



E-Doctor

Outpatient Doctor Appointment System

Team - 2

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Project Statement

The project aims to develop a user-friendly web application that facilitates the booking of outpatient appointments with doctors, streamlining the process for both patients and healthcare providers.



Abstract

This project aims to develop a user-friendly web application to streamline outpatient appointment booking for patients and healthcare providers. The platform will simplify scheduling, provide real-time availability updates, and ensure seamless appointment management. By reducing wait times and optimizing workflows, the application enhances convenience and efficiency. Patients can easily access healthcare services, while providers benefit from improved resource utilization. This solution promotes a more accessible and efficient healthcare experience for all users.



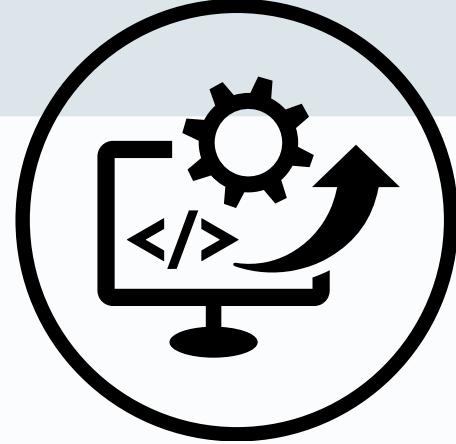
Introduction

The E-Doctor Application is a web-based platform designed to revolutionize the process of booking outpatient appointments. By connecting patients and doctors through a seamless interface, the application eliminates inefficiencies in traditional scheduling methods. It offers features such as user authentication, real-time appointment booking, doctor availability management, and automated notifications.

This project aims to improve the experience of healthcare delivery by simplifying appointment management for both patients and doctors, ensuring convenience, accessibility, and satisfaction for all stakeholders involved.



Requirements



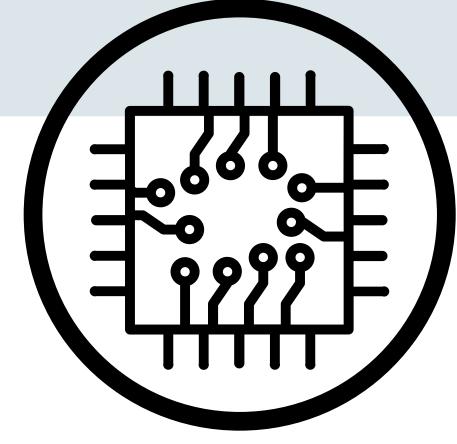
Frontend: React.js

Backend: Spring Boot, Maven

Database: MySQL , PostgreSQL

Tools: IntelliJ IDEA/Eclipse, Visual Studio Code, Postman.

OS: Windows 10/11, macOS, or Linux



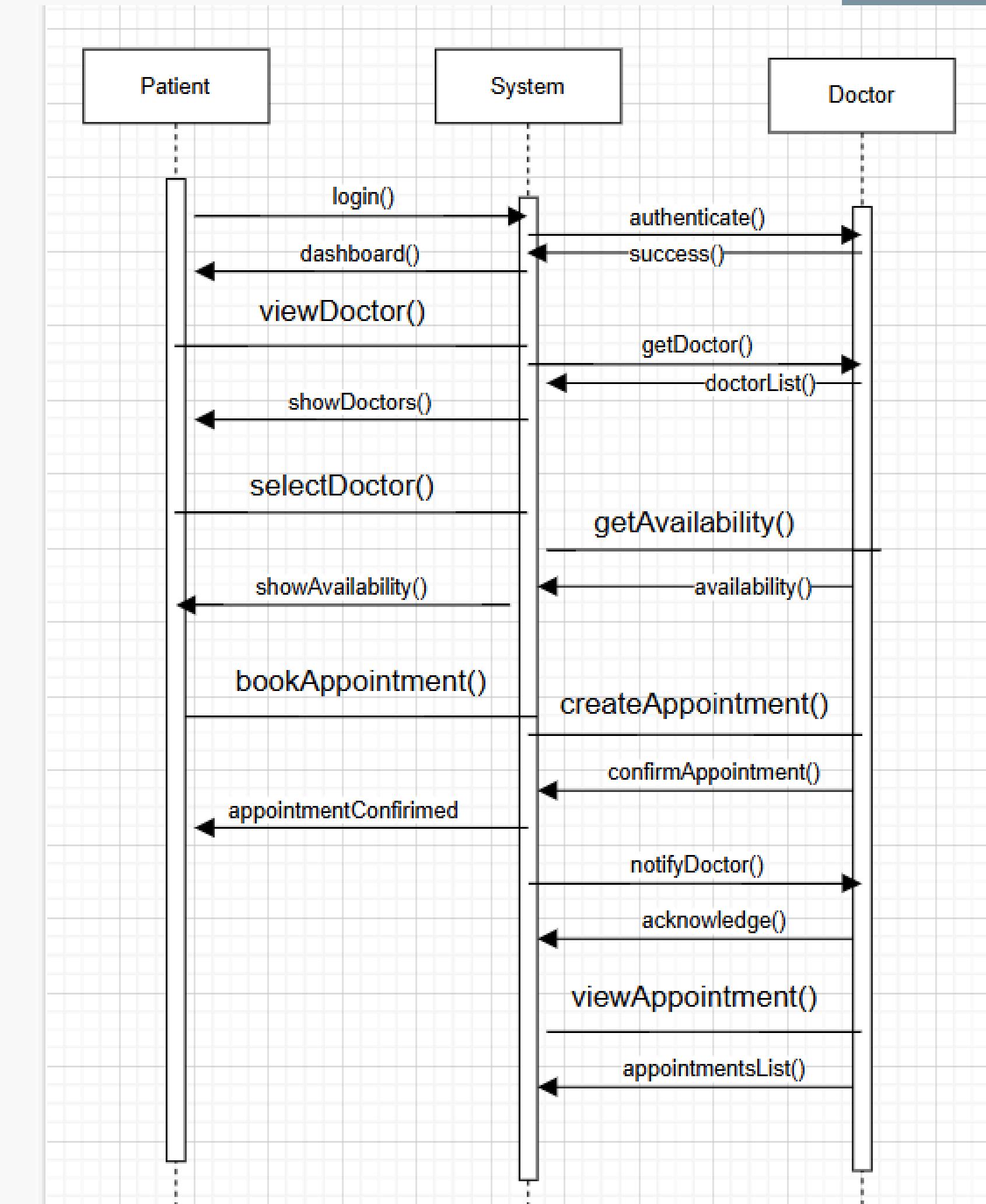
Processor: Intel i3+ / AMD equivalent

RAM: 8 GB (Recommended: 16 GB)

