

# DOCTOR CONSULTANT APPLICATION

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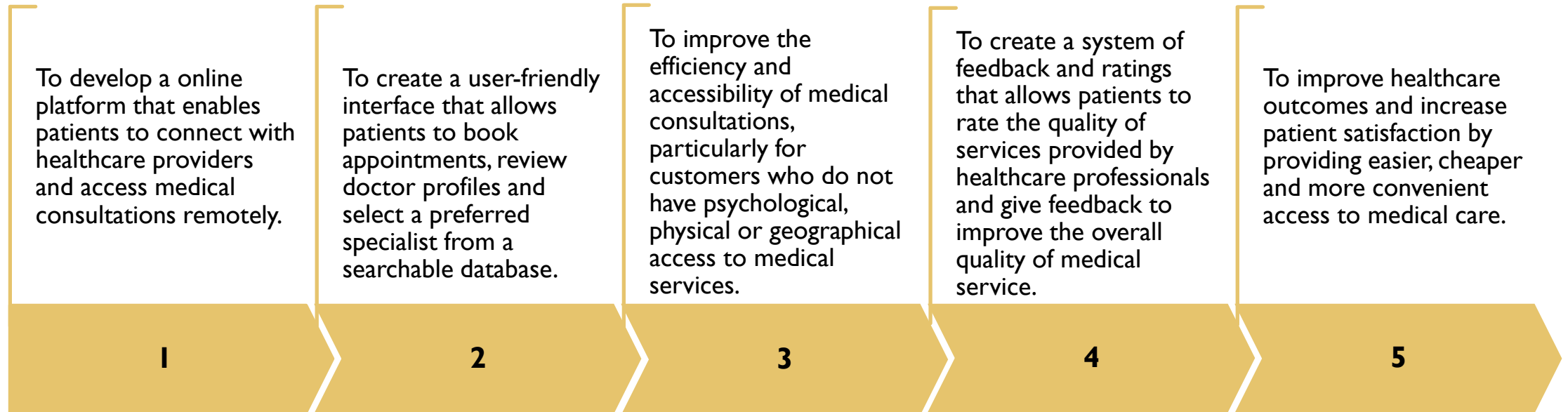


# INTRODUCTION

Healthcare and technology are two fields that have been rapidly growing and intersecting in recent years. This project is a new doctor consultation app that aims to provide patients with a convenient and accessible way to connect with doctors, book appointments, and receive medical advices.



## OBJECTIVES AND GOALS:



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## TECHNOLOGIES USED

- Front-end : Angular v 16 (HTML, CSS, TS)
- Angular Material
- Razorpay Test API (Payment)
- Back end : Spring boot 3.x
- Database : MongoDB v7.x

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## PROBLEM STATEMENT:

- ❑ The current healthcare system often involves long wait times, limited access to specialized medical professionals, and high healthcare costs. In order to address these challenges, there is a need for a new healthcare solution that can increase healthcare accessibility, improve the quality of care, and reduce the burden on patients and providers.
- ❑ A solution to this problem is to develop a Doctor Consultant Application that can connect patients with a wide range of medical professionals and enable remote consultations. However, developing such an application requires careful consideration of several key requirements to ensure that it is functional, secure, and user-friendly.
- ❑ Therefore, the development of a Doctor Consultant Application that meets these requirements has the potential to revolutionize the healthcare industry and provide patients with greater access to the care they need, while also reducing healthcare costs and improving patient outcomes.

# FEATURES IMPLEMENTED

**User Registration:** Patients and doctors can create an account by providing details such as name, phone number, and email address.

**User Login:**

Registered users can log into their accounts securely using an email and password.

**Doctor Registration:** Doctors can register themselves by supplying their professional information such as medical registration number, area of specialization, qualifications and experience.

**Doctor Login :**Registered doctors can log into their accounts using their email and password for accessing their account

**User Interface**

- Patients can view the different doctors available and check their availability.
- Patients can view doctor profiles, locations, ratings, and reviews.
- Patients can search for doctors based on different criteria like specialization, location, rating, etc.

**Feedback Mechanism**

Patients can provide feedback by rating the services provided by doctors. This will increase the accountability of the doctors and maintain the reputation of the app.

**Payment Integration**

There can be seamless integration of payment options such as debit/credit cards, internet banking and digital wallets for the transaction of payment.

