**Introduction**

The main purpose of our system is to allow patients to book appointments with doctors over the internet, and we keep track of their customized data in the device, as well as automatic invoicing inside the drugstore, which is part of the medical administration project. In addition to content delivery, our project comprises administration, tracking, reporting, alerting, and training programs. Only authorized users can view the system, and only authorized users are permitted to update data and manage bookings.

**1.4 Scope of the Project**

We hope that by creating an online web application, we will be able to simplify the appointment scheduling procedure and improve patient-doctor communication. End users, such as patients and administrators, can utilize our online program to do a variety of tasks, including tracking, evaluating, monitoring, providing assessments.

* Patients can use the system to find and contact doctors by entering their office hours and location. Finally, the patient's fees are kept track of in the payments table. As a result, the entire billing system is integrated into a single database.
* It was utilized to find linkages between structured data groupings of Hospital Management System Functionalities by analysing structure data.
* All the visual tools of database tables, as well as the linkages between patients, nurses, doctors, hospitals, and drugs, are depicted in the Hospital Management System.

## **2.1** **Product Perspective**

The project's main purpose is to develop a website that allows patients to schedule online appointments with doctors based on their availability and specialties. Patients can schedule appointments, and the administrative staff can plan the visit and provide guidance. While there are a few existing systems that provide similar functionality, we intend to create a system that is much more advanced. This can be done by using an easy-to-use interface and scheduling the appointments. We've added several new features to our site, including OP, which allows staff members to enroll patient information in an emergency.

Diagram

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