

COEN 6312 - Winter 2019
TEAM RAPTORS
CLINIC MANAGEMENT SYSTEM

Mission

Our team has decided to work on clinic management system which provides health service facilities to patients across many cities. The focus will be to properly limit the scope, domain analysis for better design and implementation using various software engineering techniques. The vision is to have proper meetings, plan of work, sharing of ideas to gather requirements to ultimately achieve the goal using model driven software approach.

Team Members

Team Member	Student Id	Email
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Raghav Sharda - I have done bachelor's degree in computer science and has 1 year experience as a quality assurance analyst in Cognizant technology solution.

Harmanpreet Singh - I have completed my bachelor's degree in computer science.

Shivya Pant - I have done my bachelor's degree in computer science and has 1.6 years of experience as a java developer in Wipro Limited.

Amandeep - I have completed my bachelor's degree in computer science.

Navjot Kaur Bhamrah - I have pursued bachelor's degree in Computer Science, has 3 years of experience as a Software Developer in Computer Sciences Corporation (Client Manuvie Tokyo).

Ashish Sharma - Completed Bachelor of Technology in Computer Science in 2015. Experience of almost 2 years as a software developer in Computer Sciences Corporation for Client Prudential Financial.

Description

We plan to develop a standalone application where a patient can fix up an appointment with a Doctor over the network, record his/her ailments and choose a Specialized Doctor depending on his/her ailments or health complaints. The intent of the system is to digitize patients records so that retrieval of data can be easy and efficient. It will also help to maintain the record of patients so that it can be retrieved easily and quickly when needed. The two major users of the system will be the Administrator and Patients.

The administrator has the rights to add/modify/delete doctor's information and change the status of appointment from pending to confirmed. The admin should be able to suggest a patient with an alternative doctor (in case the previous doctor is unavailable after fixing an appointment). The admin should be able to see the list of patients fixed for appointments on the selected Date.

The patient should be able to Create/view/modify their ailment details. The patient should be able to view appointment details of a particular doctor on a particular day. They can also view doctor's list based on specialization. The customer should be able to request an appointment with an available doctor.

The major features this system will include are:

- Patient Registration
- Doctor's availability
- Book appointment
- Choose doctor according to the specialization
- Suggest available doctors

For the authorized access of information, login credentials will be provided by all the users to login into the system.

Assumptions

- The scope of the application is limited to one clinic.
- Each patient will hold only one appointment ID for successful appointment.
- Doctor will be fixed by the admin based on the availability of the doctor.
- The administrator is assumed to be already registered with the system.
- Every appointment should be of 15 minutes duration.
- Doctors may attend patients from 9am to 12pm and from 2pm to 5pm.