



# **E-Doctor**

## **Outpatient Doctor Appointment System**

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**Team - 2**

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**Aditya Tanawade**

**Bhavna Sahu**

**Naga Lohitha Pandi**

**Neha Yampalla**

**Saanvi Sonker**

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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.

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# *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



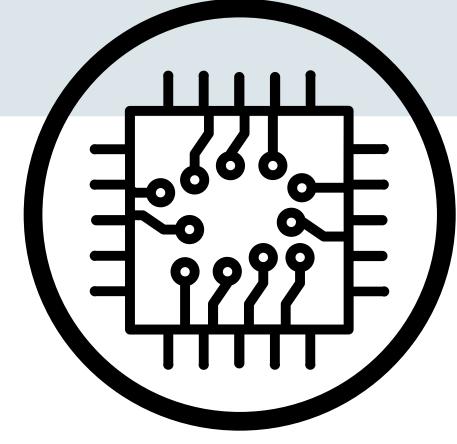
**Frontend:** React.js

**Backend:** Spring Boot, Maven

**Database:** MySQL , PostgreSQL

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

**OS:** Windows 10/11, macOS, or Linux



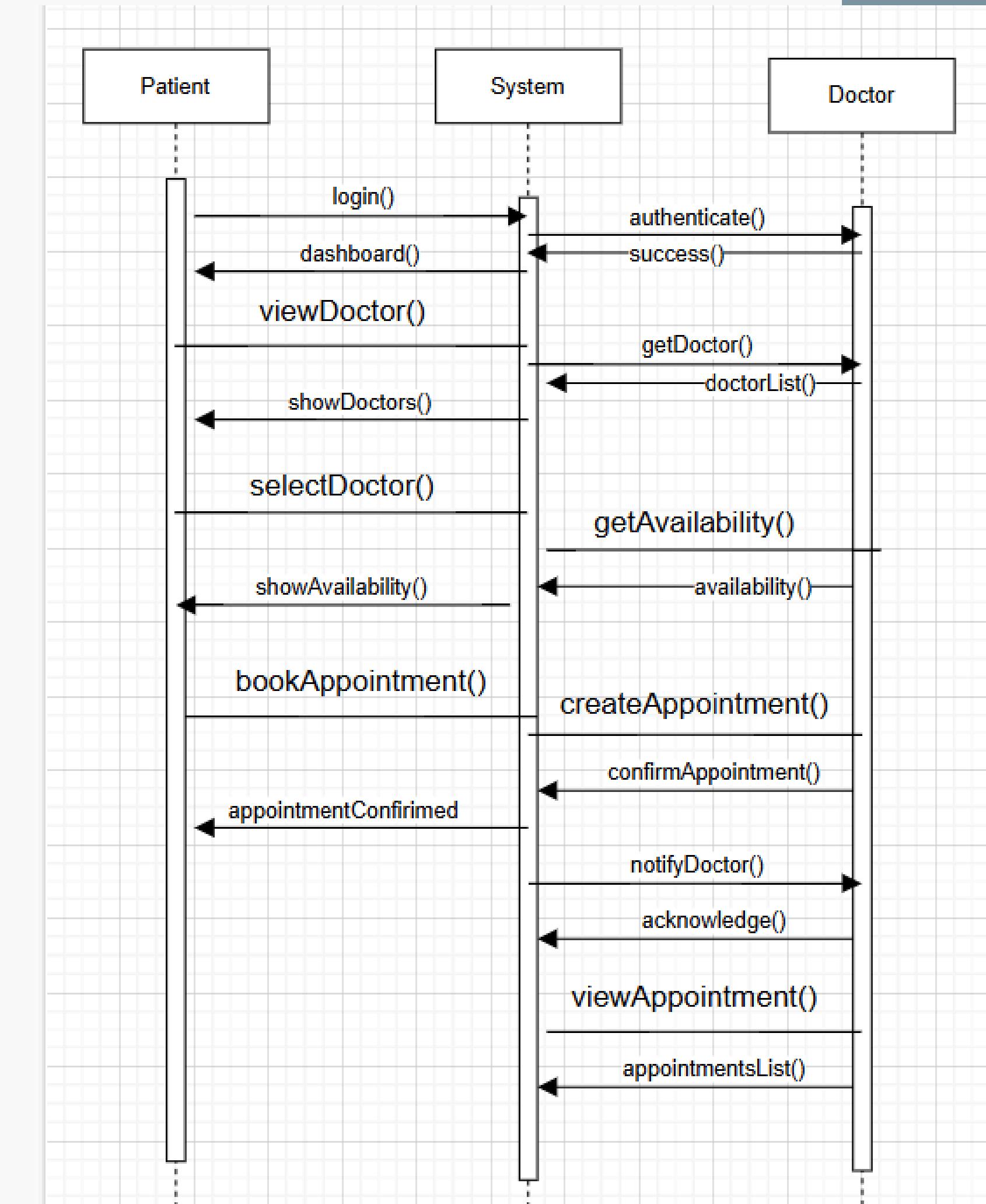
**Processor:** Intel i3+ / AMD equivalent

