

DigiMed

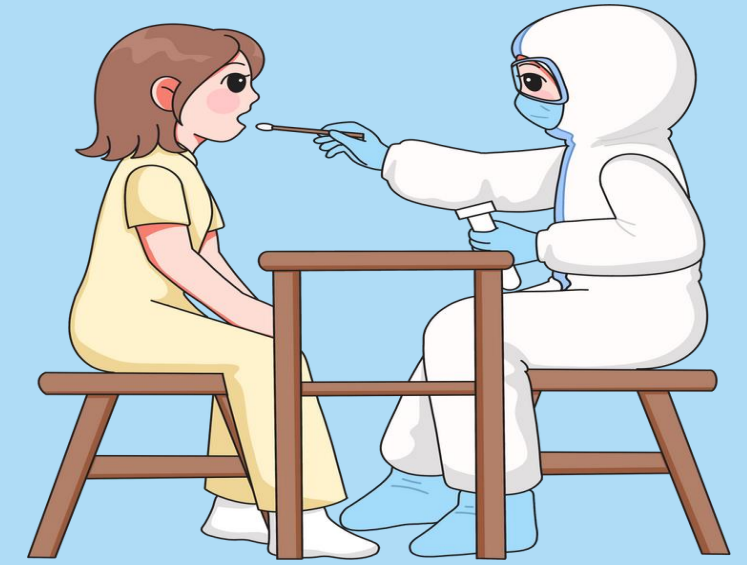
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Introduction



- The project is a comprehensive app/web that works on fully digitizing medical experiences.
- The expected users are patients , doctors, administrators, nurses, pharmacists, and emergency responders.
- There is a need for an inclusive solution that combines doctor-patient interactions medical history, and other medical services.



Patient

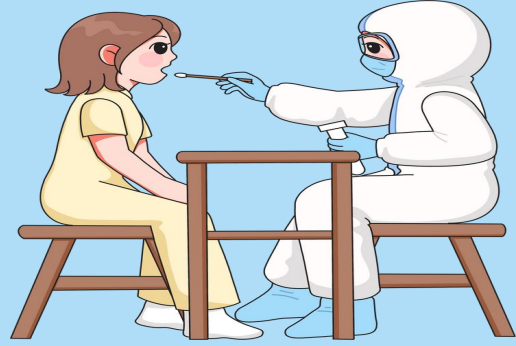
<-Have all their medical information stored on their profile.

<-Upload all their medical history to their profile

<-Look for a doctor of a specific specialty and book an appointment with them.

<-Rate and review a doctor.

<-Contact emergency services.



Doctor

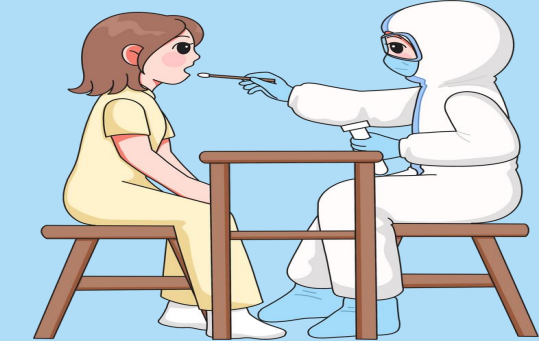
<-Updating patient medical records and adding notes.

<-Writing prescriptions for patients.

<-Accessing patient medical history.

<-Approving or requesting online/in-person appointments.

<-Requesting tests, managing schedules, and more.



Nurse

--> Accessing the records of patients they are responsible for.

