



**INSTITUTE FOR ADVANCED COMPUTING AND SOFTWARE
DEVELOPMENT AKURDI, PUNE**

Power Point Presentation on

“Book My Doc System”

PG-DAC MARCH 2023

**Submitted By:
Group No: 87**

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Introduction

This document outlines the business requirements and scope of the Doctor's Appointment System. Its purpose is to define functional and non-functional requirements, business rules, and constraints.

In the context of the pandemic, the project underscores the significance of internet power and the need to address issues in manually managing medical records. The project aims to eliminate errors and long waiting times, leading to savings in effort, funds, and work.

The system's objective is to develop a website that reduces patient waiting times and hospital crowding. It primarily focuses on managing Doctor and patient details, test information, and booking numbers. The system ensures secure and organized storage of records for future reference.

Objective

The objective of the Online Doctor Appointment Booking Web Application is to provide users a convenient, efficient, and user-friendly solution for scheduling medical appointments. Our platform presents a comprehensive list of doctors, including their schedules and availability in specific hospitals. This empowers users to make well-informed decisions and seamlessly book appointments, eliminating the need for unnecessary visits. By minimizing such visits, our system enhances hospital efficiency, reduces wait times, and ensures a smoother experience for both doctors and patients.

Scope

This System is designed to offer a user-friendly solution for scheduling medical appointments and services exclusively within a single, chosen hospital. The application will empower users with the ability to access doctor information, schedules, and availability within the confines of this hospital, ensuring a seamless and informed booking experience. While presently focused on a specific hospital, the project's potential expansion to encompass multiple healthcare facilities remains a possibility for future iterations.

Technology Used

Frontend:

React: Used for building the user interface, ensuring a responsive and intuitive user experience.

Backend:

Java Spring Boot: Employed to create the business logic layer, providing robust and efficient backend services.

Database:

MySQL: Chosen as the backend database management system for secure storage and retrieval of data.

This technology stack ensures a seamless and user-friendly Doctor's Appointment System, leveraging the strengths of each component for a comprehensive solution.

Software & Hardware Configuration

For front-end-server:

- Windows10 & higher version
- Web browser: Chrome , Microsoft Edge
- Intel i5 10th gen or higher
- Minimum 4 gb Ram
- Minimum 64 gb Hard Disk Drive
- Monitor , Keyboard , Mouse
- 64-Bit Operating System

For Back-end-server:

- Windows10 & higher version
- MySQL 8.0
- Apache Tomcat Server
- Monitor , Keyboard , Mouse
- 64-Bit Operating System
- Intel i5 10th gen or higher
- Minimum 8 gb Ram
- Minimum 128 gb Hard Disk Drive

Functionality

The Doctor's Appointment System is composed of three distinct modules, each designed to serve a specific role within the application:

Admin Module:

- Admin can log in to the system.
- Admin can register a newly recruited doctor.
- Admin can view a comprehensive list of all registered doctors and patients.
- Admin possesses the authority to view detailed information about doctors and patients, as well as the capability to remove them.
- Admin can access and review the complete schedule of appointment bookings for all doctors.
- Admin is empowered to approve or reject patient appointment cancellation requests.

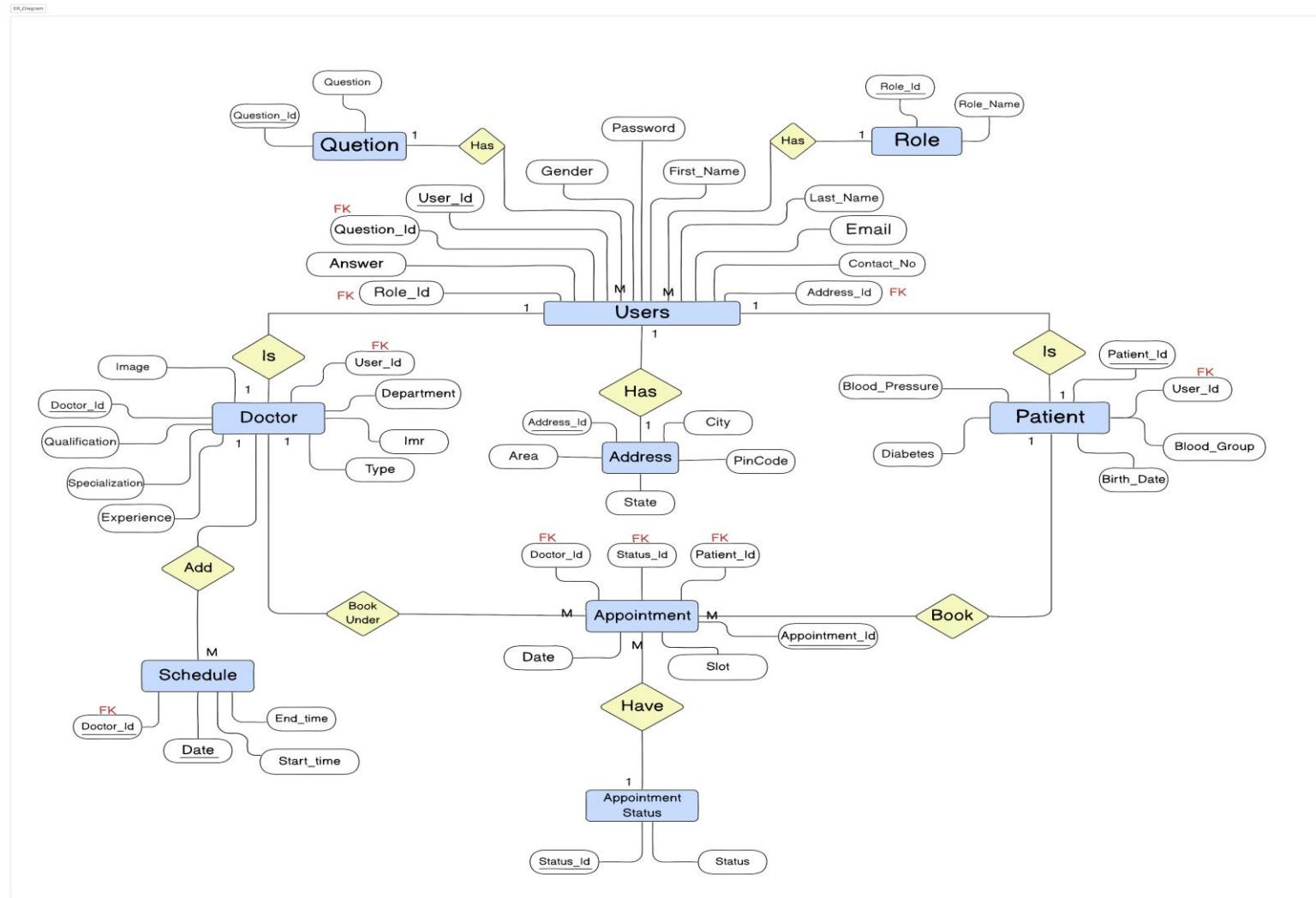
Doctor Module:

