



CSE 408 : Software Development

HOSPITAL WEB SYSTEM

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ABOUT

- ▶ A web based system to help out Patients and Doctors.
- ▶ Make it easier for patients to get the services they want.
- ▶ Help doctors to maintain their professional life efficiently.
- ▶ Can be divided into two modules:
 - ▶ Doctors' Module
 - ▶ Patients' Module

PLATFORM & FRAMEWORK

- ▶ Front End : HTML, CSS, JavaScript
- ▶ Back End : Laravel, MySQL

REQUIREMENT ANALYSIS

From Patients' perspective:

- ▶ Register and log in for appointment
- ▶ Search for doctors and request appointment
- ▶ Access their own previous prescriptions and reports
- ▶ Get notified about upcoming appointments via Email

REQUIREMENT ANALYSIS

From Doctors' perspective:

- ▶ Reschedule appointment
- ▶ See own schedule
- ▶ Get notified about upcoming appointments
- ▶ Check patient history, reports and previous check-up prescriptions.

REQUIREMENT ANALYSIS

From Admins' Perspective:

- ▶ Maintain Doctor Database
- ▶ Maintain Hospital Database

BENEFITS

- ▶ It will make easier for the patients to fix appointments and re-scheduling
- ▶ Get notified by the system before the appointment
- ▶ Complete history of the patient is present in the patient profile
- ▶ Doctors can manage/see their schedules for a particular day
- ▶ If a doctor cancels/reschedules an appointment, the system will automatically notify the patient via e-mail
- ▶ Payment history of the patients will be present in the patient's profile

TENTATIVE TIMELINE

Week	Target
3	Basic Front-End Implementation and Database Design
4	Integrating Doctors Database with Front-End
5	Appointment sub-system Completion
6,7	Doctors' Module Completion
8	Automatic Email Generation and Appointment Reminder
9	Patients' Module Completion
10	Admin Module Completion
11	Appointment Cancelation/Rescheduling
12	Full fledged Hospital Web System

Thank You