**RAM:** 8 GB (Recommended: 16 GB)

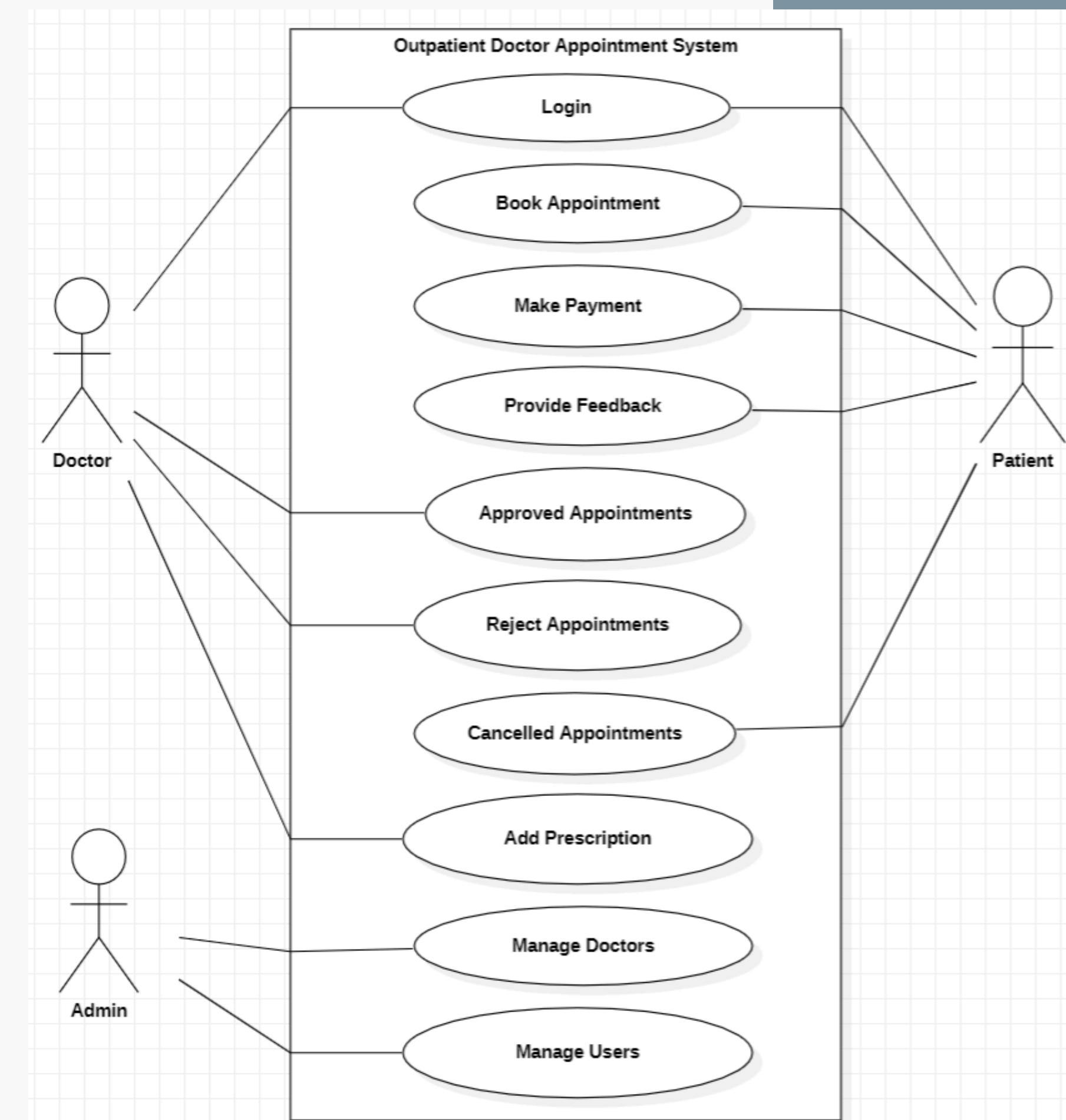
**Storage:** 256 GB SSD or 500 GB HDD  
(Recommended: 512 GB SSD)