- Doctors can log in to their accounts.
- Doctors can add or modify their availability schedules.
- Doctors can access details of revisiting patients to enhance personalized care.
- Doctors can view their own appointment schedules.

Patient Module:

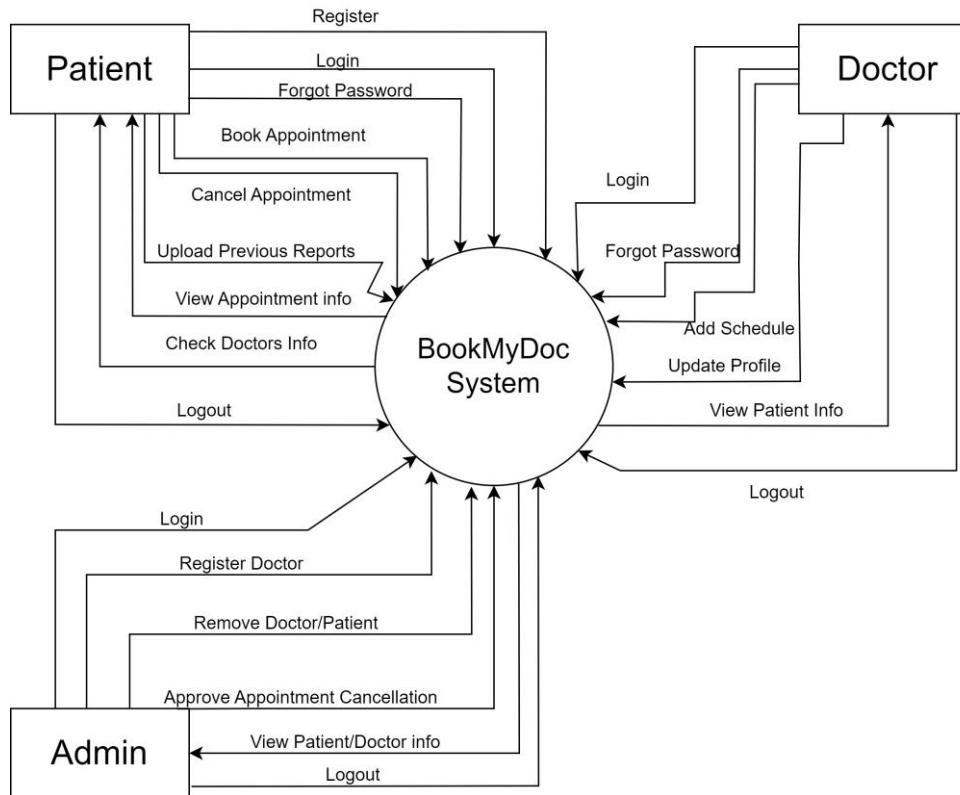
- Patients can register within the system and subsequently book appointments.
- Registered patients can securely log in to their accounts.
- Patients can initiate the booking and cancellation of appointments.
- Patients can access their prescribed treatment plans provided by the doctors.
- Patients can request password reset in case of forgotten credentials.

