

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:



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 platform's success will be determined by the continued growth of registered users and the hospital's 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 hospital's 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 programming knowledge to help them in future programming courses or personal projects.