

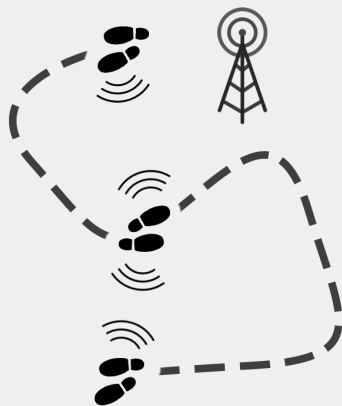


POLYTECH[®]
GRENOBLE



UNIVERSITÉ
Grenoble
Alpes

UltraTeam project



Enzo MOLION
Léo VALETTE

Project description

Aim : Outdoor long range whitezone geolocation (LoRa, BLE, cellular network)

To be done :

Protocol

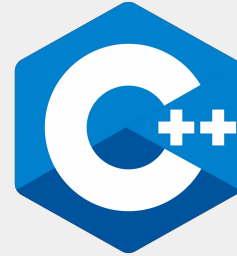
- conception, implementation & test

Application

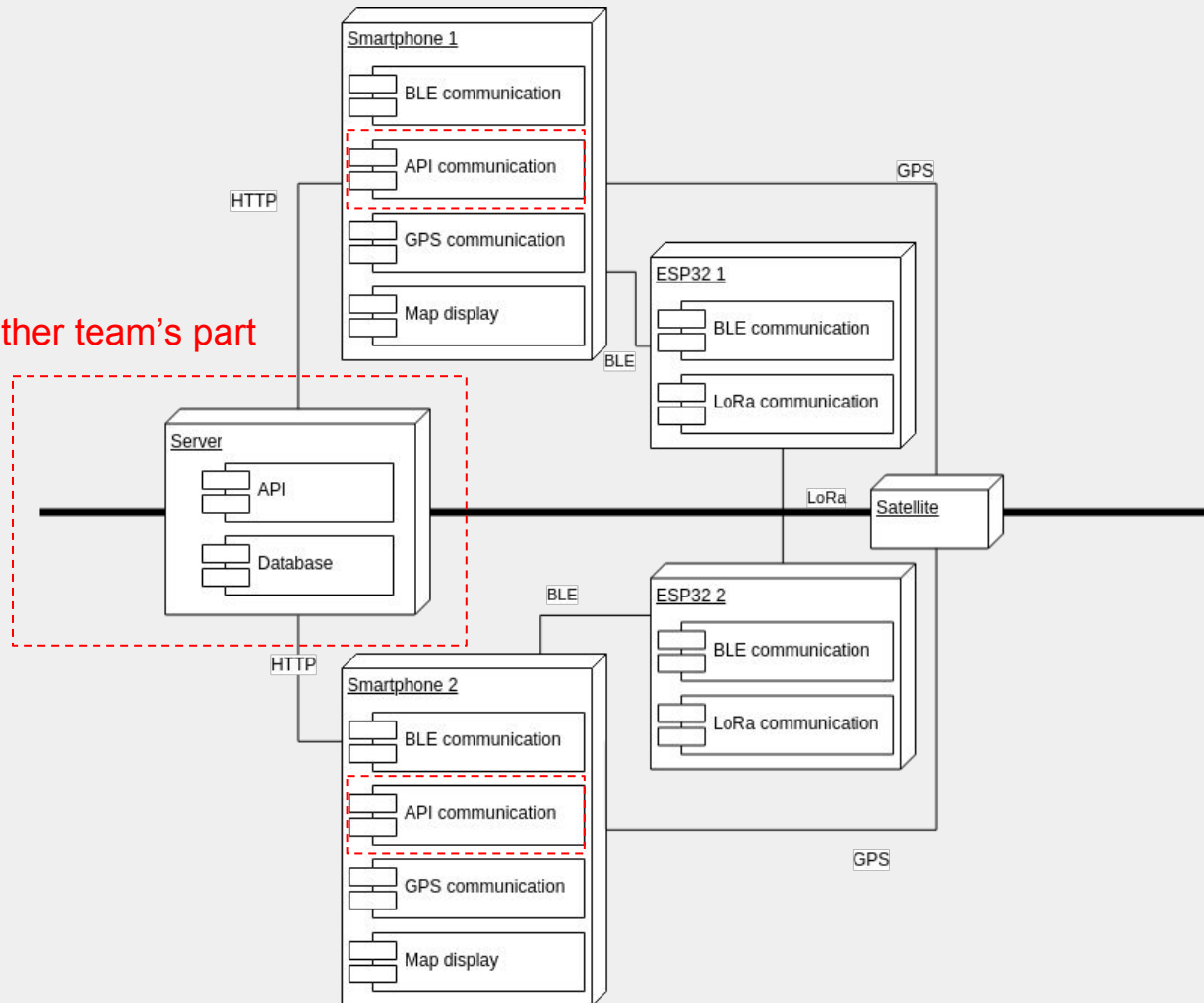
- local database, basic data display, data encryption