Entity-Relationship Diagrams

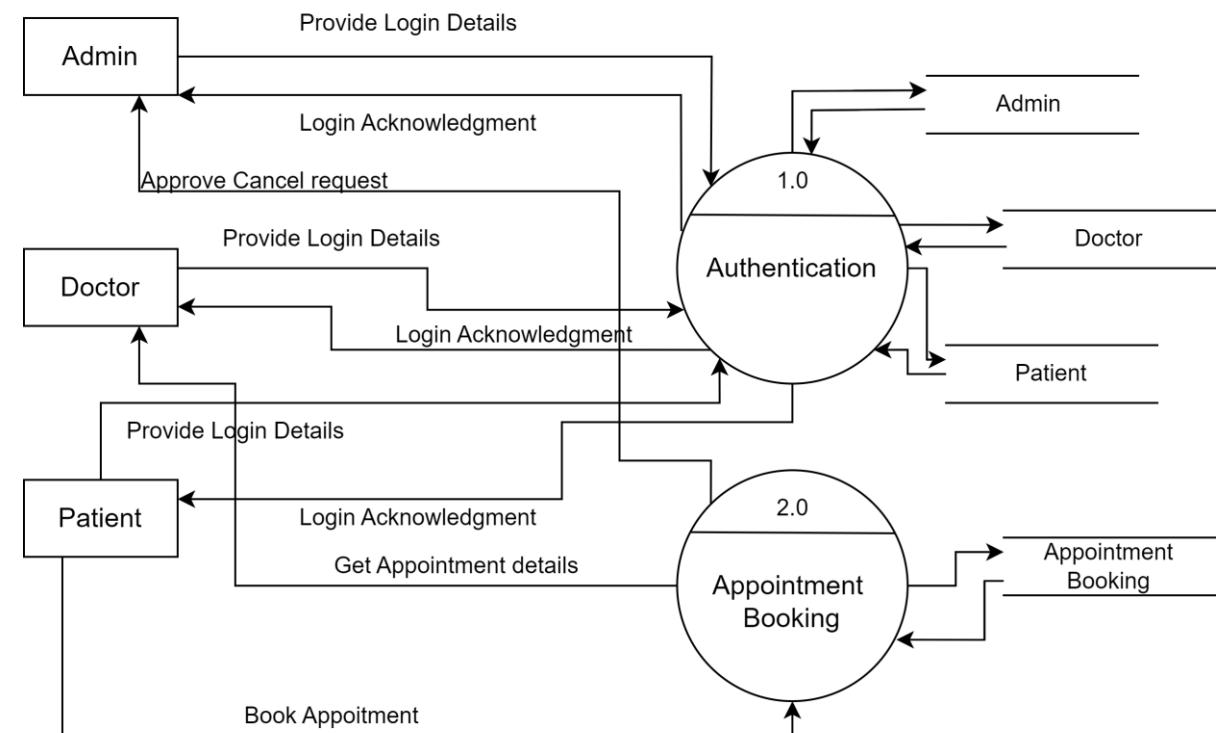


Data Flow Diagrams

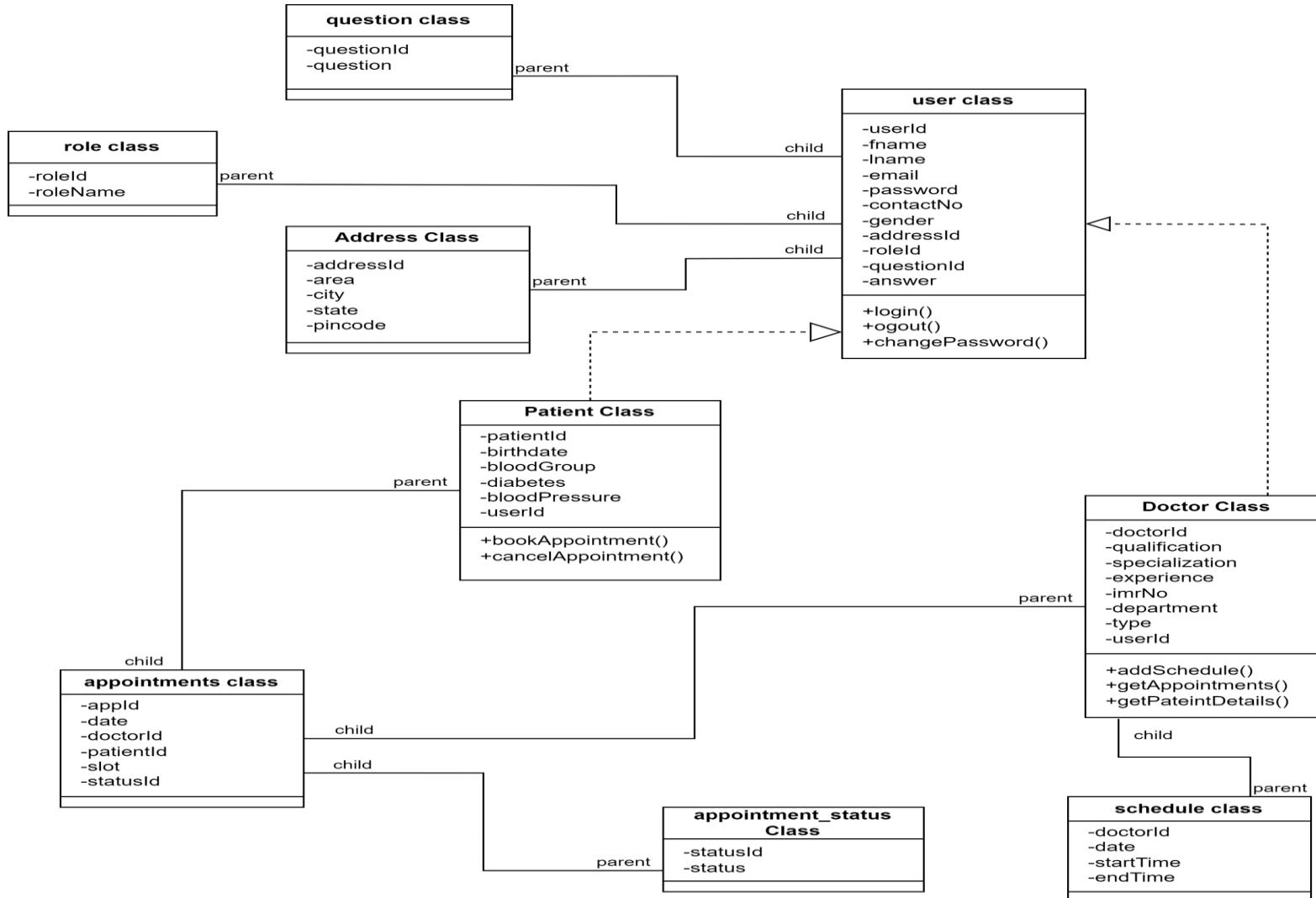
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