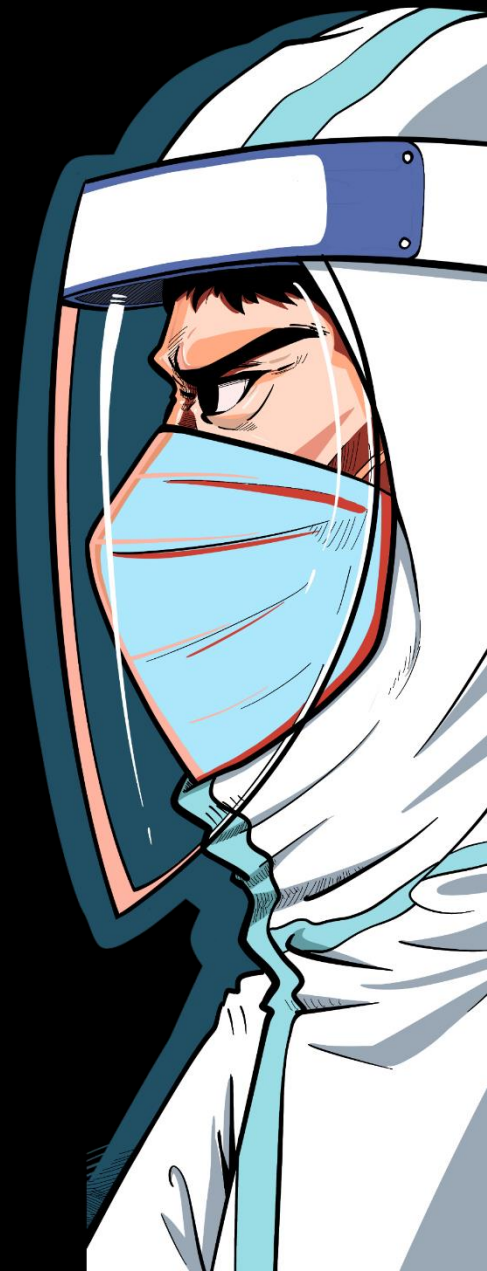
WUHAN 2020

DignoseMe

Hack for Wuhan

黑客松初赛作品



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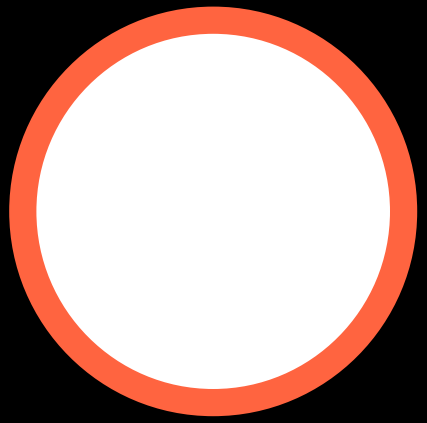

6项目名称：DiagnoseMe

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组员：**WeChat:** Borisflavy, maxiOthentic, wxid_s4zhj3ziuivp22
导师：

Github ★

项目简介：
In order to reduce the risk of transmission on the way to the hospital and promote rapid management, our idea is about to implement a mobile application for remote self-diagnosis of symptoms (helped by connected objects, watchs masks, etc...) and suspects case mapping so that a specialized ambulance can travel to remove suspect patient

TEAM MEMBERS

"We are not professional developer by we think our idea can be perform by software and hardware Industrial designers
So only simulation is available"

Pakindessama Maxime KONKOBO

24 years
Student
Wuhan University of Technology

Boris Flavy BAGBILA

25 years
Civil engineer from Hubei University of Technology

Sy Adama TRAORE

30 years
Consultant/ Trainer
Electronics and automation ingineer

Faissal NIKIEMA

31 years
General doctor
Medical center in BURKINA FASO

REASON FOR PROJECT

To fight an epidemic and limit the spread, this requires isolation of suspected cases and rapid management.

However for COVID-19, in absence of quarantine measure, sick people can infect others.
People can quickly get contagious whatever the symptoms appear or not.

Our Project responds to this problem. The objective is to bring this figure below one, in order to stem proliferation.

