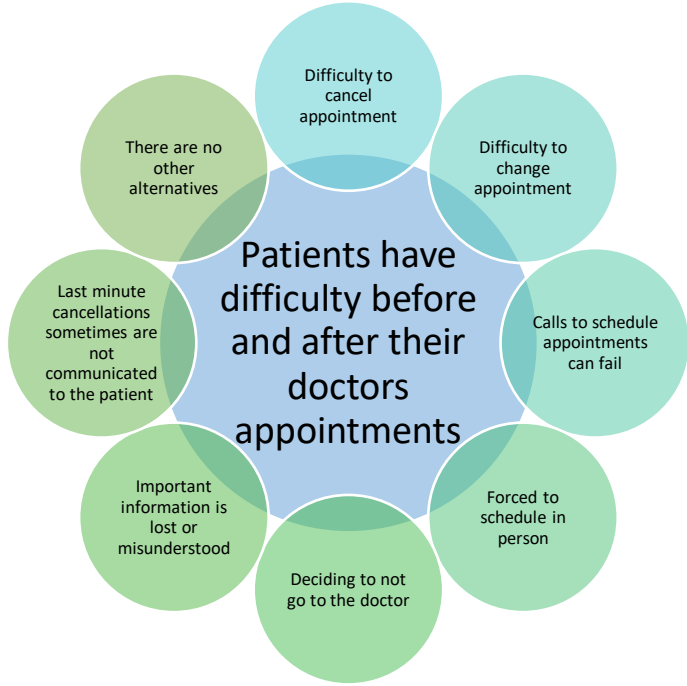


Topic	Doctor Appointment Hub Project	Authors	Alejandro José Figueroa Ramírez Ángel Luis García Guzmán Adrián Irizarry Negrón Rubén E Leoncio Cabán Andrés J Rodríguez Velázquez Noel A Vargas Padilla	Date	February 2, 2022
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1. Problem Statement/ Current Condition	<ul style="list-style-type: none">Currently, the only way for patients to schedule appointments with their doctors is to call or schedule in person. This creates a situation where the doctor's offices may not be able to answer said phone calls therefore patients are forced to come in person, attempt to find a different doctor or give up on going to the doctor.Prescriptions or pertinent information after the doctor's visit can be easily lost and hard to understand by the patient (sloppy writing).In Puerto Rico there is no other alternative to schedule appointments.When an appointment is canceled it is difficult to be notified through traditional means.	4. Countermeasures/ Action Plan	<ul style="list-style-type: none">Create a hub for licensed physicians to expand their business to the world wide web and expand the reach of health services in the island.Depending on the patient's needs, they will be able to search through a selection of doctors and schedule an appointment based on each doctor's given availability.Allow patients and doctors alike to conveniently access any documents and discussion about a given appointment.Provide the option to request the cancellation of any appointment, making sure to send a notification of said request.
2. Goal Statement/ Target Condition	<p>The target is for the appointment creation process to be done without needing to call or go to the doctor's office in person. The patient can create an appointment at any time, even when the office is closed, and can easily keep track of your appointments and cancel said appointments anytime. The patient and the doctor are notified when their appointment is canceled and do not go through the uncertainty of the appointment being canceled unbeknownst to themselves. After the appointment, the information given by the doctor is readily accessible to the patient and can be revisited at the patient's convenience.</p>	5. Check/Evaluate	<ul style="list-style-type: none">For physicians we would ask for feedback based on their experience managing multiple appointments as well as their experience managing a patients' prescription (an example would be if they prefer to write it on hand or use the site).For patients, we would ask for feedback based on their experience managing their appointment for a doctor, as well as managing changes on such appointment, like for example, their experience when requesting for their appointment to be moved or cancelled.Given the feedback, we can determine if we were able to improve some aspect of the current condition and assess if we were able to resolve some of the problem statements.
3. Cause Analysis		6. Verify/Standardize	<ul style="list-style-type: none">The schedule system can be applied for a wide range of fields, such as an enrollment system where the student can see the schedule of their classes and the respective institutional personnel can manage said schedules.For the notification system, following the example of the enrollment system, the student can be notified when a certain course is due, or if the class of such a course was canceled for such a day.With this project, we hope to learn the necessary disciplines to complete a software project. In addition to learning exciting frameworks, we expect to work as a team to successfully complete a software project akin to how software engineers work in the industry. We do not expect it to be perfect, but to at least be of professional growth.