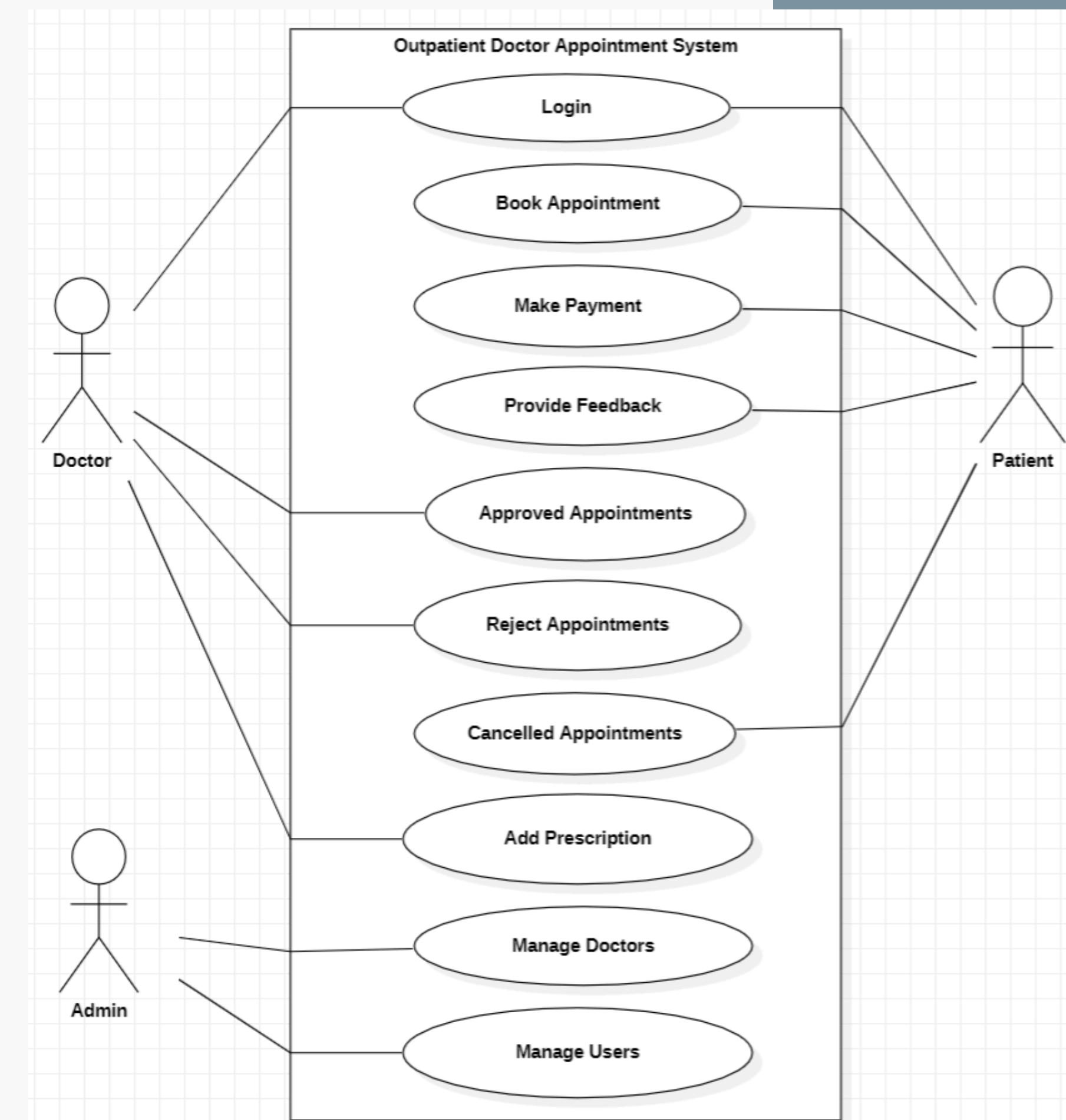
Storage: 256 GB SSD or 500 GB HDD
(Recommended: 512 GB SSD)