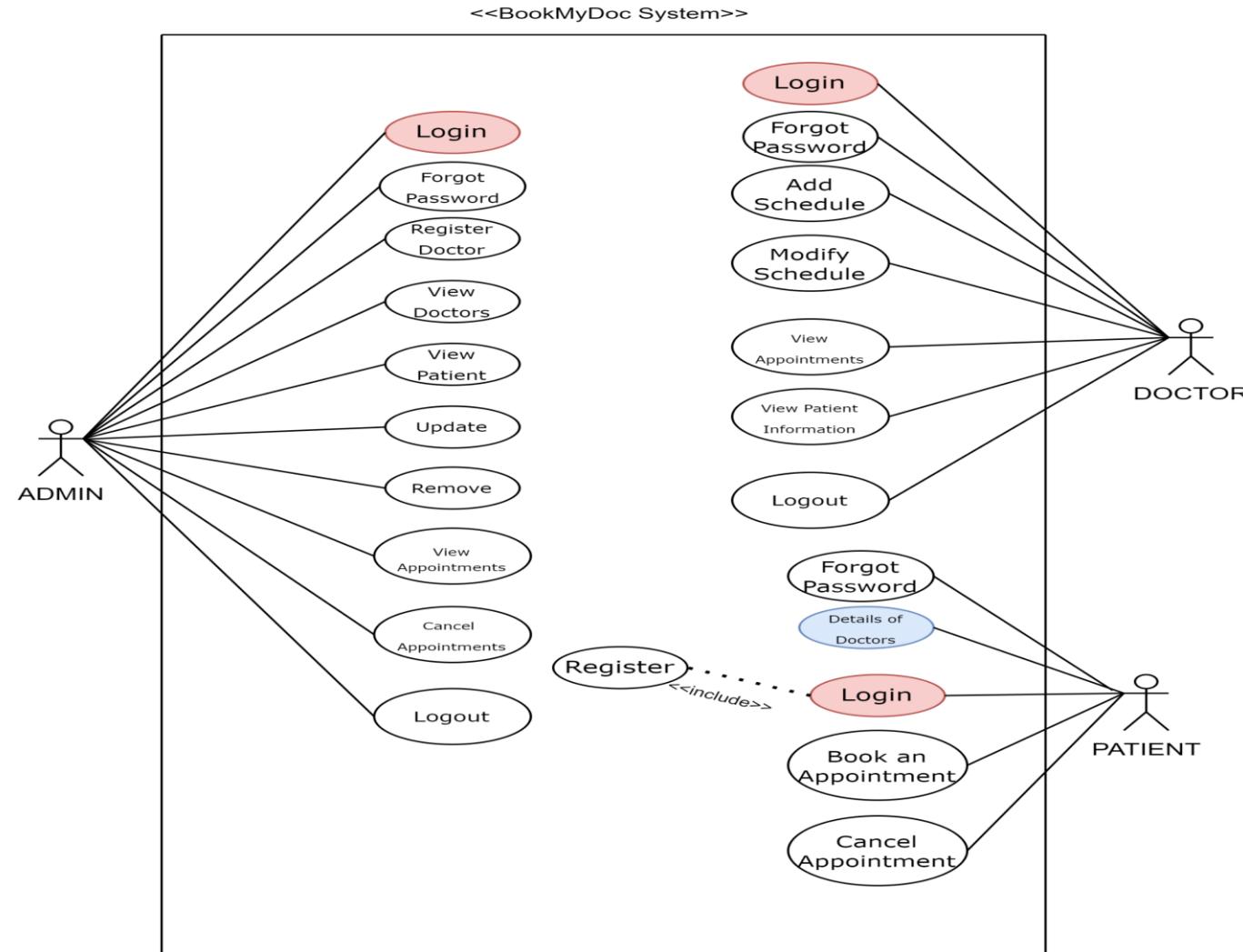
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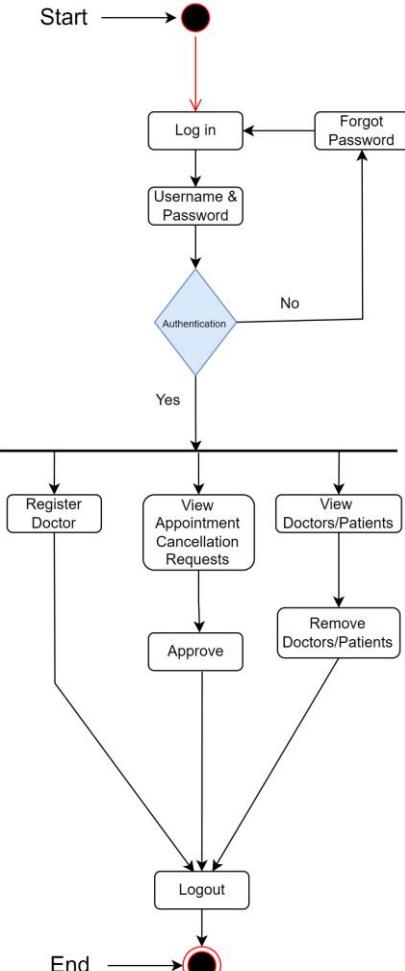
Class Diagram



