Topic: MyHospital Author: Jaime M. Orta Santiago Date: August 27, 2022

Problem Background:

- Healthcare is an important and necessary aspect in our lives, every day
 we should continue to build on top of it to make even more accessible
 and beneficial for us. Specifically, hospitals in Mayagüez, sometimes
 going can be somewhat chaotic specially in these times with so many
 diseases around like COVID 19 or Monkeypox.
- It would be helpful to know some information and the status of the hospital before arriving, for example, it can be a troublesome situation if you only wanted to go for a quick checkup and for your surprise the hospital is on a busy schedule, leaving you there for hours, when you could have went a different day if you would've had a quick and reliable way to check in on the hospital.
- It can also be the case that there's a doctor or nurse that you feel more
 comfortable with but don't know if they are on duty, in the worst-case
 scenario there could be a COVID 19, a Monkeypox case or another
 highly contagious disease in the hospital, then it's of best interest to
 not go.

Target:

Create an easy-to-use platform that will allow patients to check in on the status of the hospital before arriving to maximize safety and efficiency.

Causes:

Problem: Most hospitals in Mayagüez are becoming less efficient and more dangerous to go to.

Why?

There's not enough order in the hospitals.

Why?

Hospitals are packed to max capacity and some patients or employees don't even follow the right protocols in cases of highly contagious diseases.

Why?

Thanks to the COVID – 19 vaccine and cases starting to slow down patients are ignoring safety measures. As a result, it can make them susceptible to other diseases like the new Monkeypox. This is especially dangerous in hospitals were there are big masses of people in the same room waiting for hours.

Why?

Patients don't know the status of the hospital; without any prior knowledge they arrive and since they are already there they register and are forced to wait for long periods of time. This is problematic for patients who are in a hurry due to personal reasons and even worse, they are exposing themselves to other dangerous diseases in the process.

Why?

They lack a simple platform that will connect them to their hospital of choice

Countermeasures:

- Allow users to know if the hospital is on a busy schedule or not.
- Allow users to register beforehand to reinforce social distancing.
- Provides users with information about the current staff and the next one on duty.
- Provides users with basic information about very contagious diseases currently in the hospital.
- Provides users with information about the different departments available in the hospital.
- Allow users to send test results directly to the hospital, eliminating the need to go personally.

Check/Evaluate:

- The platforms success will be determined by the continued growth of registered users and the hospitals personal experience when it comes to the agglomeration of patients during nighttime or holidays.
- The failure of the platform will be determined by the number of dropouts in the platform, inactive users or bad feedback from the hospitals staff or patients.
- User feedback will be the backbone of the project and will realistically determine the success of said platform, since it is meant to help both the patient and the staff of the hospital.

Act/Standardize:

- User feedback will be crucial for improving the platform and extra features will be considered if they can be implemented.
- The project will also be promoted through the hospital or ads to ensure success
- If the platform is a success, it could even be modified to work for all the hospitals in Puerto Rico.
- By the end of the project the team will have earned enough experience and programing knowledge to help them in future programing courses or personal projects.