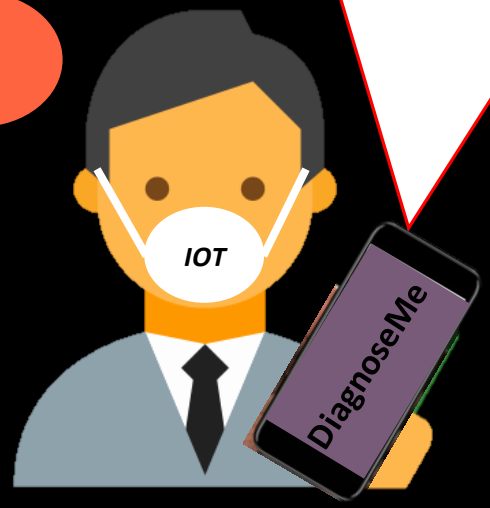
MAIN FUNCTIONALITIES

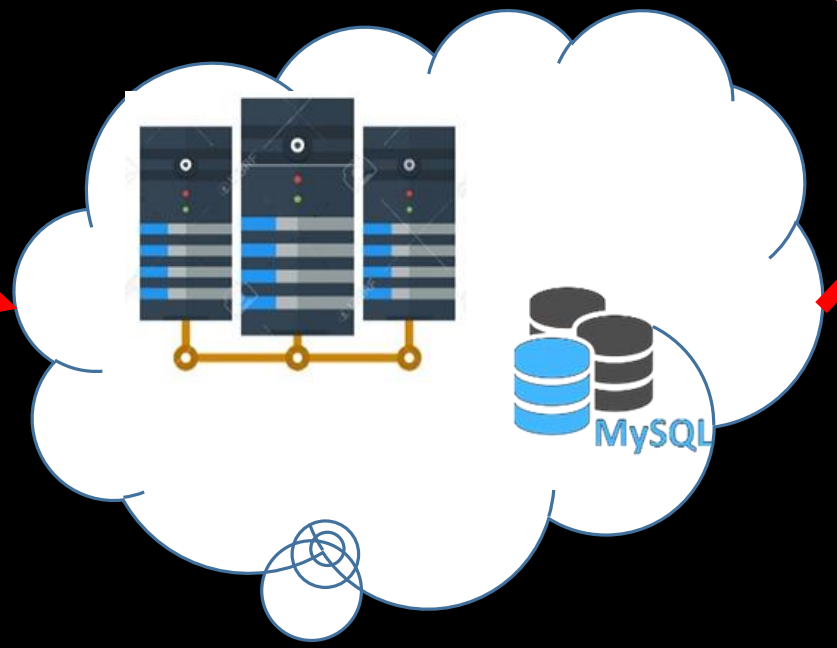
- FAQ on COVID-19 (HELP)
- Prevention (TIPS)
- Get the constants of the user using captors and make the diagnosis
- Geolocation and Management of the suspected cases by Hospital
- Chat with suspected patient

HOW IT WORKS ?

COVID-19 SYMPTOMS DETECTION

1





2

3

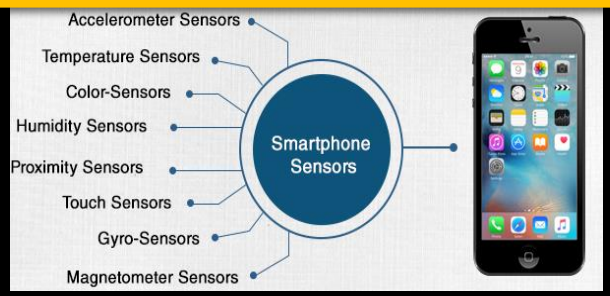
DIAGNOSE ME PROJECT

Realtime remote diagnose system of COVID-19 suspected cases

In order to reduce the risk of transmission on the way to the hospital and promote rapid management, our project will implement a mobile application for remote self-diagnosis of symptoms (thanks to connected objects) and suspected cases mapping so that a specialized ambulance can travel to the scene to remove the suspect patient.

TECHONOLOGY TO USE

MOBILE APP + NATIVE SENSOR



The project design can be 02 Types:

- A connected object (watch, smart mask) for personal use with the phone

- A Industrial design (set of Hardware and Software as a Tablet) which will be at the entry points of the countries (*airports, train station, border* ...)

at the entrance to gathering places (*schools, places of worship, public transport* ...) and hospital entrances

ALL IN ONE INDUSTRIAL DESIGN

PROJECT ROLE

- Permit remote symptoms detection of Virus
- Facilitate the detection of suspected cases and their rapid management
- Quickly and securely sort people based on their risk of COVID-19 infection and provide adequate care (those who must be confined at home, referred to a care facility or isolated in an emergency) in order to limit the spread of Virus

STRONG POINTS

- Transmission of user constants through sensors
- Compatible with others epidemics
- Allow rapid treatment and this will give a better chance of recovery.
- Bring suspected cases to the health services. This will allow them to be more efficient since they will no longer have to worry about detecting suspicious cases.
- Limits the spread of the virus during trips to hospitals by restricting trips to only those in real need.
- Limits the spread of the virus in the hospital in the waiting room by patient sorting
- Limits the risk of infection of health personnel thanks to sorting

PROJET USERS

The targets of this project are people living in regions affected by the covid19 and people freshly getting back from those areas.

Health staff will use the back office to detect suspected cases and bring them to health center.

Every can download the app for free with their phones and use it.

BUSINESS MODELE

The DiagnoseMe solution in its final version will be an All in One product which in a personal and general public version.

It may be made available to users free of charge in stores in iOS and Android versions, which will be made aware by social marketing. Social networks; the media will promote it.

The main users will be individuals, health centers; the Ministry of Health.
It can be adapted to other epidemics

LIVE DEMO

LIVE SIMULATION DEMO WEB LINK:

https://urlz.fr/c08I