

## Functional and Non-functional requirements:

### Functional requirements:

Registration : Patients need to register using Aadhaar since it's a universal record so multiple registrations of the same Patient are not possible. Doctors need to register and provide a doctor's license and other details which will be used for background checks. Only after getting verified by the admins, doctor's account will be created

Login : The registered Patient/Doctor/Admin needs to log in to access the functionalities of the system.

Patient and Doctor can edit his/her profile.

Patient and Doctor can view his/her profile.

Doctor and Admin can view medical records of any Patient

#### Patient:

1. After registration is completed Patients will fill in the basic details and initial medical details.
2. Patients can view his/her medical records with timelines.
3. Patients can add previous prescriptions/consultations as well.
4. Patient can add any prescription/consultation which he/she got from a doctor not registered to our application.

#### Doctor:

1. Doctors can add a new prescription/consultation.

#### Admin:

1. Admin will verify the doctor that has registered to the system and only after his/her approval doctor's account will be created else doctor's account will not be created.
2. Admin can deactivate the patient/doctor accounts.
3. Admin can view the profile of doctors and patients.

### Non-Functional Requirements:

1. Reliability: While inserting any data into the field the system must ensure that data is not altered before storing it in the database.
2. Design Constraints: The system should be developed using HTML 5, React, in the front-end side, and on the server-side Django will be used, and for the Database, MySQL is used. The system will be developed as a web application that can be used with all the latest browsers.
3. Availability: The system can be used or accessed at any time of the day. It'll be operational for the whole day.

4. Efficiency: The system must be efficient enough to handle multiple requests from doctors and patients from multiple locations.
5. Usability: The User-Interface must be simple and clean so that it becomes easier for every patient and doctor to use.
6. Capacity - The database must be capable enough to hold all the data like the patient's personal information and medical records along with doctor details.
7. Regulatory - The system will work within the boundaries of the law.