**Internet:** Stable connection

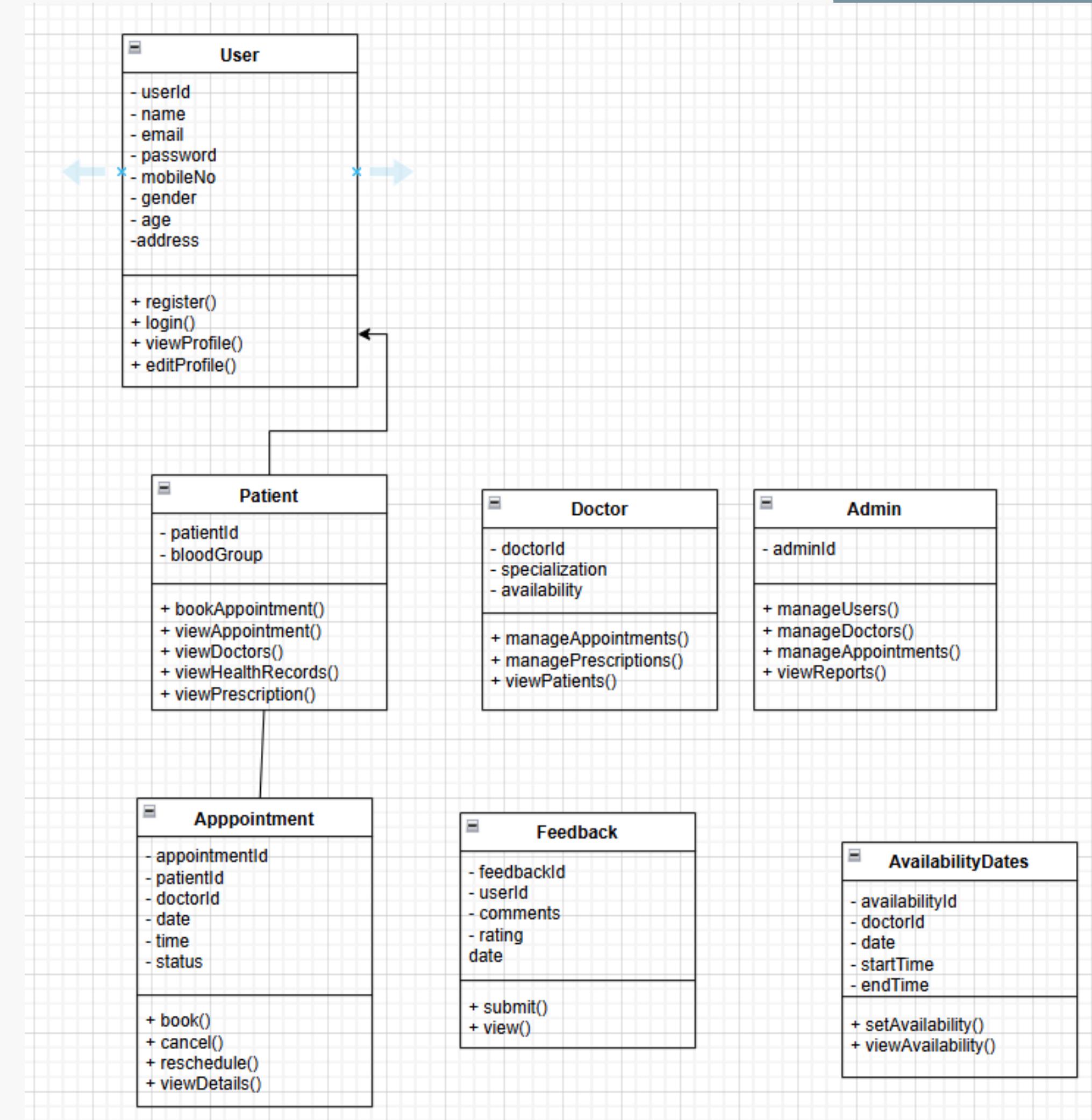
# Sequence Diagrams



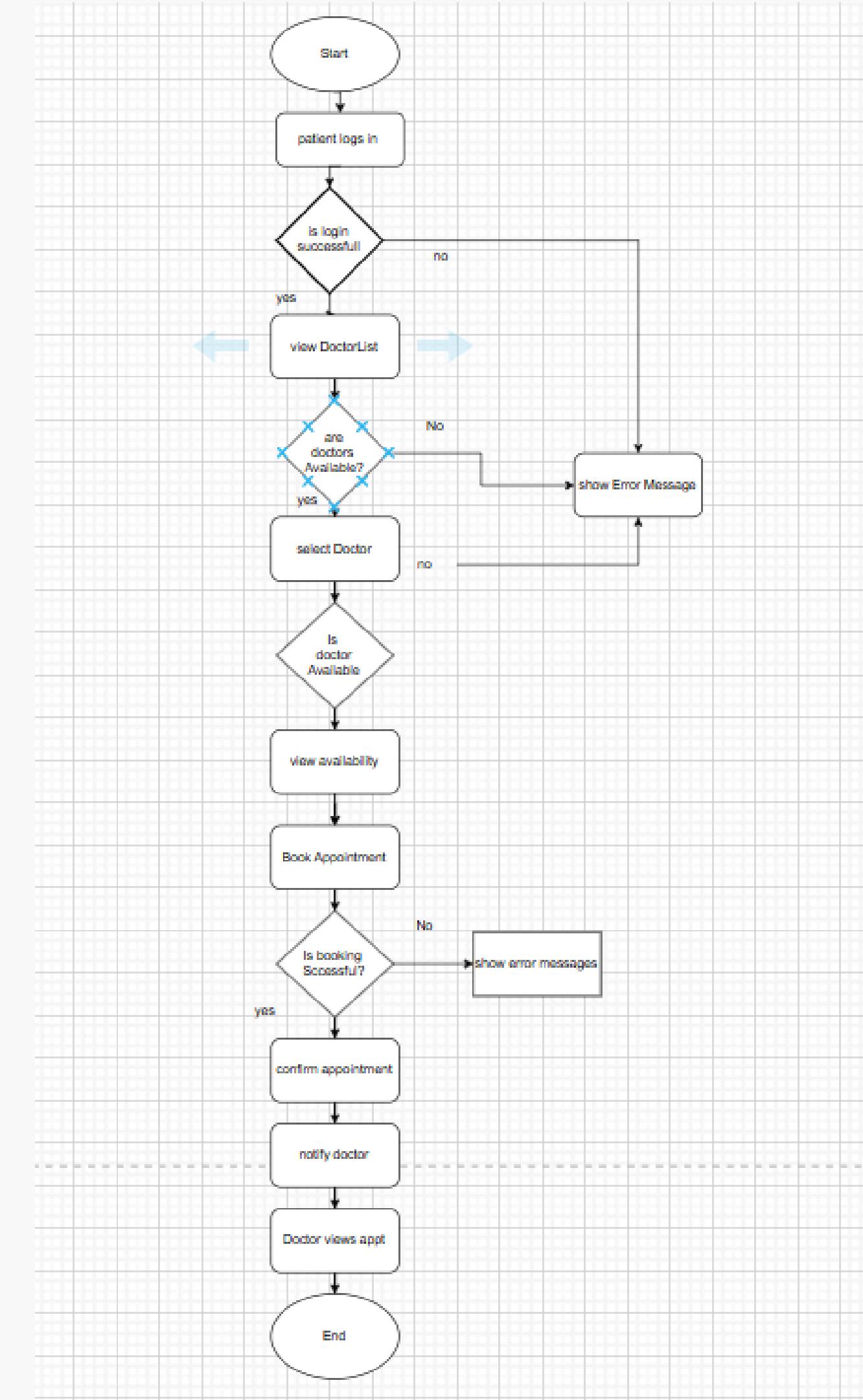
# Use Case Diagrams



# 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.

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## 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.

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# *Login Page*

**THREE DIFFERENT LOGINS WITH NEW REGISTRATION**

**Admin Login**



[Go to Admin Login](#)