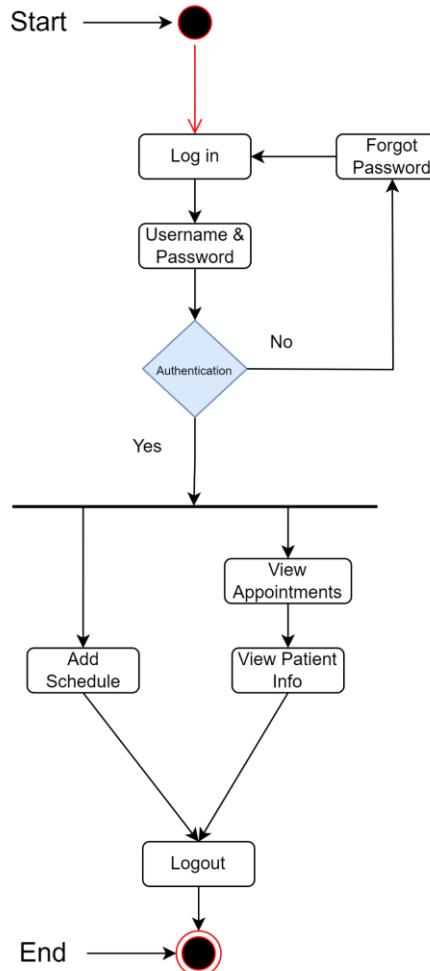
Use Case Diagrams



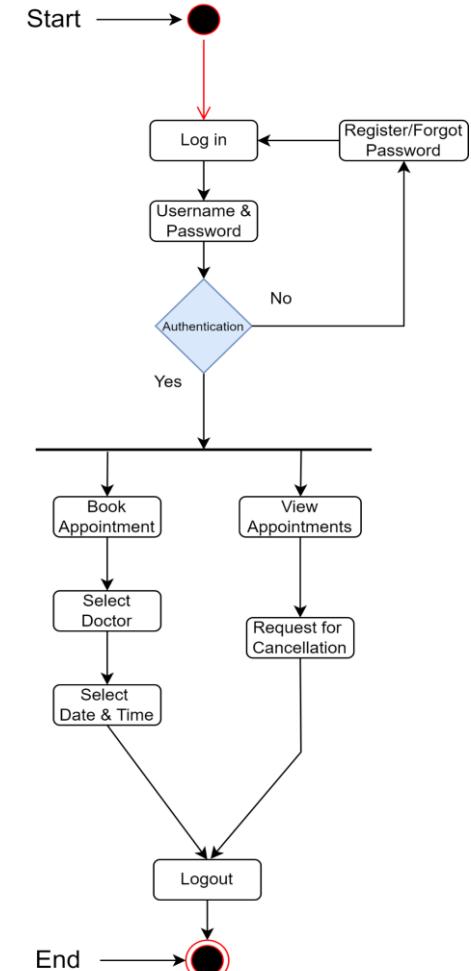
Activity Diagrams



Activity Diagram for Admin

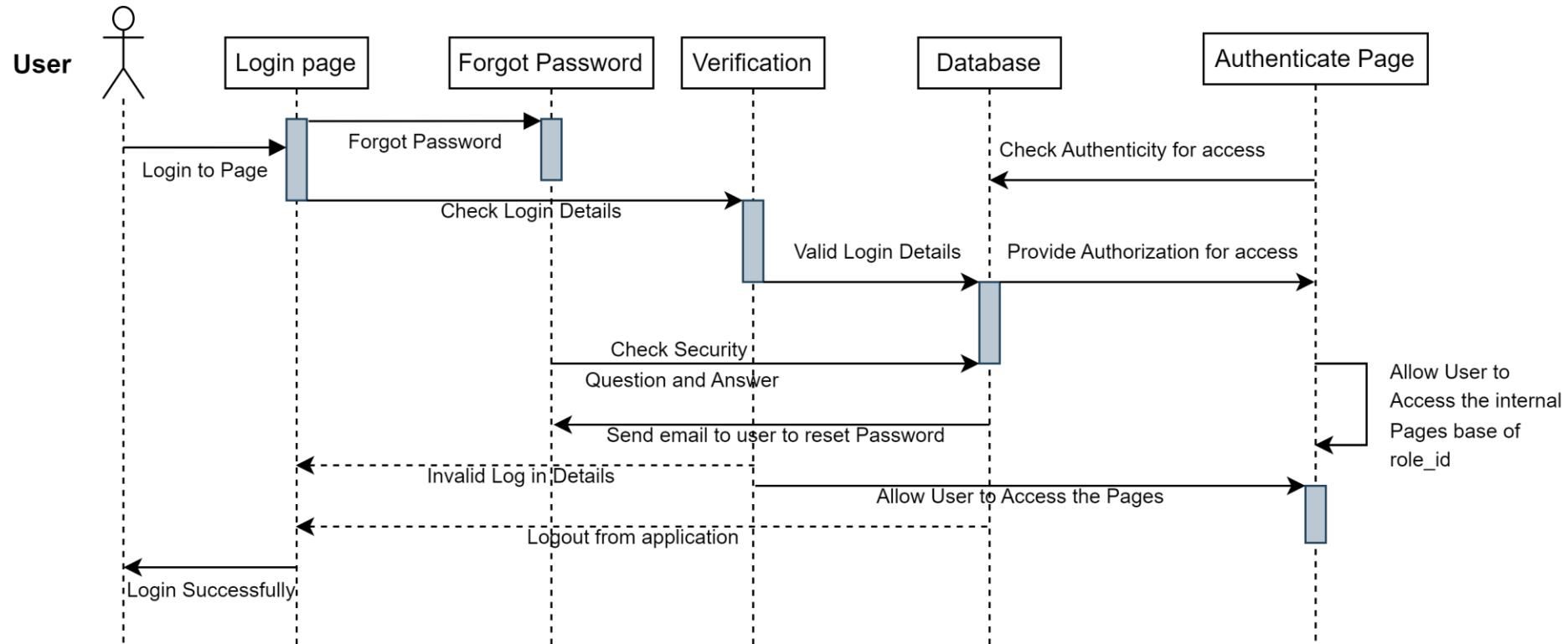


Activity Diagram for Doctor

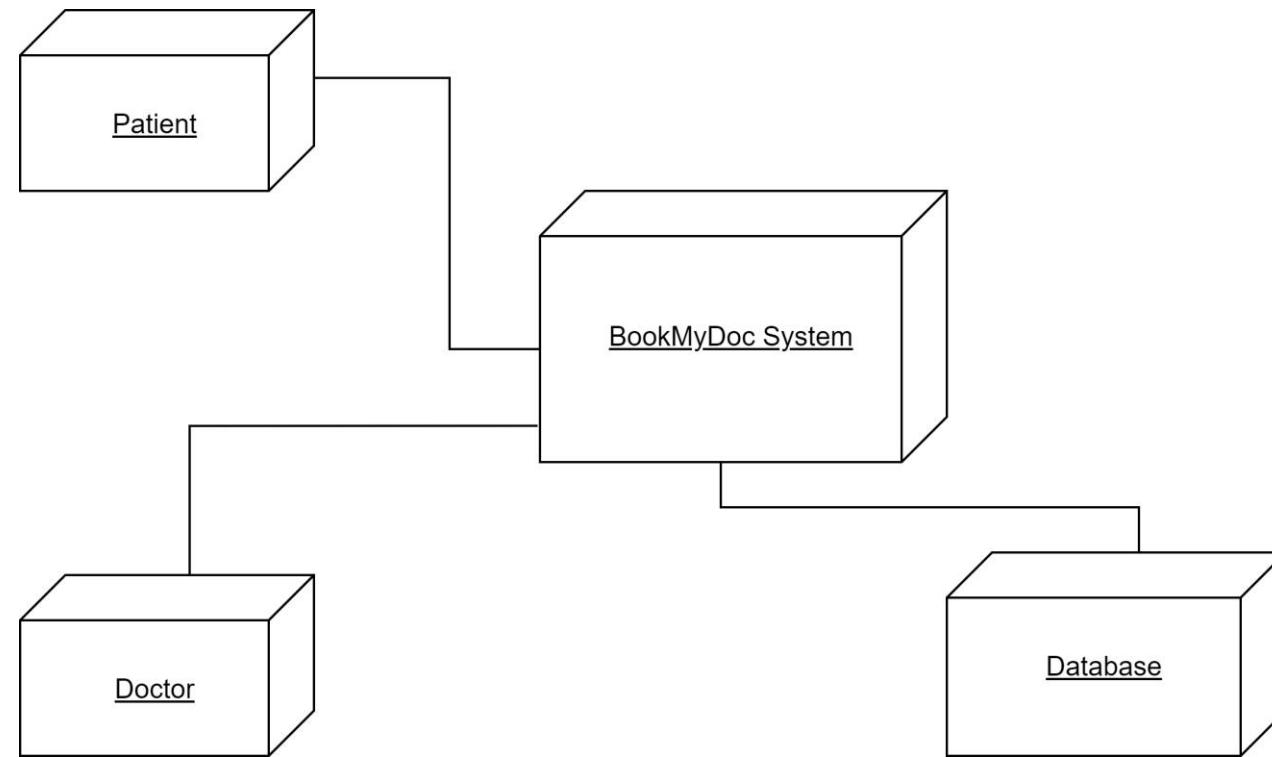


Activity Diagram for Patient

Sequence Diagram

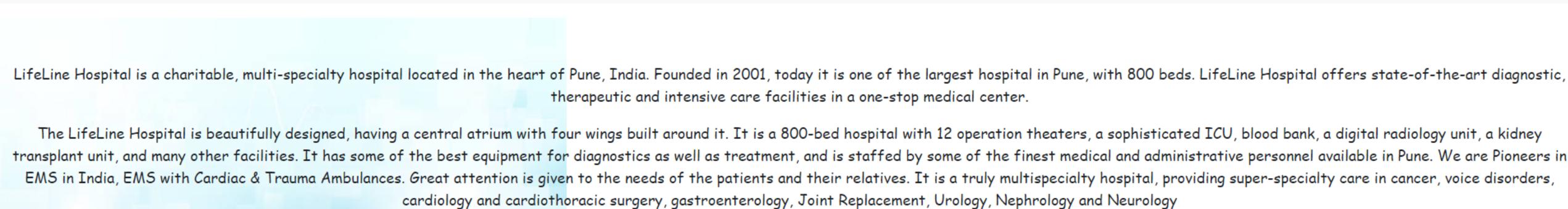


Deployment Diagram



Anonymous User





LifeLine Hospital is a charitable, multi-specialty hospital located in the heart of Pune, India. Founded in 2001, today it is one of the largest hospital in Pune, with 800 beds. LifeLine Hospital offers state-of-the-art diagnostic, therapeutic and intensive care facilities in a one-stop medical center.

The LifeLine Hospital is beautifully designed, having a central atrium with four wings built around it. It is a 800-bed hospital with 12 operation theaters, a sophisticated ICU, blood bank, a digital radiology unit, a kidney transplant unit, and many other facilities. It has some of the best equipment for diagnostics as well as treatment, and is staffed by some of the finest medical and administrative personnel available in Pune. We are Pioneers in EMS in India, EMS with Cardiac & Trauma Ambulances. Great attention is given to the needs of the patients and their relatives. It is a truly multispecialty hospital, providing super-specialty care in cancer, voice disorders, cardiology and cardiothoracic surgery, gastroenterology, Joint Replacement, Urology, Nephrology and Neurology

Vision

"To provide Rational Ethical Medical Services of Highest Quality to all Patients at affordable cost without any discrimination."

Mission

"To provide competent, ethical, tertiary healthcare services with charity as a core value."

Core Values

Patient-centric Care

Rational & Ethical Medical Practice

Holistic Approach

Charity

Quality Policy

Lifeline Hospital believes in highest professional competence with a human touch and will deliver excellent medical treatment to everyone. We will follow rational and ethical medical practices implicitly. We are committed to medico-social services.

Quality Objective

We will sincerely work together as a team to make Lifeline Hospital a medical centre of international reputation. We will provide excellent health education pre and post hospital care. We will not discriminate between rich and poor with regard to medical treatment.

localhost:3000/viewDoctors

YouTube DSA-Bootcamp-Jav... Mock Test Links.doc... ChatGPT (643) Java + DSA +... Swagger UI .NET documentatio... HTML to JSX Spring Framework... Overview (Java SE 1... Java(TM) EE 8 Speci...

BookMyDoc