Internet: Stable connection

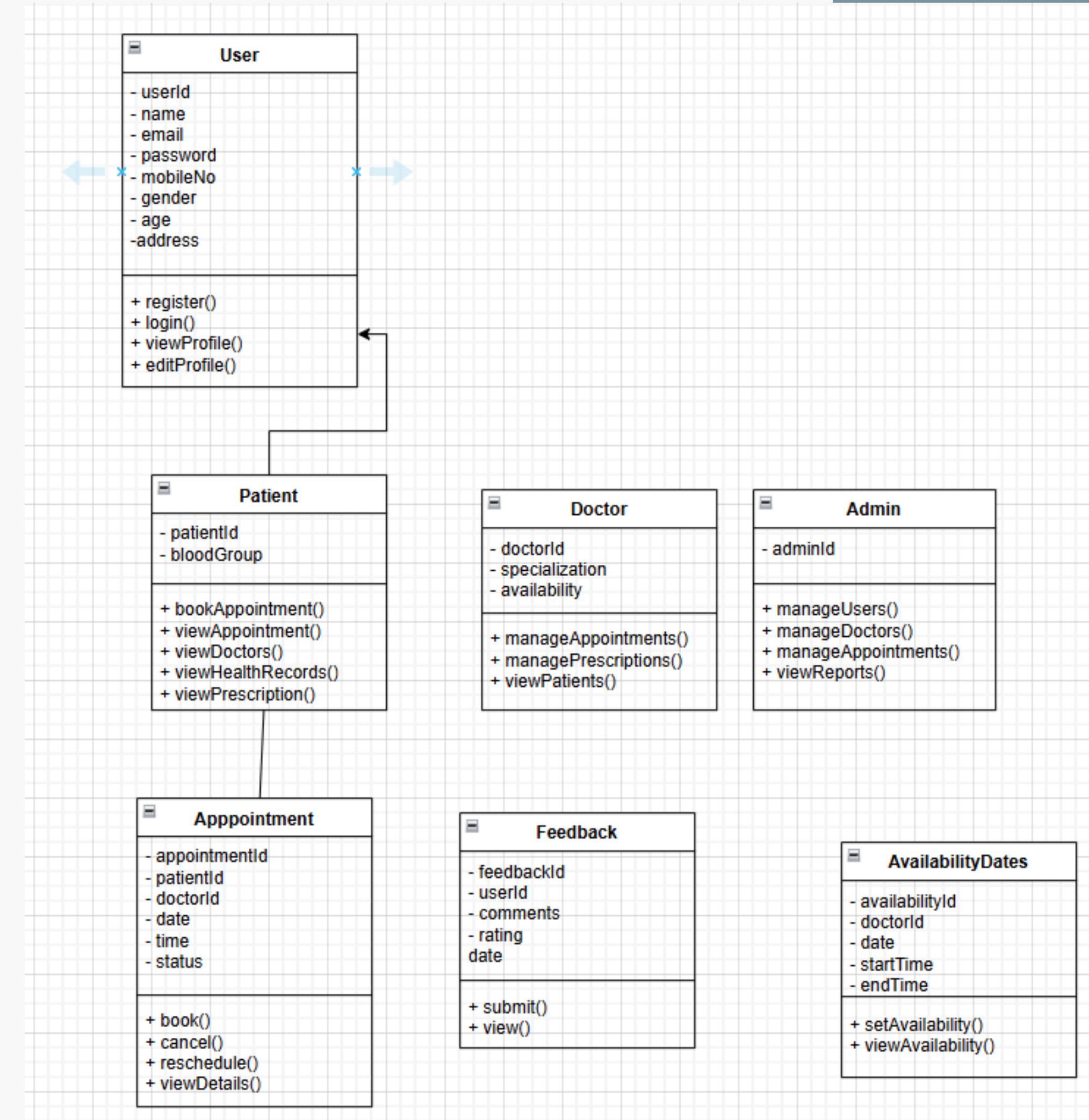
Sequence Diagrams



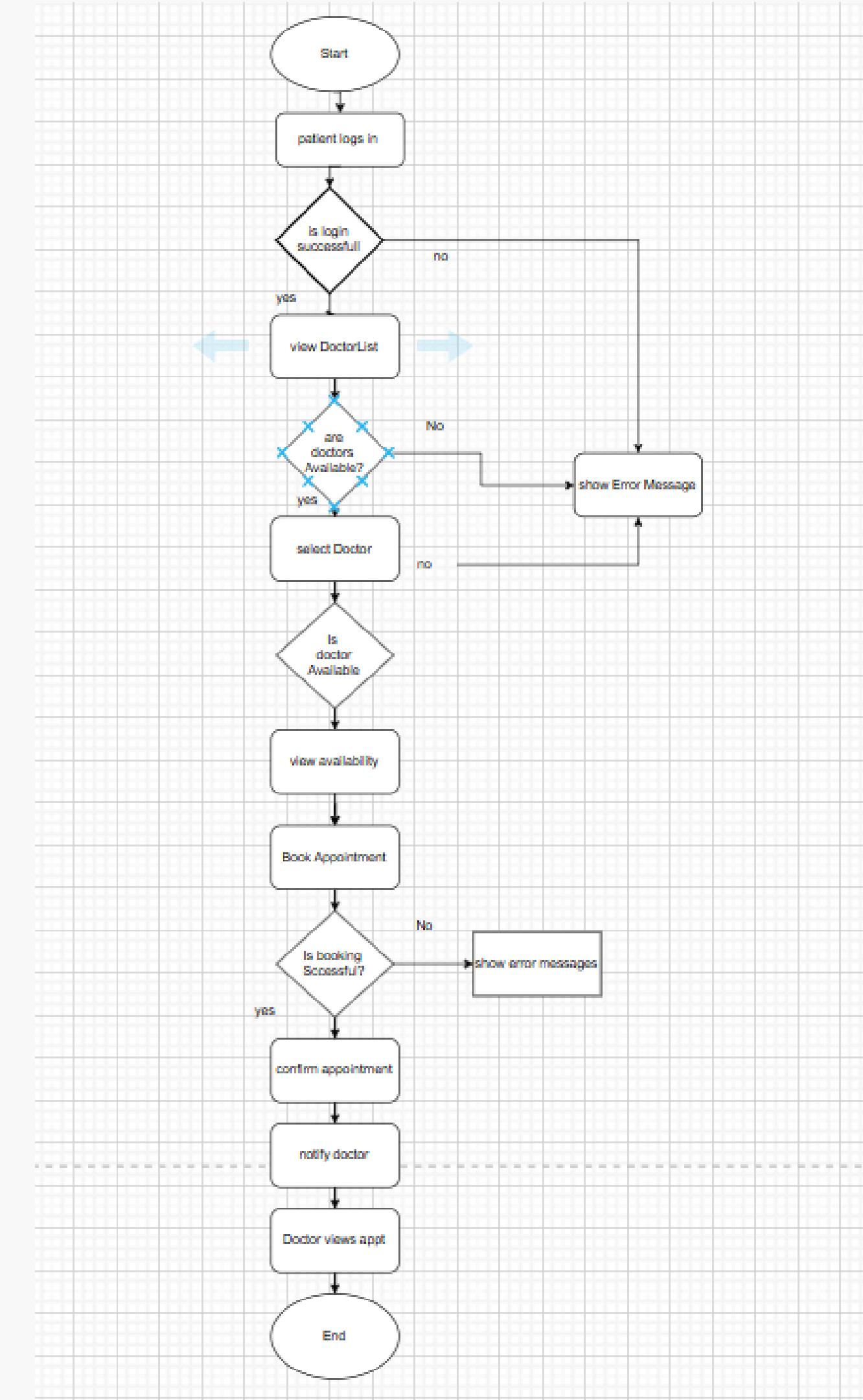
Use Case Diagrams



Class Diagrams



Activity Diagram



Landing Page

E-Doctor

Home Feedback List Login Registration

OUTPATIENT DOCTOR APPOINTMENT SYSTEM



A large dark blue arrow points from the left towards the center of the page, containing the text "OUTPATIENT DOCTOR APPOINTMENT SYSTEM".

Explore by our category



Find popular specialist doctors.



Book Appointment Online.



Profile Management.



Prescription Alerts.



User Authentication

User Registration:

Users can register by providing their details, validated and stored securely.

Email Verification:

Users confirm their email using a verification code (OTP).



Login:

Users authenticate via email and password, with a response based on validity.

Password Reset:

Users can reset their password.



