**NAME TEAM: JavaLegends.**

**LIDER TEAM: Guitarra Jhon**

**TEAM MEMBERS:**

**Guitarra Jhon**

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**TEAM TOPIC: Medical Appointment System**

**PROJECT DESCRIPTION:**

**PROBLEM:**

The problem that exists and the JavaLegends team intends to solve is to create a system that helps patients in a clinic, due to the absence of an application or software to manage the clinic's processes, everything is done physically and cannot be schedule clinic appointments to get better care, help clinic staff better organize, save time, and avoid contact or crowds due to COVID-19.

**OVERVIEW.**

The program fulfills the function of creating a record of medical appointments by storing it in a database, with which it will allow us to create a list of Physicians (name, surname, specialty, time of entry, time of departure), Patients (name , last name, age), create appointments (the system must allow to create appointments for patients with the doctor they decide. The date, time of the appointment and the duration of the consultation must be requested. The system must validate that the doctor has availability on that day and hour), see agenda by doctor (the system must show the appointments assigned to each doctor by day and time).

**BACKGROUND.**

The clinic (......), when suffering several failures with its requests, which are presented as, lack of control at the time of scheduling appointments at accessible hours for patients and doctors, and being in a time of pandemic due to a coronavirus problem, presents a much greater risk of registering excess people on the same schedule. The clinic is at risk of closing its doors to the different patients who come to it constantly, for its different types of treatments, it is forced according to the demands of the Ministry, it has to integrate new technologies and implement in its branches, a software for the control of your clients, doctors, medical history, and correct distribution of patients.

Today, health institutions have exorbitant amounts of information. They interact with numerous people daily, between staff, doctors, and patients. The security and legitimacy of this information is essential in any of these establishments, for which today it is essential that the files have computer services.

Thanks to the data provided by computerized systems, we can have the relationship between the number of clinical history and name and surname of the patient by the Master Patient File.

With that We get the information from the medical history by surnames, names and number of clinical history, which are usually required by hospital accreditation standards