Not to be done :

Server side



Other team's part



BLE management

- ESP32 side
 - Troubles with Arduino IDE & BLE librairies
 - ESP-IDF
 - Pairing works
- Application side
 - Currently implementing

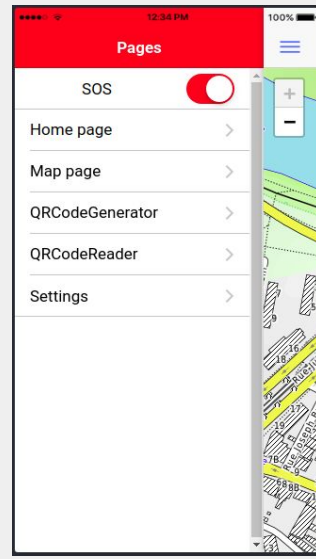
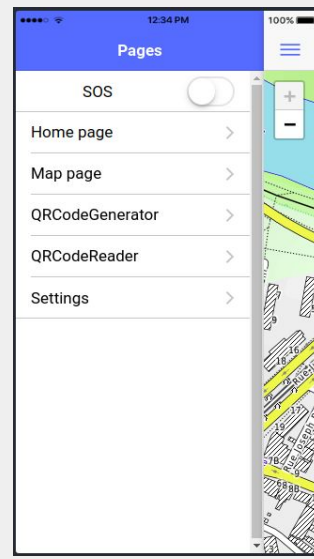
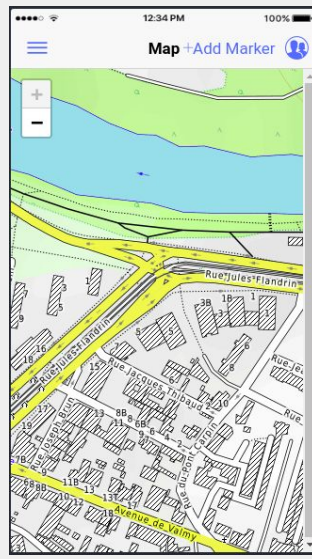
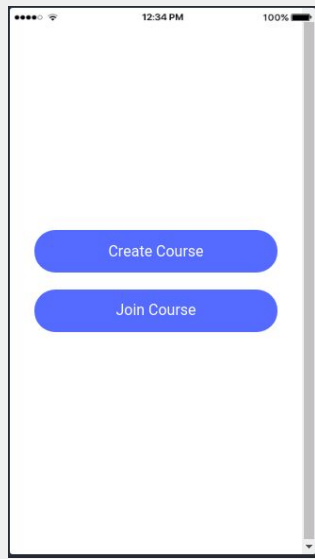




Map

+ADD MARKER





Developed : ride creation & ride join (via QRCode), map display, users list, SOS toogle

To be developed : Marker of users on map, SOS management, local database completion

To be done :

- Finish application
- Modify conceived protocol
- Finish BLE communication
- Implement LoRa communication
- ...

Thank you for your attention