Login Page

THREE DIFFERENT LOGINS WITH NEW REGISTRATION

Admin Login



[Go to Admin Login](#)

Doctor Login



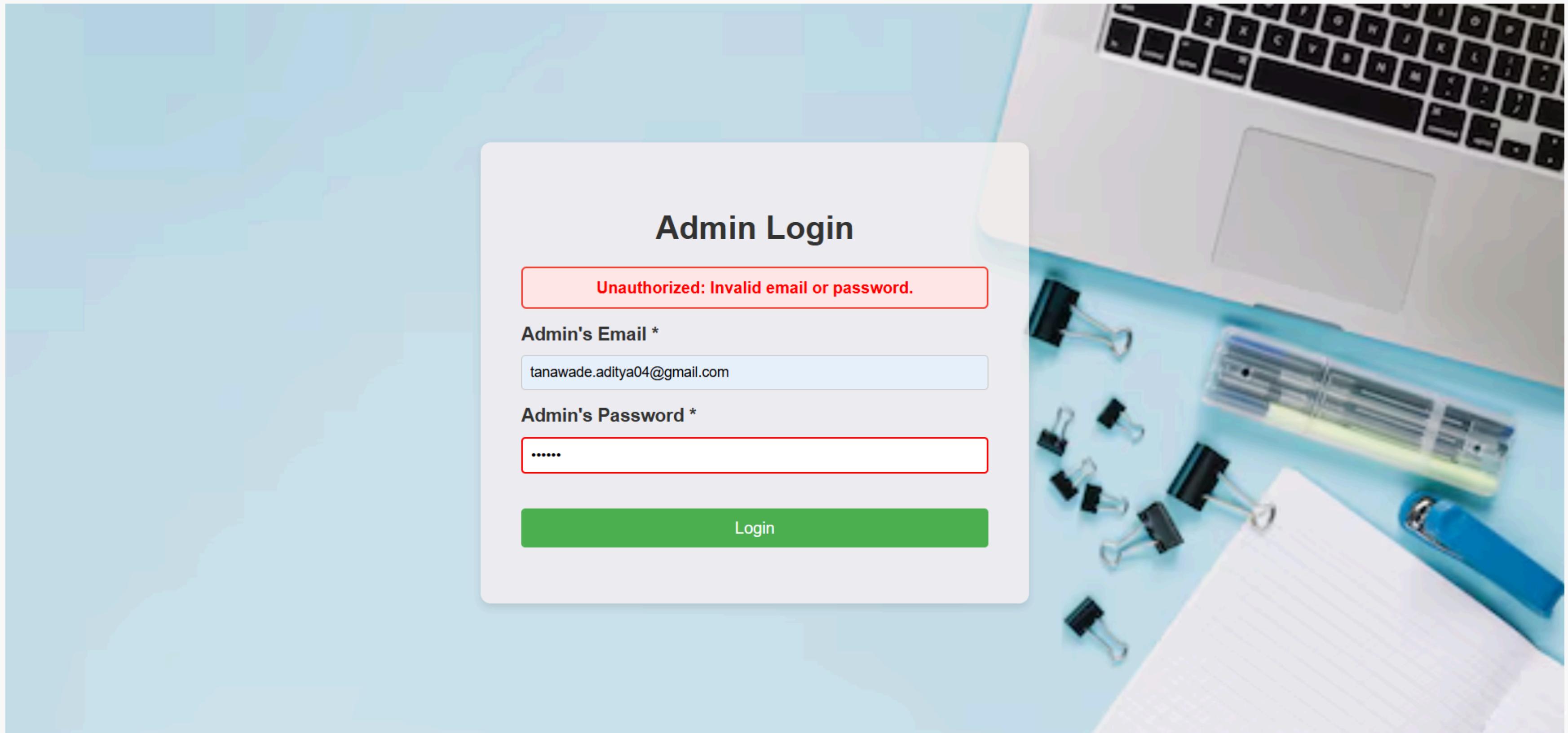
[Go to Doctor Login](#)

User Login

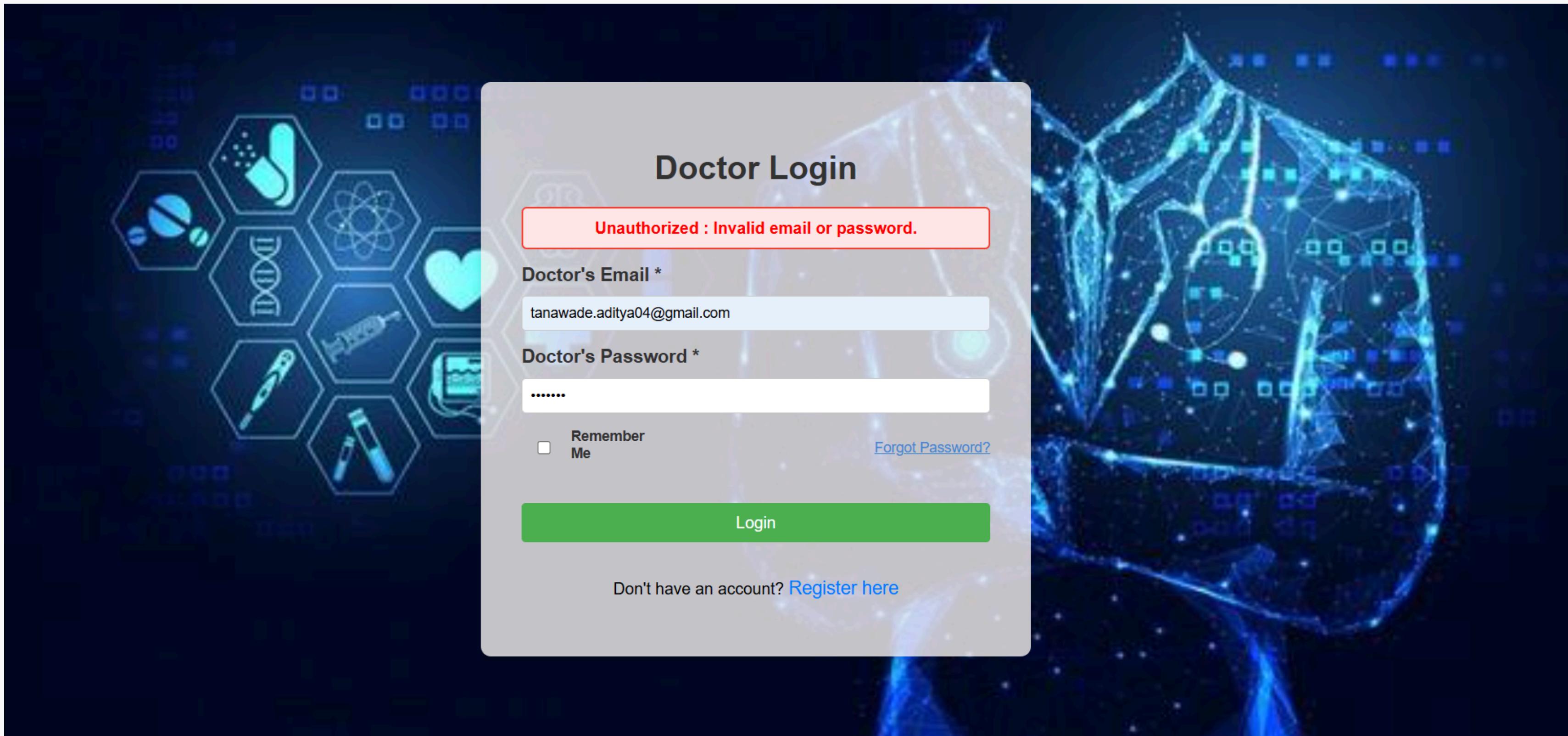


[Go to User Login](#)