**Doctor Login**



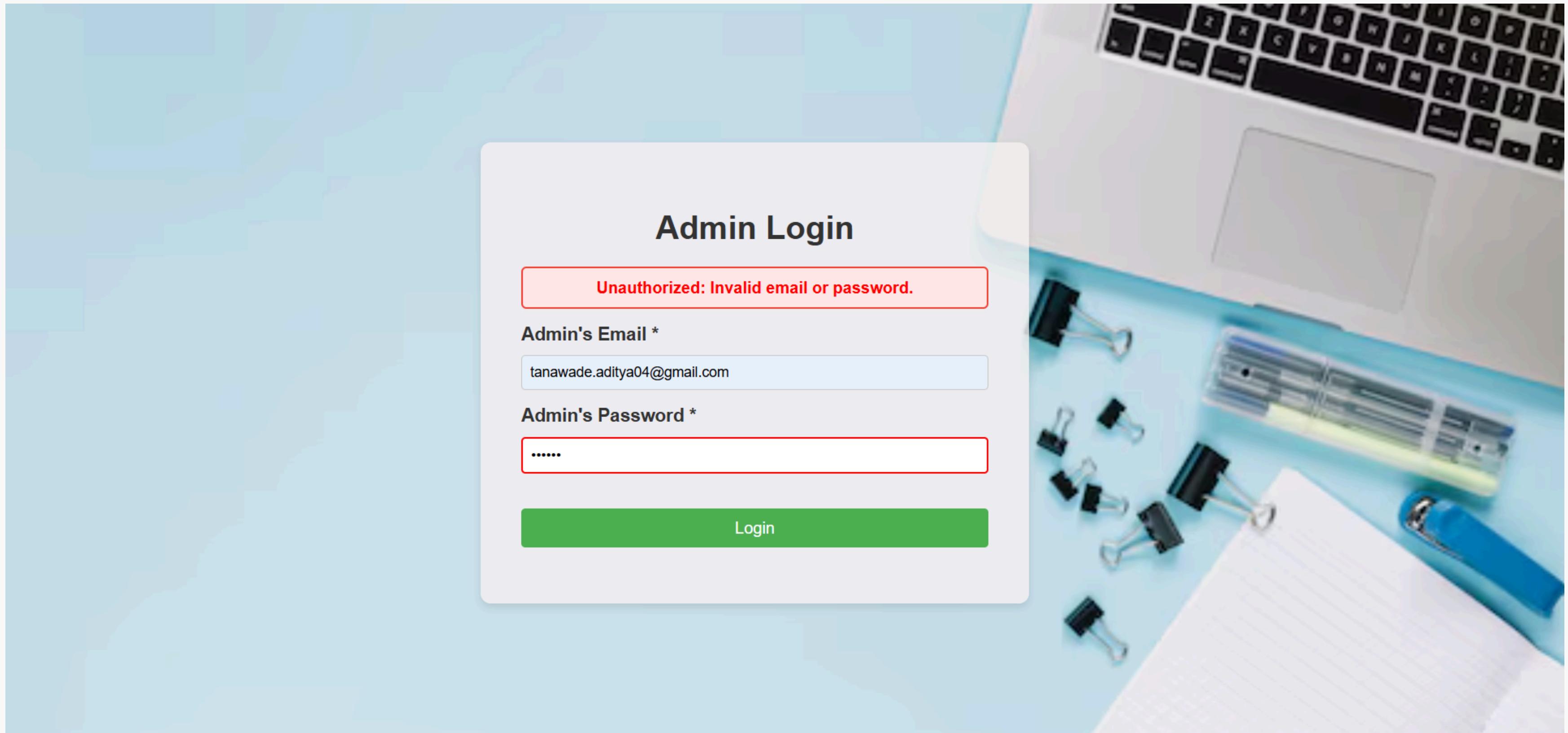
[Go to Doctor Login](#)

