

MedSphere: Online Patient Portal

Abstract

The project titled “MedSphere” is a doctor patient portal to search and book doctor appointments that solve the purpose for disallow the problems, which are not in the current system.. The system provides facilities to choose online and offline consultation. For offline consultation, user can find doctors based on department and then slots are allocated with specified time. There is also a rating system for the doctor which shows best doctors for consultation. The user can also cancel the booking and can change the time slot if needed. All the medical reports are stored and can be accessed by user. This system also provides an online payment option which will be flexible to the user. The user can also give the feedback. It also notifies about the next consultation details.

One at Admin side, second is doctor side and third is patient side. Under this Online Portal Admin can manage whole system data like doctor data, patient data, doctor schedule data and appointment data. At the Doctor side, doctor can schedule their available time details under this system, Doctor can view appointment data. And at patient side, they can view doctor availability data and based on that data they can book appointment under this system.

Users

- Admin
Manages all the functionalities including the user.
- Patient
Has access to various functionalities of the system like making appointment, payment.
- Doctor
Can view and edit the appointment details. Mange patient medical history.

Modules

- User login/registration
Users have to first register themselves to login into the system.
- Appointment availability check
User can check for availability of the slots at the best time available.

- View reports
User can view the previous reports anytime.
- Doctor Search
System allows for doctor search through categories, name and location.
- Booking cancellation module
User may even cancel their bookings by login into the system anytime.
- Payment module
User can make online payments.
- Feedback
The system has a feedback form, where user can provide feedback into the system.

Technology

Frontend: HTML, CSS, Javascript

Backend: PHP

Database: MySQL

Conclusion

Now a day, the necessity of online consultation has increased which has many advantages. This system helps patient to book appointments for doctor and manage their reports online. Each time a patient visits a doctor his/her medical entry is stored in the database. Whenever the patient needs previous medical history, it will be easily accessible. The system allows for an automated patient handling system through an online interface.