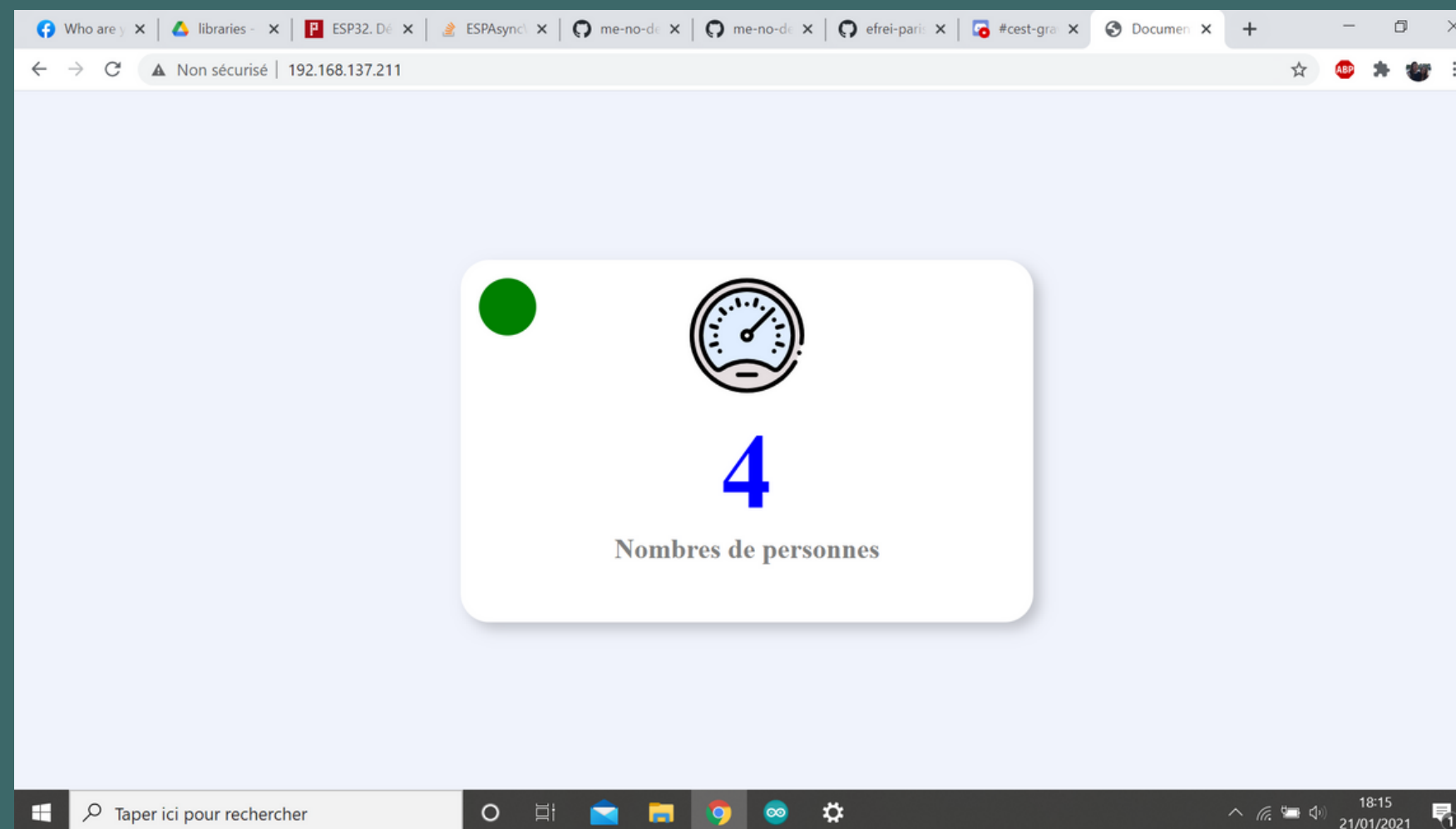
Connection



Interface

Web Interface coded in Html, Css and Javascript

Very simple but visual and optimal



Code Demonstration

Difficulties

- Find the subject of the project (we changed it a couple of times)
- Connect the ESP to the wifi because it was new for us
- Create the web interface and make it optimal
- Succeed in seeing each other
- Finish the project in time because we were both positive to
COVID-19

**THANK YOU
FOR YOUR
ATTENTION**

ANY QUESTIONS ?

BOUDJEMA Elise
LAM Justine