**User Login**

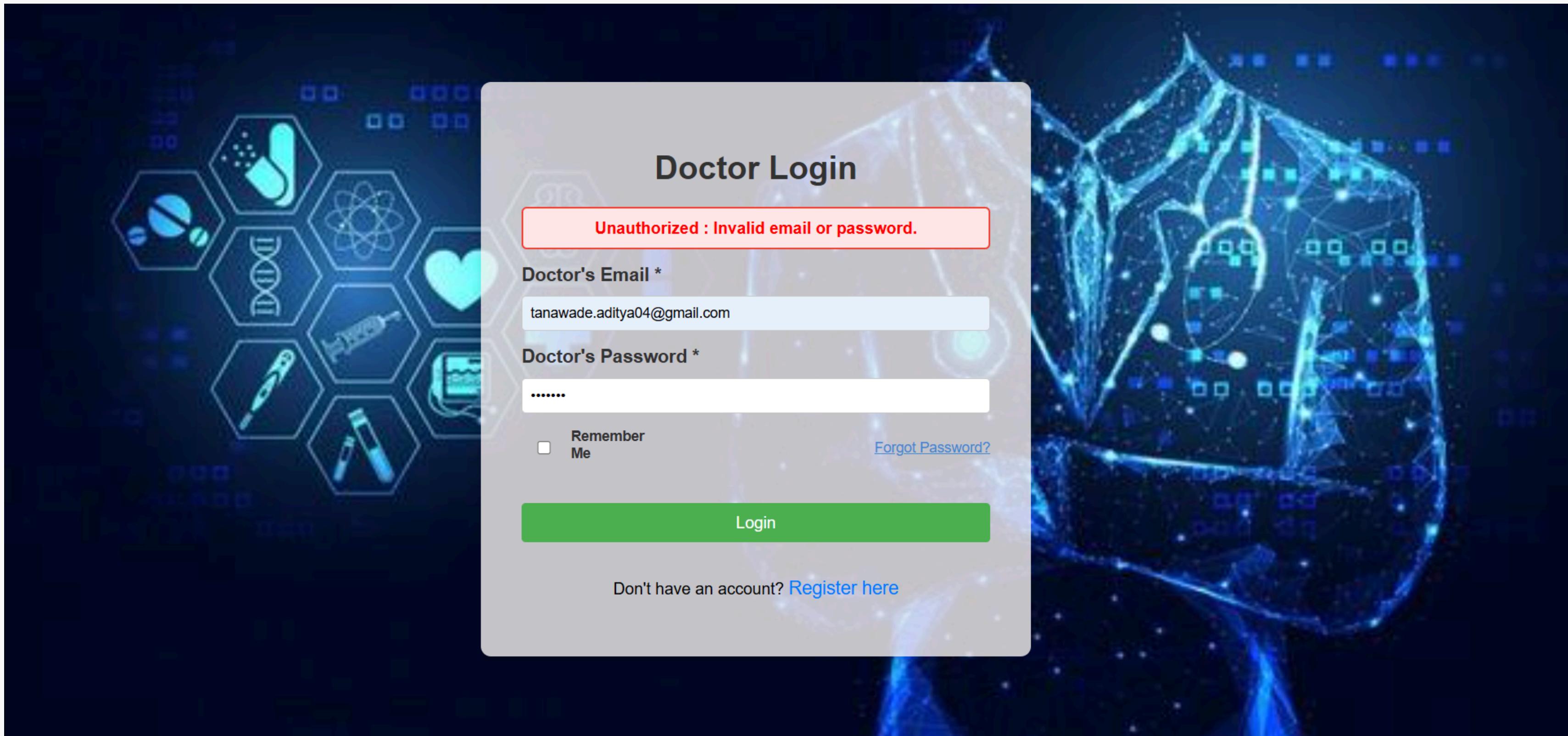


[Go to User Login](#)