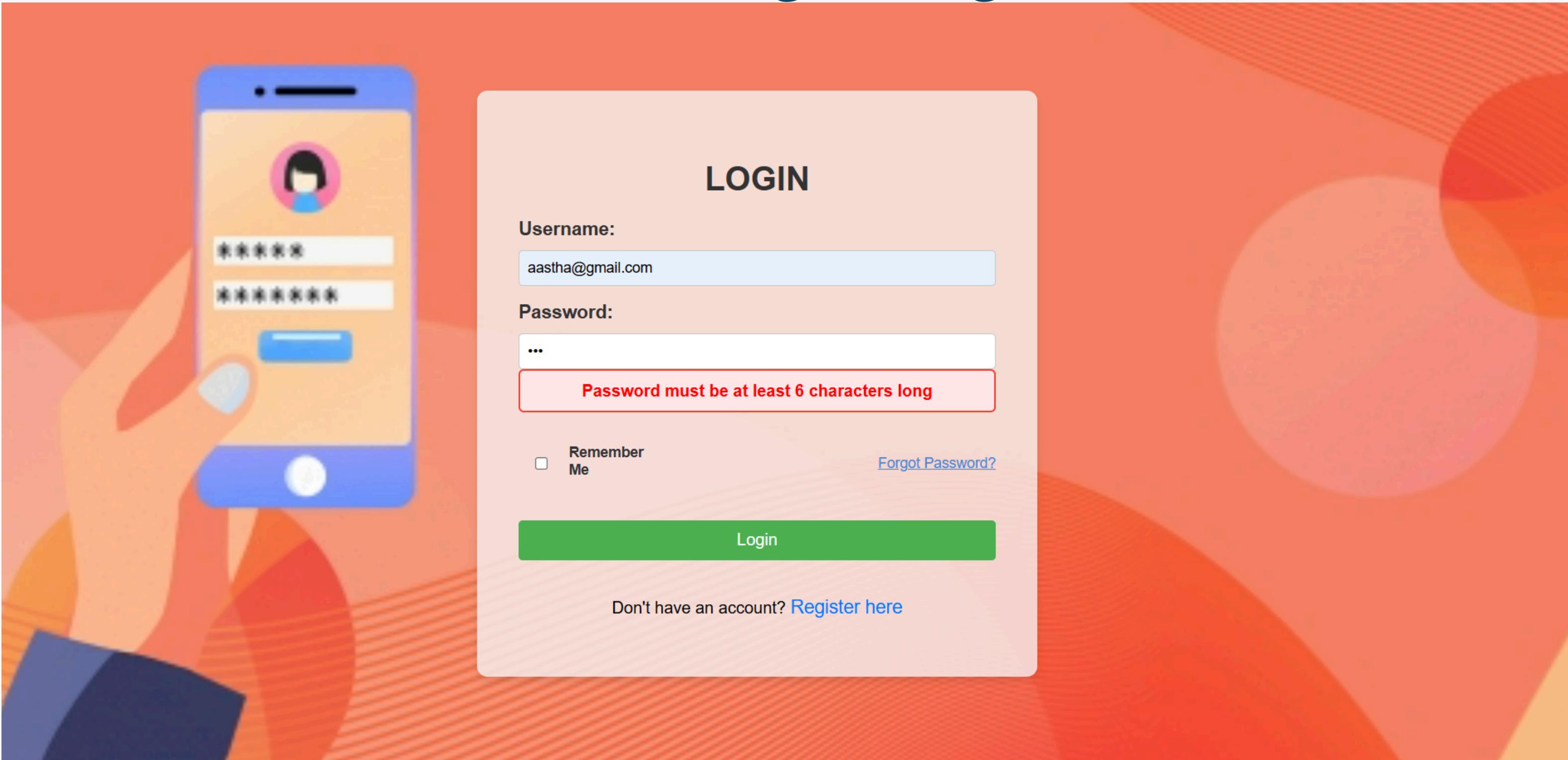
Admin Login Page



Doctor Login Page



User Login Page



Forgot-Password Page

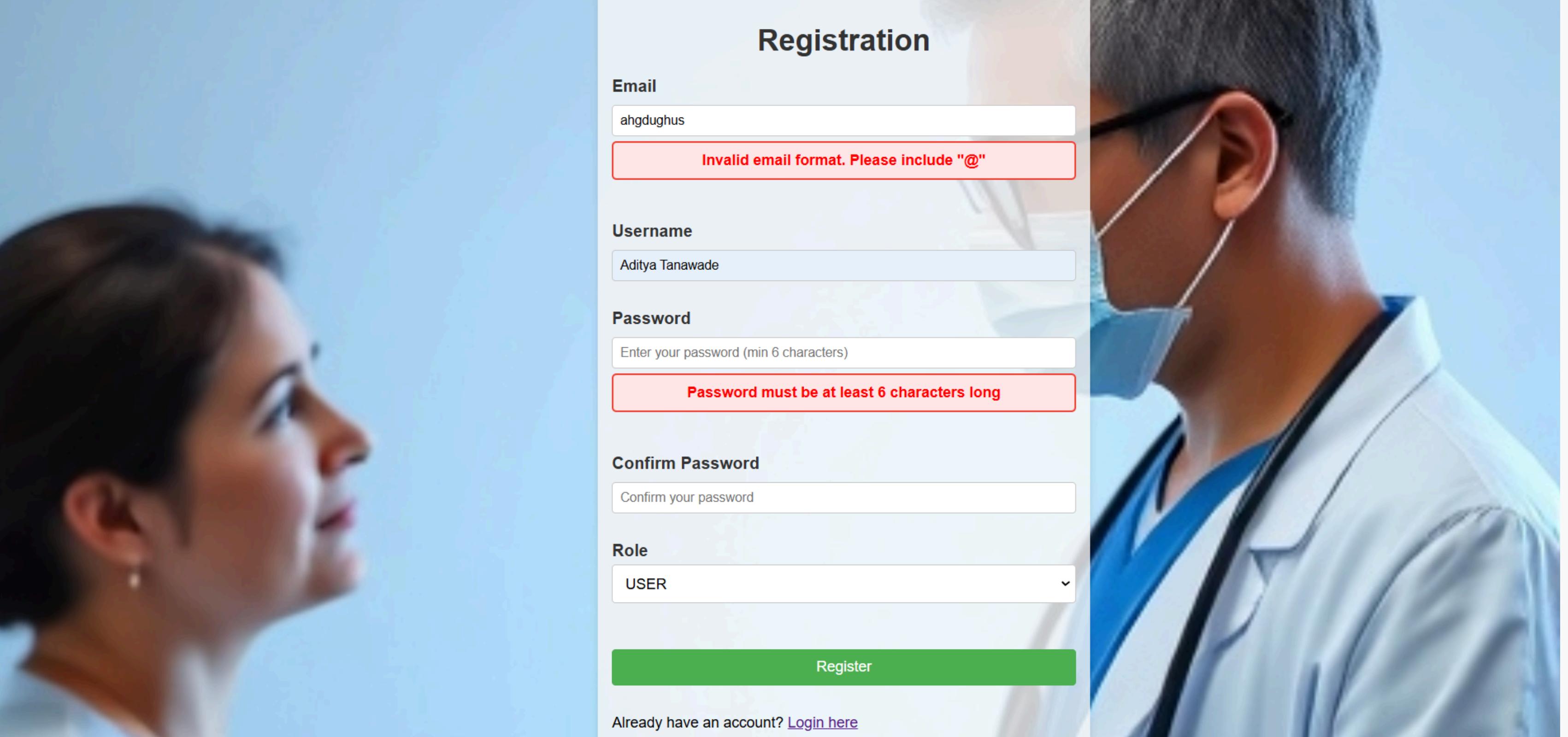
Forgot Password

Enter your email

Enter your email

[Send Email](#)

User Registration Page



Registration

Email

Invalid email format. Please include "@"

Username

Password

Enter your password (min 6 characters)

Password must be at least 6 characters long

Confirm Password

Confirm your password

Role

USER

Register

Already have an account? [Login here](#)



Patient

Profile Management:

View and update personal information.

Appointment Management:

View, manage, and track appointments with status updates.



Pay Fees:

Make payments securely online or opt for cash. Download Doctor's Advices directly from the dashboard.

Feedback:

Users can give Feedback Once Appointment is Completed.