Pharmacist

--> Access Medications Descriptions of Patient
--> Suggest alternative medicine in case of unavailability
--> Record the drug given to patient in Urgent Cases

Emergency Responder

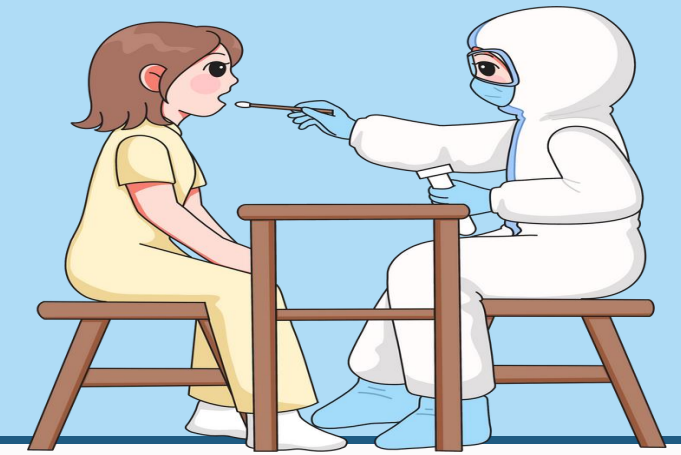
--> Access Medical profile of Patient in Urgent Cases

Admin

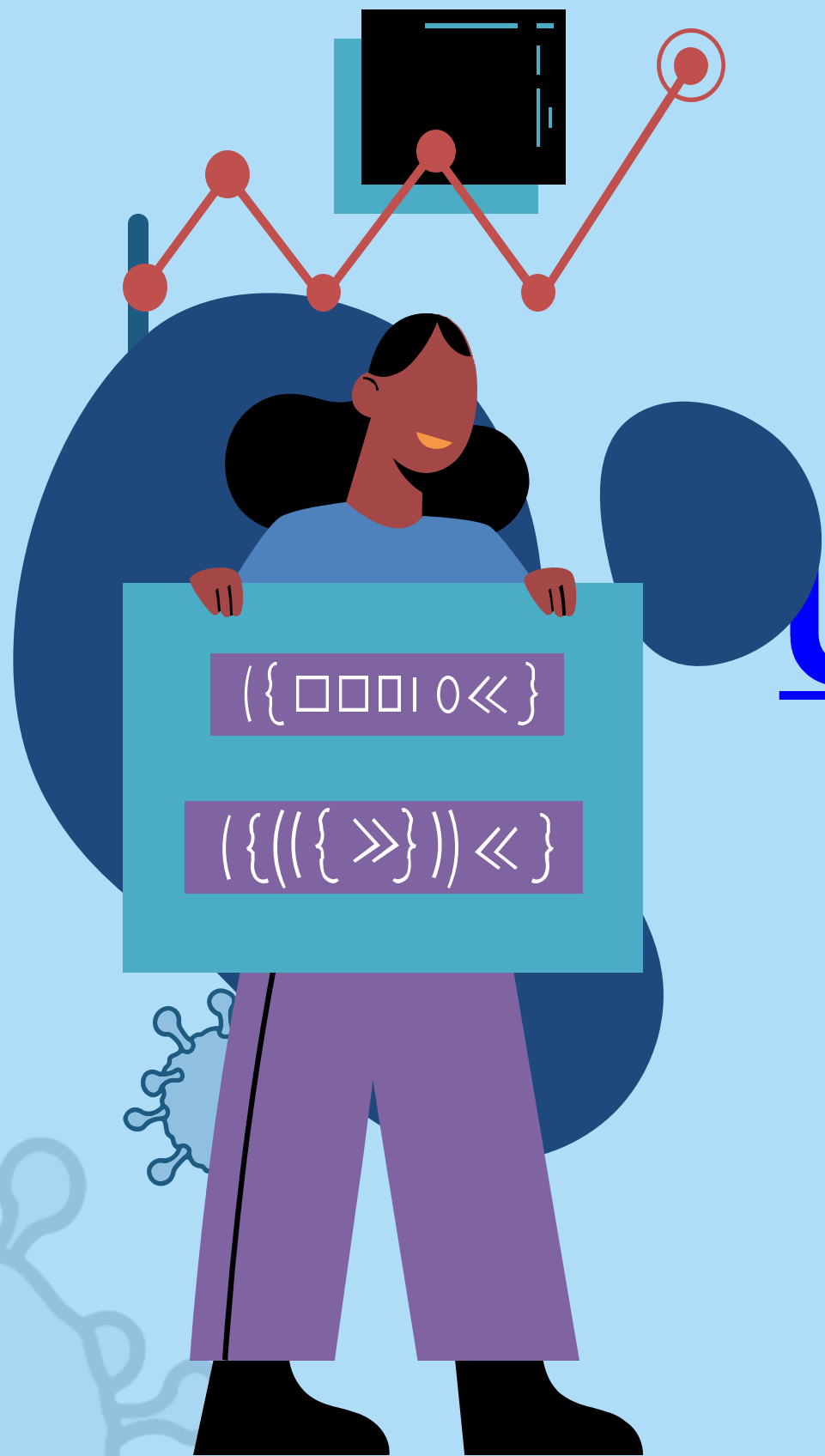
--> Share and update a doctor's schedule.
--> Contact patients scheduled with the doctor
--> See doctor's schedule and appointments