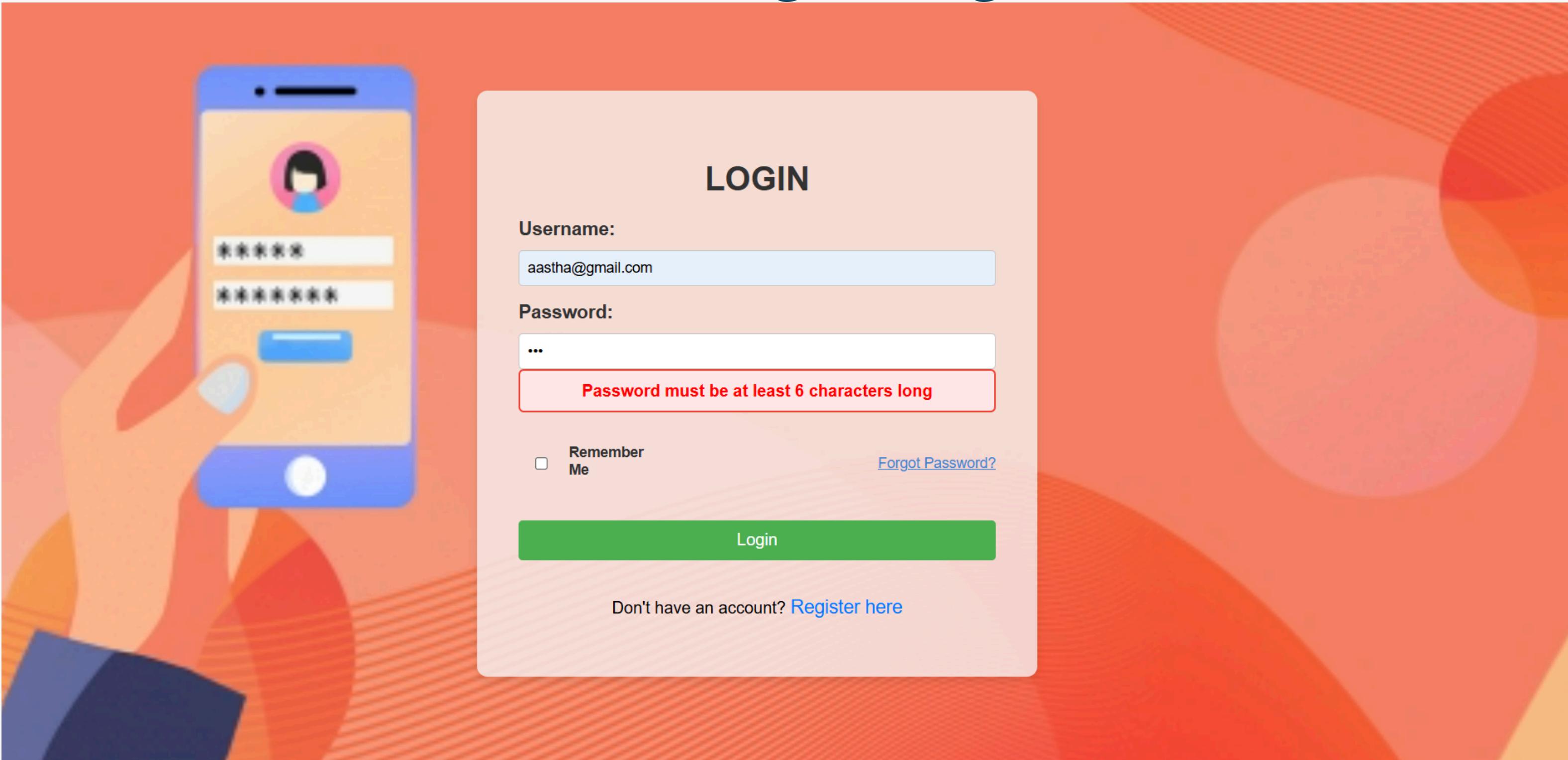
# Admin Login Page



# Doctor Login Page



# User Login Page



# *Forgot-Password Page*

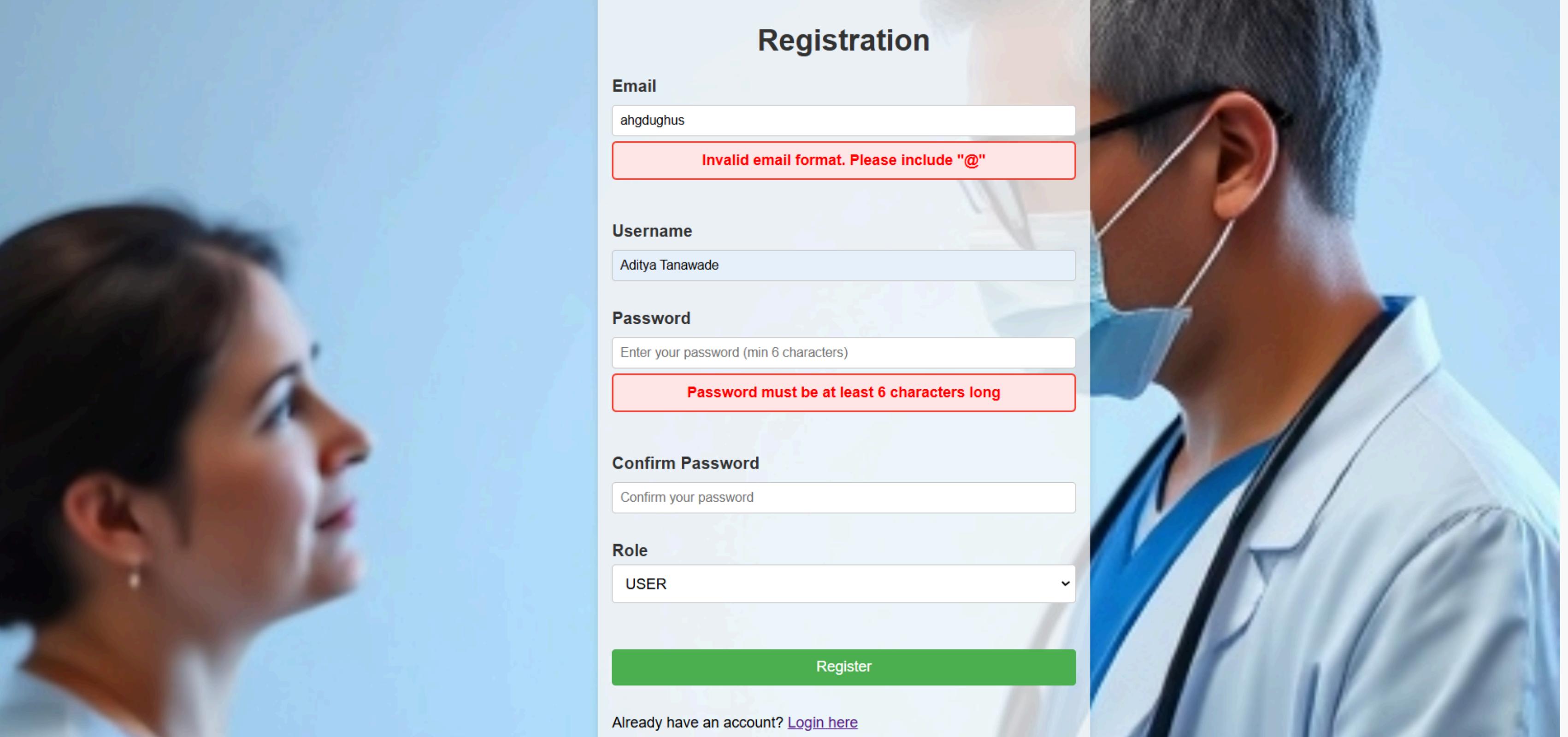
## Forgot Password

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

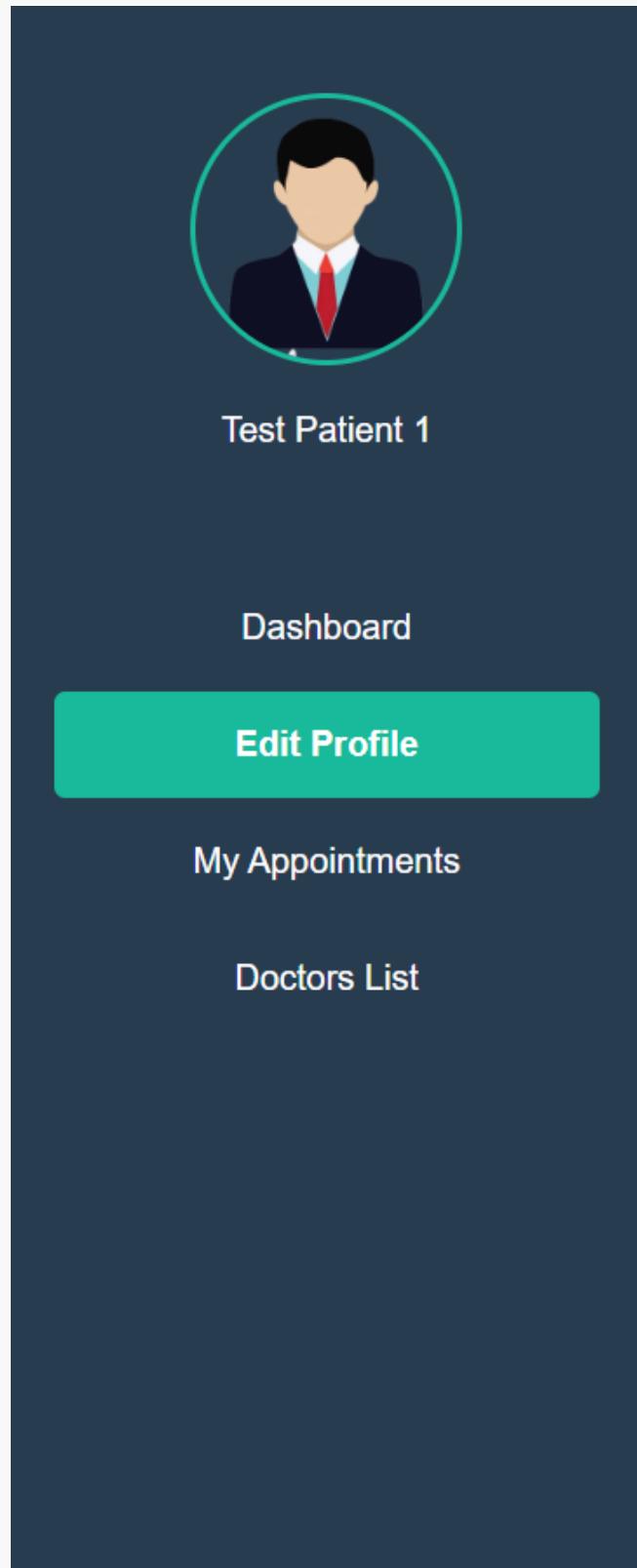
Pending Appointments   2

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.

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## **Appointment Notifications:**

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

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## **Manage Availability:**

Set working hours, specify time slots,

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# 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	<a href="#" style="background-color: #00c080; color: white; padding: 5px 10px;">Complete &amp; Add Prescription</a>

# 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

Cardholder name

Country or region

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*