User-Profile Page



Test Patient 1

Dashboard

Edit Profile

My Appointments

Doctors List

Home Welcome testpatient1@gmail.com 3 Logout

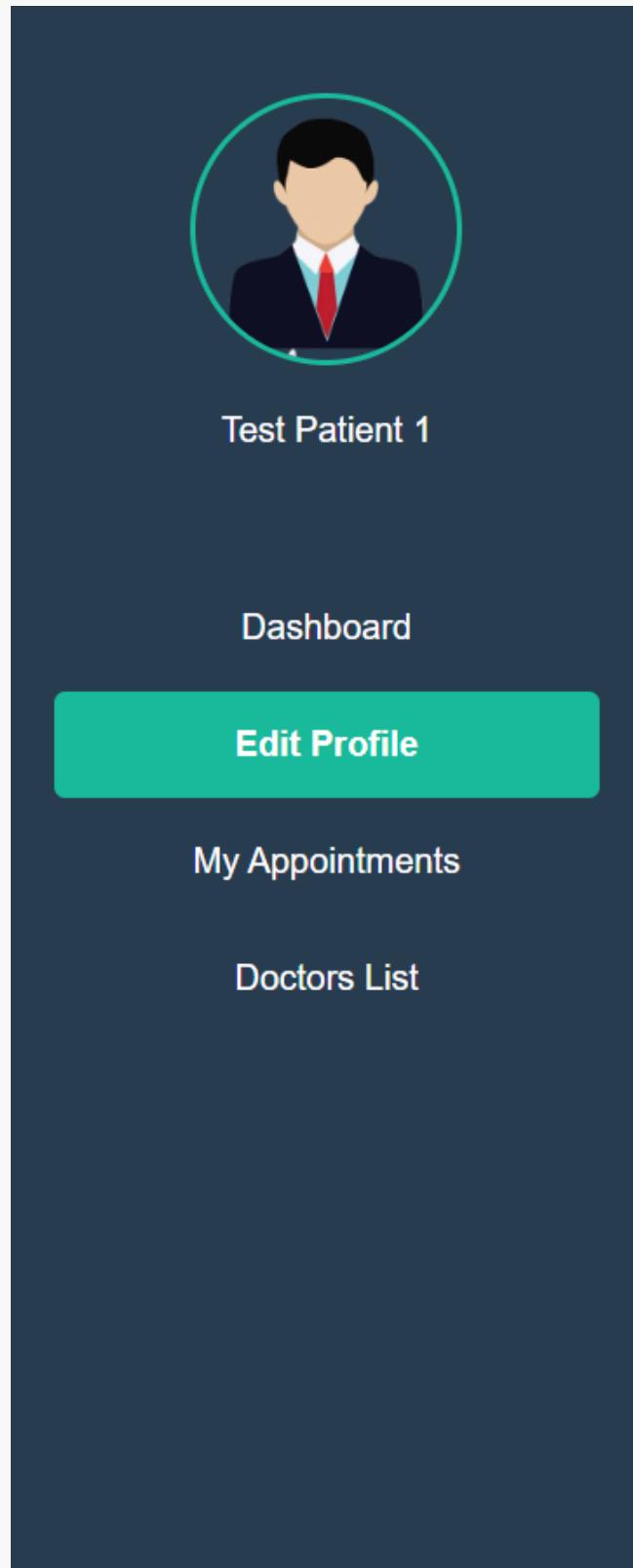
Pending Appointments 2

Completed Appointments 1

Prescriptions 1

Edit- Profile Page

Update Your Profile



Name:

Test Patient 1

Mobile Number:

1355659754

Blood Group:

B+

Gender:

Male

Age:

20

Address:

Mumbai

Save Changes

Doctor Details Page



Test Patient 1

Dashboard

Edit Profile

My Appointments

Doctors List

Home Welcome testpatient1@gmail.com  3 Logout



Test Doctor 5
Email: testdoctor5@gmail.com
Speciality: ENT Specialist
Location: Pune, Maharashtra
Mobile: +91 9123456789
Hospital: Ruby Hall Clinic, Pune
Charge per Visit: ₹1000
Doctor Available From: 2024-12-25
Doctor Available To: 2025-01-31
AM Slot: 10.00 To 12.00
PM Slot: 4.00 to 7.00

