



UNIFIED MENTOR

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Project Title	Clinic Management System
Technologies	HTML, CSS, JS, and Firebase
Domain	Healthcare
Project Difficulties level	Medium

Problem Statement:

The work assistance program Direction is a piece of software that makes it easier for the doctor and secretary to communicate. Two users will be in charge of the program: one is a doctor, and the other is a receptionist. The receptionist will be in charge of awarding token amounts to clinic visitors and storing them in the database alongside their personal information. The doctor receives these token amounts as well as personal information about each patient. After checking the patient, the physician's recommended prescriptions are fed into the database and directed to the receptionist. The system also keeps patients' history in order that physicians or receptionists can see them anytime. The machine can consequently reduce complexity in keeping individual records.

Descriptions of Modules

This system's characteristics are as follows:

Doctor login: The doctor creates an account on the system and examines all of the patient's details.

Receptionist login: Receptionists have access to the system and can assign tokens and create charges.

Token generation: For new entrants, the system generates a token amount automatically.

Patient information: Along with their prescription, patient information is recorded in a database.

Billing advice: The system generates a bill for you based on the secretary's request.

Project Evaluation metrics:

Code:

- You are supposed to write a code in a modular fashion
- Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works the same in every environment (operating system)
- You have to maintain your code on GitHub.
- You have to keep your GitHub repo public so that anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include basic workflow and execution of the entire project in the readme file on GitHub
- Follow the coding standards.

Database:

- You are supposed to use FireBase.

Logging:

- Logging is a must for every action performed by your code, use the JavaScript or python logging library for this.

Deployment:

- You can host your model in the cloud platform, edge devices, or maybe local, but with a proper justification of your system design.

Solutions Design:

- You have to submit complete solution design strategies in LLD document

System Architecture:

- You have to submit a system architecture design in your wireframe document and architecture document.

Optimization of solutions:

- Try to optimize your solution on code level, architecture level, and mention all of these things in your final submission.
- Mention your test cases for your project.

Submission requirements:**Project code:**

You have to submit your code to the GitHub repo and you have to share the repo link at final submission of your project.

Detail project report:

You have to create a detailed project report and submit that document as per the given sample.