LifeLine Hospital

Home About us Doctors Departments ▾ Patient Registration Contact us Login

List of Doctors



Dr. Rahul More

IMR no. : 123456
Qualification : MD
Specialization : Pediatrics
Experience : 11

[Book an Appointment](#)



Dr. Tanmay Mahamuni

IMR no. : 458985
Qualification : MBBS
Specialization : Pediatrics
Experience : 8

[Book an Appointment](#)



Dr. Somesh Prem

IMR no. : 565989
Qualification : MD
Specialization : Cardiology
Experience : 18

[Book an Appointment](#)



IMR no. : 646558

[Book an Appointment](#)

Pediatrics
Cardiology
Orthopedics



Dr. Rahul More

List of Doctors

IMR no. : 123456

[Book an Appointment](#)

Qualification : MD

Specialization : Pediatrics

Experience : 11



Dr. Tanmay Mahamuni

IMR no. : 458985

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IMR no. : 565989

[Book an Appointment](#)

Qualification : MD

Specialization : Cardiology

Experience : 18

IMR no. : 646558

[Book an Appointment](#)

Department of Pediatrics



Dr. Rahul More

IMR no. : 123456

Qualification : MD

Specialization : Pediatrics

Experience : 11

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Dr. Tanmay Mahamuni

IMR no. : 458985

Qualification : MBBS

Specialization : Pediatrics

Experience : 8

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Department of Cardiology



Dr. Somesh Prem

IMR no. : 565989

Qualification : MD

Specialization : Cardiology

Experience : 18

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Dr. Deep Panchal

IMR no. : 646558

Qualification : DO

Specialization : Cardiology

Experience : 13

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Department of Orthopedics



Dr. Basavaraj Talavar

IMR no. : 545589

Qualification : MS

Specialization : Orthopedics

Experience : 3

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Dr. Tejaswini Thorat

IMR no. : 221215

Qualification : DNB

Specialization : Orthopedics

Experience : 15

Book an Appointment



LifeLine Hospital

Near Deccan Gymkhana,
Deccan, Pune 411004,
Tel. +91 20 4017 2001 / 204937
Fax. (+91) 20 2679 1107
Email: lifeline@hospital.org



LOGIN

Email

Enter email

Password

Enter password

Reset

Submit

[Forget Password](#)[New Patient ? Register here ...](#)

PATIENT REGISTRATION FORM

First Name:

Michael

Last Name:

Patel

Email:

michael@gmail.com

Contact No.:

8798988878

Gender :- Male Female

BirthDate:

06/09/1992



Blood Group:

O+

Diabetes :- Yes No

Blood Pressure :- Yes No

Area:

Blood Group:

O+

Diabetes :- Yes No

Blood Pressure :- Yes No

Area:

RupeeNagar

City:

Pune

State:

Maharashtra

Pincode:

411019

Password.:

.....