Create Appointment



Test Doctor 4
Email: testdoctor4@gmail.com
Speciality: Neurologist
Location: New Delhi
Mobile: +91 9856765432
Hospital: AIIMS, New Delhi
Charge per Visit: ₹2500
Doctor Available From: 2024-12-25
Doctor Available To: 2025-02-12
AM Slot: 10.00 To 12.00
PM Slot: 4.00 to 7.00

Create Appointment



Test Doctor 2
Email: testdoctor2@gmail.com
Speciality: Orthopedic Surgeon
Location: Ahmedabad, Gujarat
Mobile: +91 9987654321
Hospital: Apollo Hospital, Ahmedabad
Charge per Visit: ₹2000
Doctor Available From: 2024-12-25
Doctor Available To: 2025-12-10
AM Slot: 10.00 To 12.00
PM Slot: 4.00 to 7.00

Create Appointment

Appointment Page



Test Patient 1

Dashboard

Edit Profile

My Appointments

Doctors List

Home Welcome testpatient1@gmail.com 3  Logout

Create Appointment

Doctor Email:
testdoctor5@gmail.com

Appointment Date:
dd - mm - yyyy 

Reason:

Remarks:

Payment Mode:
Online Payment 

Book Appointment

View Appointments



Test Patient 1

[Dashboard](#)

[Edit Profile](#)

[My Appointments](#)

[Doctors List](#)

Home Welcome testpatient1@gmail.com  3 Logout

My Appointments

DOCTOR EMAIL	APPOINTMENT DATE	REASON	STATUS	PAYMENT MODE	ACTIONS
testdoctor4@gmail.com	2024-12-25	Stomache	PENDING	Online Pay	<button>Cancel</button>
testdoctor1@gmail.com	2024-12-30	Routine Check-up	PENDING	Online Pay	<button>Cancel</button>
testdoctor2@gmail.com	2024-12-25	Headache	COMPLETED	Cash	<button>Prescription</button> <button>Feedback</button>
testdoctor1@gmail.com	2025-12-25	Fever	ACCEPTED	Cash	<button>Cancel</button>
testdoctor2@gmail.com	2024-12-30	General CheckUp	REJECTED	Online Pay	<button>Cancel</button>

Doctor's Advice

Your Prescription

E-DOCTOR

Doctor Name: Dr. Test Doctor 2

Fees: 2000

Specialization: Orthopedic
Surgeon

Doctor Email:
testdoctor2@gmail.com

Patient Name: Test Patient 1

Patient Email: testpatient1@gmail.com

Patient Age: 20

Patient Gender: Male

Reason: Headache

Advice: Take medicines properly

Note: Follow the advice properly to ensure a speedy recovery.

Get Well Soon!

[Download as PDF](#)

Feedback From

Submit Your Feedback

Doctor's Name

Test Doctor 2

Patient's Name

Test Patient 1

Rating



Comment

Well Treatment

Submit Feedback



Doctor

Doctor Profile:

View and update personal information, speciality.

Manage Appointments:

View, accept, reject patient appointments.



Appointment Notifications:

Receive real-time updates for appointment requests, or cancellations.

Manage Availability:

Set working hours, specify time slots,



Doctor Dashboard



Test Doctor1

Dashboard

Edit Profile

Your Schedule

Approve Appointments

Accepted Appointments

Add Prescriptions

Home Welcome testdoctor1@gmail.com  Logout

Appointment Requests
2

Accepted Appointments
1

Completed Appointments
0

Edit-Profile Page



Test Doctor1

Dashboard

Edit Profile

Your Schedule

Approve Appointments

Accepted Appointments

Add Prescriptions

Home Welcome testdoctor1@gmail.com 2 Logout

Update Your Profile

Name:
Test Doctor1

Speciality:
Cardiologist

Location:
Mumbai, Maharashtra

Mobile Number:
9876543210

Hospital Name:
Fortis Hospital, Mumbai

Charge Per Visit:
1500

Save Changes

Doctor Edit Schedule



Test Doctor1

Dashboard

Edit Profile

Your Schedule

Approve Appointments

Accepted Appointments

Add Prescriptions

Home Welcome testdoctor1@gmail.com 2 Logout

Edit Schedule

From Date
25 - 12 - 2024 X

To Date
25 - 12 - 2025 X

AM Slot Timing
10.00 To 12.00 X

PM Slot Timing
4.00 to 7.00 X

Save Cancel

Doctor Availability



Test Doctor1

Dashboard

Edit Profile

Your Schedule

Approve Appointments

Accepted Appointments

Add Prescriptions

Home Welcome testdoctor1@gmail.com



Logout

Set Your Available Dates

From: 2024-12-25

To: 2025-12-25

AM Slot: 10.00 To 12.00

PM Slot: 4.00 to 7.00

Edit Schedule

Accepted Appointments



Test Doctor1

[Dashboard](#)

[Edit Profile](#)

[Your Schedule](#)

[Approve Appointments](#)

Accepted Appointments

[Add Prescriptions](#)

Home Welcome testdoctor1@gmail.com 2  Logout

Accepted Appointments

Patient Name	Email	Phone No	Age	Gender	Blood Group	Appointment Date	Reason	Remarks	Payment Mode	Actions
Test Patient 1	testpatient1@gmail.com	1355659754	20	Male	A+	2025-12-25	Fever	A temperature rise that could be a symptom of an infection or illness	Cash	Complete & Add Prescription

Prescription Page



Test Doctor1

- [Dashboard](#)
- [Edit Profile](#)
- [Your Schedule](#)
- [Approve Appointments](#)
- [Accepted Appointments](#)
- [Add Prescriptions](#)

Home Welcome testdoctor1@gmail.com 2 [Logout](#)

Add Prescription

Patient Name

Patient Email

Reason

Advice

Submit Prescription



Admin

Manage Patients:

- Add new patients by providing details like name, email, address.
 - Edit patient details to ensure the information is up-to-date.
 - Delete patients if no longer required in the system.
-



Manage Doctors:

- Add new doctors with relevant details like email and specialization.
 - Update existing doctor information.
 - Remove doctors from the system when necessary.
-



Admin Dashboard



admin@gmail.com

Dashboard

Patients

Doctors

Add Doctors

Manage Doctors

Add Patients

Manage Patients

Home Welcome admin@gmail.com Logout

Total Doctors
5

Total Patients
3

Update Patient Details



admin@gmail.com

Dashboard

Patients

Doctors

Add Doctors

Manage Doctors

Add Patients

Manage Patients

Home

Welcome admin@gmail.com

Logout

Patient List



Name: Test Patient 3
Email: testpatient3@gmail.com
Mobile: 6985687989
Blood Group: A+
Gender: Male
Age: 21
Address: Pune

