

Healthcare Appointment Booking

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Background

The Healthcare Appointment Booking project intends to reform the scheduling of medical appointments by implementing a high-level and user-friendly database system. The healthcare industry faces difficulties related to appointment management, doctor availability, and integration with electronic health records. This venture will solve these issues like double booking or cancellation of appointments and upgrade the general healthcare experience for both medical professionals and patients.

The database system will take special care of various entities inside the healthcare domain, including patients, doctors, appointments, and health records. By zeroing in on these key aspects, the task aims to smooth out the entire appointment booking process and enhance the improvement of healthcare services.

Purpose

The motivation behind this project is to foster a comprehensive database system that facilitates efficient and user-friendly planning of medical appointments. The system will play a pivotal role in administering patient appointments, tracking doctor availability, coordinating electronic health records, and processing billing and insurance data. The project aims to provide a centralized platform that improves communication between healthcare providers and patients, ultimately enhancing the overall quality of healthcare services.

The project will use Entity-Relationship Diagrams (ERD) to imagine the database structure and relationships between different entities. Also, it will advance the secure and proficient sharing of healthcare information, contributing to better-educated decision-making by medical professionals.

Scope

The scope of the Healthcare Appointment Booking project includes different phases of the healthcare process, from appointment planning to billing and insurance handling. The vital entities and tables within the database system including entities like Doctors, Patients, Insurance, Electronic Health Records (EHR) etc. With these entities, the Healthcare Appointment Booking system becomes more extensive, addressing explicit details related to insurance plans, practice locations, doctor specialties, and the scope of treatment. Patients can profit from a more custom-made and informative approach when planning appointments with healthcare providers while doctors/healthcare systems can benefit by increasing the business potential.

<https://github.com/karshan26/HealthCare-Appointment-Booking.git>