Confirm Password.:

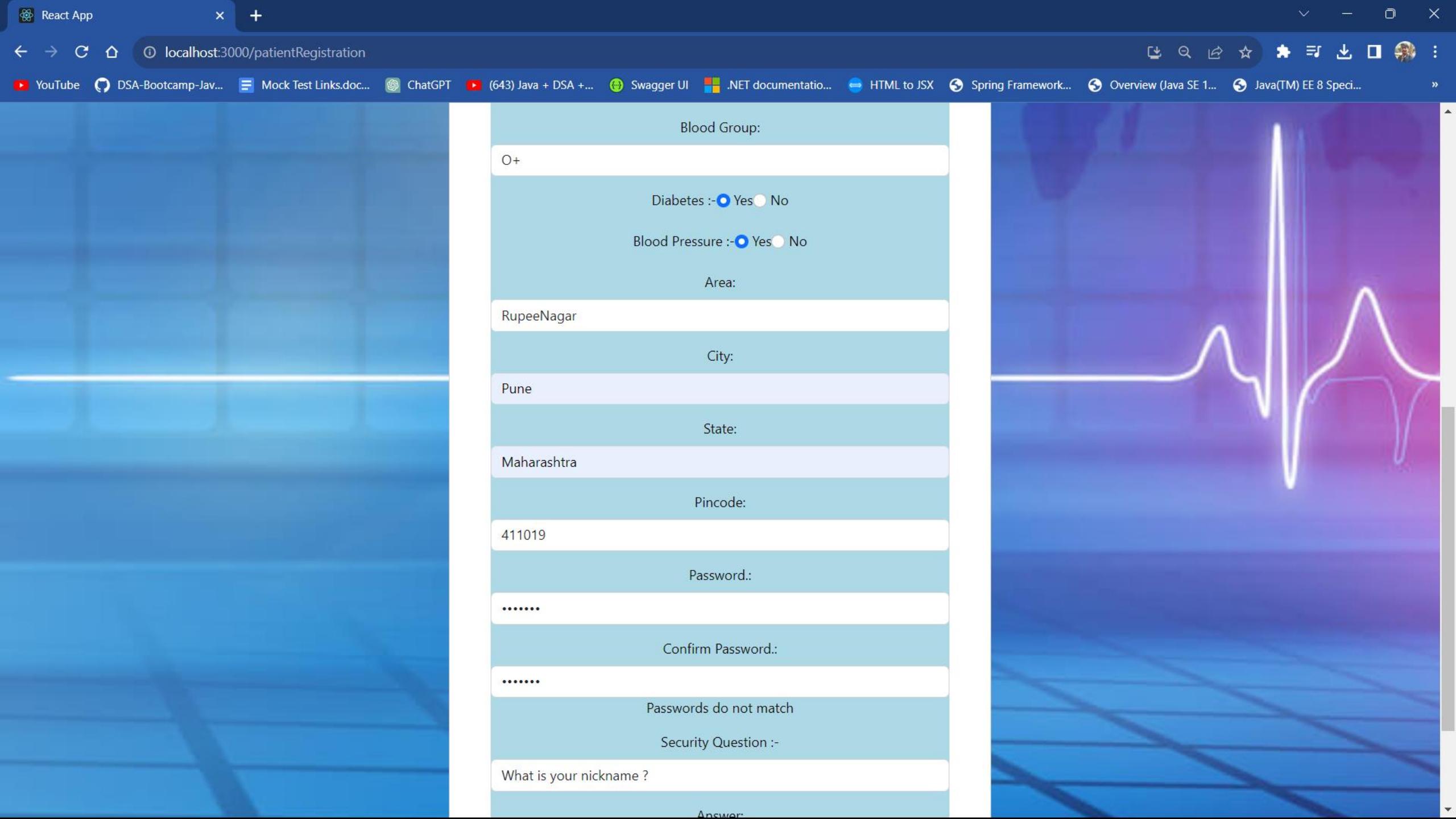
.....

Passwords do not match

Security Question :-

What is your nickname ?

Answer:



Area:

City:

State:

Pincode:

Password.:

Confirm Password.:

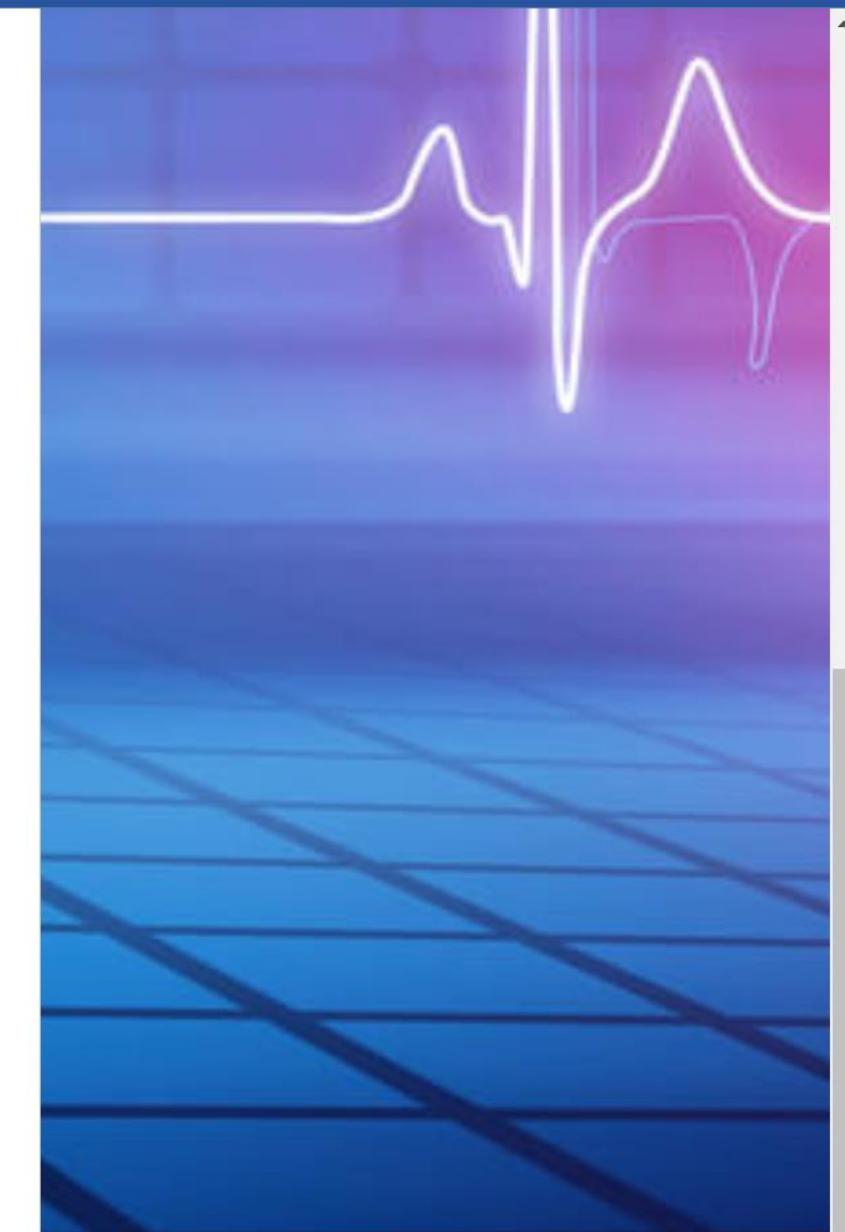
Passwords do not match

Security Question :-

What is your nickname ?

Answer:

Submit **Clear**



localhost:3000 says

Registration Successful...

OK

City:

Pune

State:

Maharashtra

Pincode:

411019

Password.:

.....

Confirm Password.:

.....

Passwords do not match

Security Question :-

What is your nickname ?

Answer:

michael

Submit

Clear

Doctor Login



LOGIN

Email

tejaswini@gmail.com

Password

.....

Reset

Submit

[Forget Password](#)
[New Patient ? Register here ...](#)

BookMyDoc**LifeLine Hospital**

Doctor Home Page

[View Appointments](#) [Add Schedule](#) [Logout](#)

Welcome Tejaswini Thorat

[View Appointments](#) [Add Schedule](#) [Logout](#)

localhost:3000 says

Schedule added

OK

Welcome Tejaswini Thorat

ADD SCHEDULE

Date:

08/30/2023



Start Time

11:00 AM



End Time

01:00 PM



Reset

Submit

BookMyDoc

LifeLine Hospital

Doctor Home Page

[View Appointments](#) [Add Schedule](#) [Logout](#)

Welcome Tejaswini Thorat

View Appointments

Date	Day	Time	Patient Name	
2023-08-30	Wednesday	11:00:00	Mohan Talavar	View Info
2023-08-30	Wednesday	11:30:00	Tushar Pawar	View Info
2023-09-05	Tuesday	14:30:00	Pranay Patil	View Info



Patient Login

Welcome Mohan Talavar

My Appointments Book An Appointment Logout

View Appointments

Date	Day	Time	Doctor Name	
2023-08-30	Wednesday	11:00:00	Tejaswini Thorat	<button>Cancel</button>
2023-09-05	Tuesday	13:00:00	Tejaswini Thorat	<button>Cancel</button>

BookMyDoc

LifeLine Hospital

Welcome Mohan Talavar

[My Appointments](#) [Book An Appointment](#) [Logout](#)

Date	Day	Slot Timings					
2023-09-02	Saturday	13:00:00	13:30:00	14:00:00	14:30:00	15:00:00	15:30:00

Admin Login

Admin Home

[View Doctors](#) [View Patients](#) [View Appointments](#) [Approvals](#) [Register Doctor](#) [Logout](#)

Doctors Information

Doctor ID	Name	Department		
1	Dr. Rahul More	Pediatrics	View Info	Remove
2	Dr. Tanmay Mahamuni	Pediatrics	View Info	Remove
3	Dr. Somesh Prem	Cardiology	View Info	Remove
4	Dr. Deep Panchal	Cardiology	View Info	Remove
5	Dr. Basavaraj Talavar	Orthopedics	View Info	Remove
6	Dr. Tejaswini Thorat	Orthopedics	View Info	Remove

localhost:3000/adminhome/viewAllPatients

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BookMyDoc

LifeLine Hospital

Admin Home

View Doctors View Patients View Appointments Approvals Register Doctor Logout

Patients Information

Patient ID	Name	BirthDate		
1	Mohan Talavar	2000-05-20	View details	Remove
2	Pranay Patil	1998-02-11	View details	Remove
3	Tushar Pawar	2001-10-16	View details	Remove
4	Aahad Shaikh	1999-10-12	View details	Remove
5	Michael Patel	1992-06-09	View details	Remove



ENG IN 11:51 AM 8/29/2023

Admin Home

[View Doctors](#) [View Patients](#) [View Appointments](#) [Approvals](#) [Register Doctor](#) [Logout](#)

Appointments Information

Appointment ID	Patient Name	Doctor Name	Date	Day	Time	Status
11	Mohan Talavar	Dr. Tejaswini Thorat	2023-08-30	Wednesday	11:00:00	scheduled
12	Tushar Pawar	Dr. Basavaraj Talavar	2023-09-02	Saturday	15:00:00	cancellation requested
13	Aahad Shaikh	Dr. Basavaraj Talavar	2023-09-02	Saturday	13:00:00	scheduled
14	Tushar Pawar	Dr. Tejaswini Thorat	2023-08-30	Wednesday	11:30:00	scheduled
15	Pranay Patil	Dr. Tejaswini Thorat	2023-09-05	Tuesday	14:30:00	scheduled
16	Michael Patel	Dr. Tejaswini Thorat	2023-09-05	Tuesday	15:30:00	cancellation requested
17	Mohan Talavar	Dr. Tejaswini Thorat	2023-09-05	Tuesday	13:00:00	scheduled



BookMyDoc

LifeLine Hospital

Admin Home

[View Doctors](#) [View Patients](#) [View Appointments](#) [Approvals](#) [Register Doctor](#) [Logout](#)

DOCTOR REGISTRATION FORM

First Name:

Enter first name...

Last Name:

Enter last name...

Email:

Enter email...

Contact No.:

Enter contact no...

Gender :- Male Female

Thank You