Update Patient



Name: Test Patient 1
Email: testpatient1@gmail.com
Mobile: 1355659754
Blood Group: B+
Gender: Male
Age: 20
Address: Mumbai

Update Patient



Name: Test Patient 2
Email: testpatient2@gmail.com
Mobile: 8104867294
Blood Group: A+
Gender: Male
Age: 23
Address: Mumbai

Update Patient

Update Doctors Details



admin@gmail.com

Dashboard

Patients

Doctors

Add Doctors

Manage Doctors

Add Patients

Manage Patients

Home Welcome admin@gmail.com Logout

Doctor List



Name: Test Doctor 5
Email: testdoctor5@gmail.com
Speciality: ENT Specialist
Location: Pune, Maharashtra
Gender: Male
Mobile: +91 9123456789
Hospital: Ruby Hall Clinic, Pune
Charge per Visit: ₹1000

Update Doctor



Name: Test Doctor 4
Email: testdoctor4@gmail.com
Speciality: Neurologist
Location: New Delhi
Gender: Female
Mobile: +91 9856765432
Hospital: AIIMS, New Delhi
Charge per Visit: ₹2500

Update Doctor



Name: Test Doctor 2
Email: testdoctor2@gmail.com
Speciality: Orthopedic Surgeon
Location: Ahmedabad, Gujarat
Gender: Female
Mobile: +91 9987654321
Hospital: Apollo Hospital, Ahmedabad
Charge per Visit: ₹2000

Update Doctor

Add Doctor

Home Welcome admin@gmail.com Logout

Doctor's Email
Enter doctor's email

Doctor's Name
Enter doctor's name

Speciality
Enter speciality

Location
Enter location

Mobile Number
Enter mobile number

Hospital Name
Enter hospital name

Charged Per Visit
Enter charged per visit

Gender
Select Gender



admin@gmail.com

Dashboard

Patients

Doctors

Add Doctors

Manage Doctors

Add Patients

Manage Patients

Delete Doctor



admin@gmail.com

Dashboard

Patients

Doctors

Add Doctors

Manage Doctors

Add Patients

Manage Patients

Home Welcome admin@gmail.com Logout

Doctor List



Name: Test Doctor 5
Email: testdoctor5@gmail.com
Speciality: ENT Specialist
Location: Pune, Maharashtra
Gender: Male
Mobile: +91 9123456789
Hospital: Ruby Hall Clinic, Pune
Charge per Visit: ₹1000
Available From: 2024-12-25
Available To: 2025-01-31
AM Slot: 10.00 To 12.00
PM Slot: 4.00 to 7.00

Delete Doctor



Name: Test Doctor 4
Email: testdoctor4@gmail.com
Speciality: Neurologist
Location: New Delhi
Gender: Female
Mobile: +91 9856765432
Hospital: AIIMS, New Delhi
Charge per Visit: ₹2500
Available From: 2024-12-25
Available To: 2025-02-12
AM Slot: 10.00 To 12.00
PM Slot: 4.00 to 7.00

Delete Doctor



Name: Test Doctor1
Email: testdoctor1@gmail.com
Speciality: Cardiologist
Location: Mumbai, Maharashtra
Gender: Male
Mobile: 9876543210
Hospital: Fortis Hospital, Mumbai
Charge per Visit: ₹1500
Available From: 2024-12-25
Available To: 2025-12-25
AM Slot: 10.00 To 12.00
PM Slot: 4.00 to 7.00

Delete Doctor

Add Patient



admin@gmail.com

- [Dashboard](#)
- [Patients](#)
- [Doctors](#)
- [Add Doctors](#)
- [Manage Doctors](#)
- [Add Patients](#)
- [Manage Patients](#)

[Home](#) [Welcome admin@gmail.com](#) [Logout](#)

Patient's Email

Enter patient's email

Patient's Name

Enter patient's name

Mobile Number

Enter patient mobile number

Blood Group

Enter blood group

Gender

Select Gender

Age

Enter age

Address

Enter address

[Add Patient](#)

Delete Patient



admin@gmail.com

- Dashboard
- Patients
- Doctors
- Add Doctors
- Manage Doctors
- Add Patients
- Manage Patients**

Home Welcome admin@gmail.com Logout

Patient List



Name: Test Patient 3
Email: testpatient3@gmail.com
Mobile: 6985687989
Blood Group: A+
Gender: Male
Age: 21
Address: Pune

Delete Patient



Name: Test Patient 1
Email: testpatient1@gmail.com
Mobile: 1355659754
Blood Group: B+
Gender: Male
Age: 20
Address: Mumbai

Delete Patient



Name: Test Patient 2
Email: testpatient2@gmail.com
Mobile: 8104867294
Blood Group: A+
Gender: Male
Age: 23
Address: Mumbai

Delete Patient

Additional Functionality



Feedback List

Identifying Strengths and Weaknesses:
Feedback highlights areas of excellence and those that need improvement.



Notifications

Timely Updates: Notifications deliver real-time updates, keeping users informed about important events.



Payment

Ease of Access: Users can make payments anytime, from anywhere, without visiting a physical location.

Feedback List

User Feedback

Explore real experiences from our users. Your feedback is always welcome!

Feedback From Test Patient 1

Doctor: Test Doctor 2

Rating:



Comment:

Satisfactory

Like (3)

Notification



Test Patient 1

Dashboard

Edit Profile

My Appointments

Doctors List

Logout 2

Pending Appointments

2

Completed Appointments

1

Dear Test Patient 1, Your appointment with Doctor Email testdoctor2@gmail.com on 2024-12-25 has been successfully completed. Thank you!

Mark As Read

Dear Test Patient 1, Your appointment with Dr Email testdoctor1@gmail.com on 2025-12-25 has been accepted. Thank you!

Mark As Read



Payment Dashboard

← TEST MODE

Appointment Booking Fee
₹1,800.00

Pay with link

Or pay with card

Email

Card information

1234 1234 1234 1234	
MM / YY	CVC
135	

Cardholder name Full name on card

Country or region India

Securely save my information for 1-click checkout
Pay faster on this site and everywhere Link is accepted.

Pay

Conclusion



The **E-Doctor Application** demonstrates our ability to design and implement a comprehensive solution for streamlining outpatient appointment management. By integrating modern technologies like React, Spring Boot, and MySQL, we created a user-friendly platform catering to patients, doctors, and administrators.

This project not only enhanced our technical skills but also fostered teamwork, problem-solving, and innovation. We believe the application holds immense potential to improve efficiency in healthcare systems and deliver a seamless experience for all users.





Thank you