Non-functional Requirements

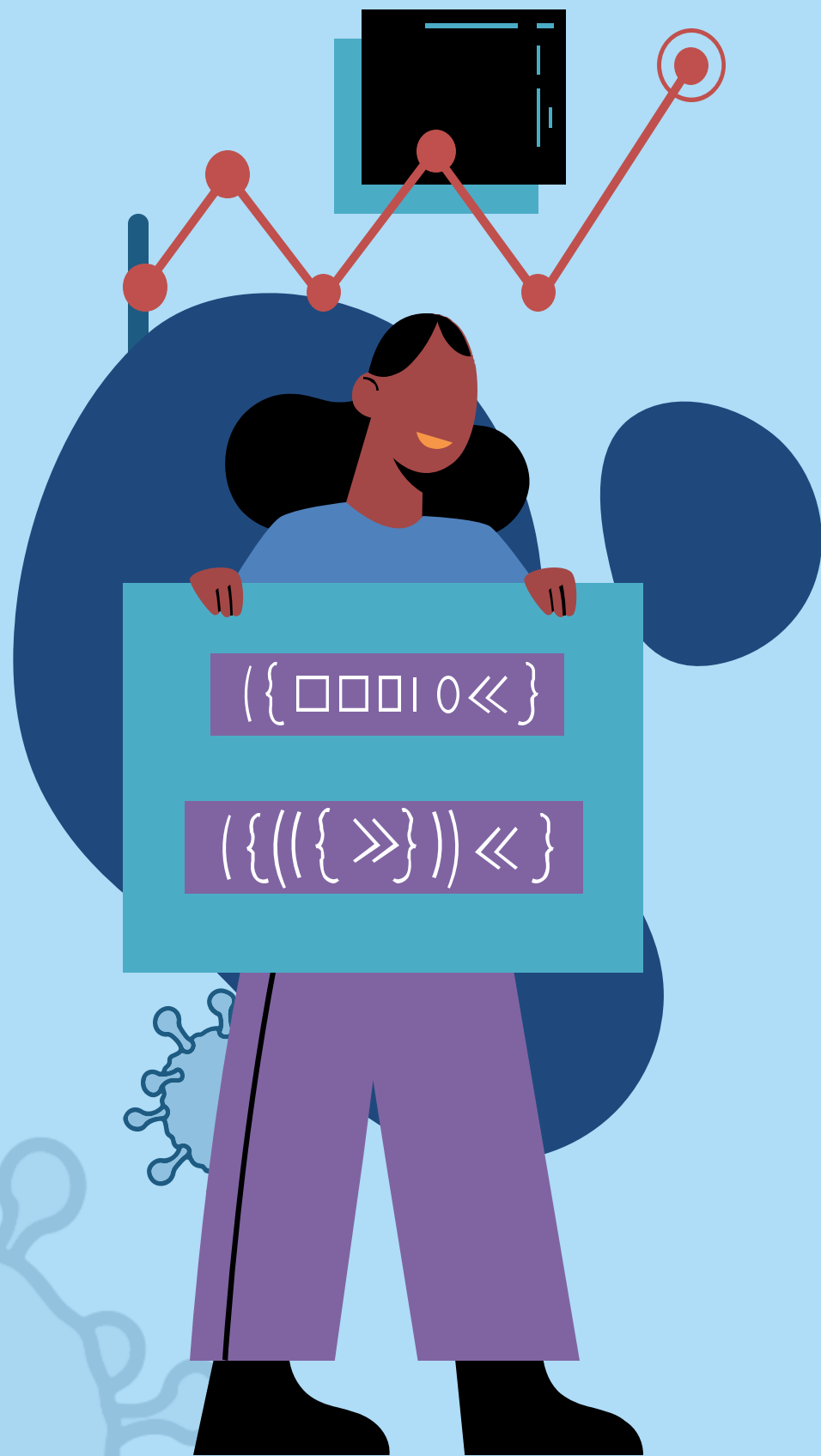


- All users should be able to access/ switch between different modes
- Users should be able to "acquire" titles/ modes
- Verify non-patient users
- Integrate multiple doctors, assistants, under an organization
- Older data is compressed and not stored on most active databases
- When a system goes down, the other one gets activated immediately
- (Authentication)-> google/ national id/ phone number/ medical id
- All patient data should be encrypted