**Communication Channels**

Patients can communicate with doctors via chat and call using mobile no. This will help patients to discuss their concerns and queries with doctors before and after the appointment.

**Appointment Booking**


- Patients can select a date and time from available slots to book an appointment.
- Patients can schedule appointments with doctors based on date, available time slots.

# USER INTERFACE

## USER LOGIN AND REGISTRATION

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**DOCTOR CONSULTATION**

Home Login Register 👤 For Doctors

### Patient Login

**UserName**

**Password**

Login

New User? [Register](#)

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### Patient Register

**Username**

**Email**

**Patient Name**


**Phone number**

**Password**

**Confirm Password**

Register

[Existing User?](#) [Login](#)







# USER INTERFACE

## DOCTOR LOGIN AND REGISTRATION

localhost:4200/doctorlogin

Chubb Links Chubb Help Desk -... Concur NA Expens... All Bookmarks

 Home Login Register  For Doctors

### Doctor Login

**UserName**  
Enter UserName

**Password**  
Enter password

Login

New User? [Register](#)

localhost:4200/doctorRegister

Chubb Links Chubb Help Desk -... Concur NA Expens... All Bookmarks

### Doctor Register

**Username**  
Enter username

**Email**  
Enter email

**Doctor Name**  
Enter patientName


**Phone number**  
Enter phoneNo

**Password**  
Enter password

**Confirm Password**  
Enter confirm password

**Hospital Name**  
Enter Hospital

**Profile Pic**





# USER INTERFACE

## USER DASHBOARD

localhost:4200/userDashboard/a9d70ae0

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Home Login Register For Doctors

Profile


Get all doctors


My Appointment Bookings

Notifictaions

Logout

Search

 **Dr. Raghendra Choudhary**  
Cardiology  
Qualifitions:MBBS,MD,DM(Cardiology),  
Expience: 10  
Consultation fee : 300  
[View Profile](#)

 **Dr.M.L.Kothari**  
pediatrician  
Qualifitions:  
Expience: 20  
Consultation fee : 500

localhost:4200/userDashboard/a9d70ae0/userprofile

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Home Login Register For Doctors

**User Profile**


Profile

Get all doctors



My Appointment Bookings

Notifictaions

Logout

 **Pavani**

Information

Email  Phone 

pavani@gmail .com 7182910263

# USER INTERFACE

## USER DASHBOARD

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localhost:4200/userDashboard/a9d70ae0/patientbookings

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CONSULTATION

My Appointment Schedule

Profile

Get all doctors

My Appointment Bookings

Notifictaions

Logout

Booking Date	Booking Time Slot	Doctor Details	Appointment Status
2023-11-18T00:00:00.000+00:00	3:15 PM	<div>Doctor name :- Dr. Raghvendra Choudhary</div> <div>Doctor Mail :- ragava2@gmail.com</div> <div>Doctor Mobile No :- 7654321890</div> <div>Consultation fee :- 300</div> <div>Doctor Speciality :- Cardiology</div>	

 Pending || 2023-11-13T00:00:00.000+00:00 | 6:00 PM | Doctor name :- Dr.Abinav  Doctor Mail :- abhinav@gmail.com  Doctor Mobile No :- 8769107890  Consultation fee :- 500  Doctor Speciality :- ent |

 Approved || 2023-12-21T00:00:00.000+00:00 | 12:45 PM | Doctor name :- Dr.M.L.Kothari  Doctor Mail :- kothari@gmail.com  Doctor Mobile No :- 7837216390  Consultation fee :- 500  Doctor Speciality :- pediatrician |

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localhost:4200/viewDoctor/7daea317