- Integrated with a payment system through an API
- Emergency responders have access to a local database, only accessible to them
- The emergency database is updated regularly every day
- The emergency database only has critical information
- Doctor schedules are kept for a year



Use Case Diagram

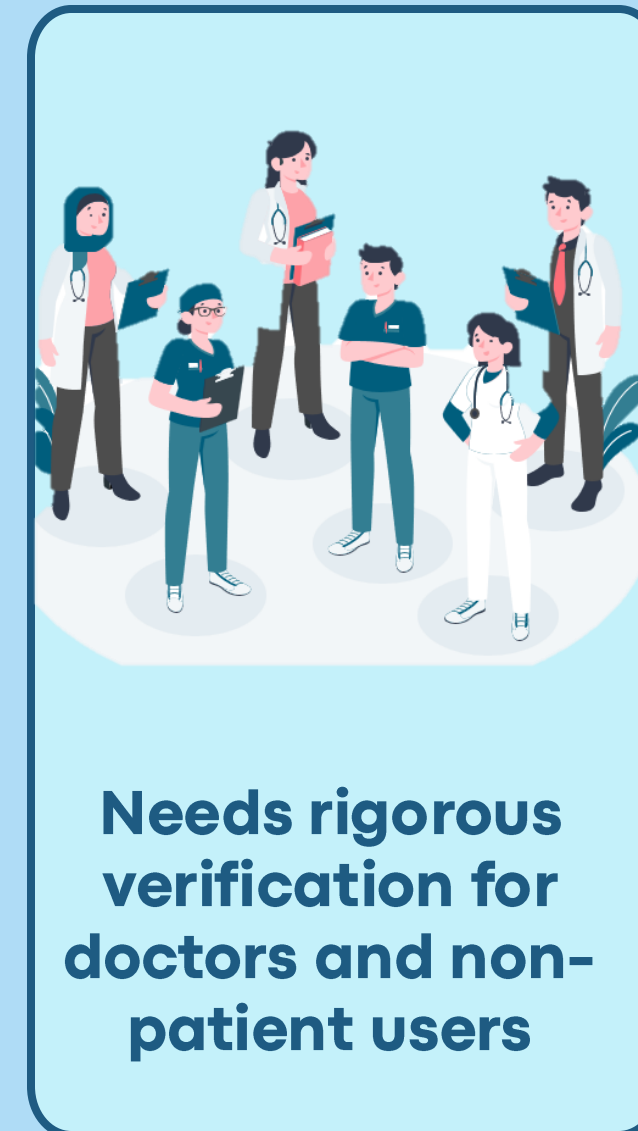




Architecture



Risks and Necessary Precautions



THANKS!

Do you have any questions?

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