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DOCTOR CONSULTATION

HomeLoginRegisterFor Doctors

Select a time slot to book an appointment

Dr. Raghvendra Choudhary

Cardiology

Qualifications:MBBS,MD,DM(Cardiology),

10 Years

Choose a date11/23/2023

Morning

Afternoon

Evening

12:00 PM

12:15 PM

12:30 PM

12:45 PM

2:30 PM

2:45 PM

3:00 PM

3:15 PM

3:30 PM

3:45 PM

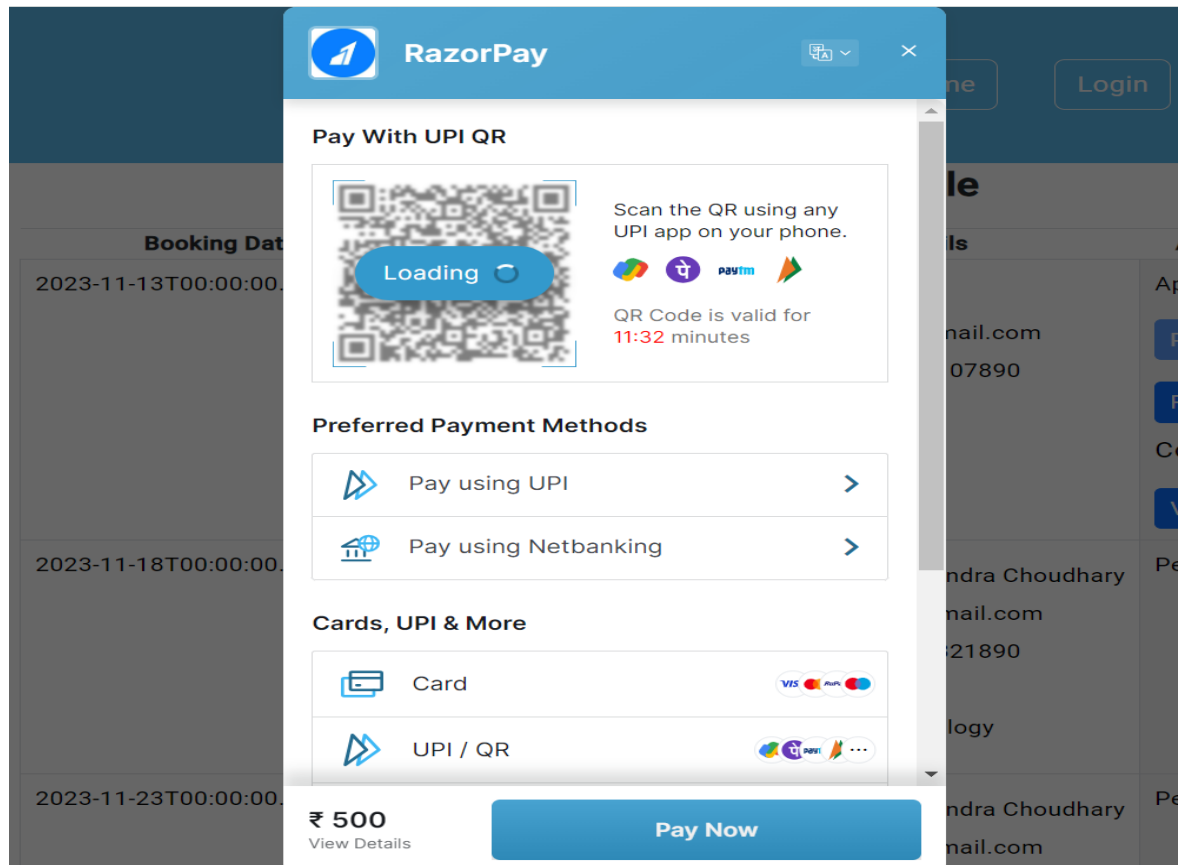
4:00 PM

Cancel


save

# USER INTERFACE

## USER DASHBOARD



## My Appointment Schedule

Doctor Details	Appointment Status
<p><b>Doctor name :-</b> Dr.Abinav</p> <p><b>Doctor Mail :-</b> abhinav@gmail.com</p> <p><b>Doctor Mobile No :-</b> 8769107890</p> <p><b>Consultation fee :-</b> 500</p> <p><b>Doctor Speciality :-</b> ent</p>	<p>Approved</p> <p><a href="#">Proceed to Payment!</a></p> <p>Rating: <input type="text" value="Select rating"/></p> <p>Review: <input type="text"/></p> <p><a href="#">Submit</a></p> <p>Connect with doctor</p> <p><a href="#">Via chat</a> <a href="#">Webex</a></p>
<p><b>Doctor name :-</b> Dr. Raghvendra Choudhary</p> <p><b>Doctor Mail :-</b> ragava2@gmail.com</p> <p><b>Doctor Mobile No :-</b> 7654321000</p>	<p>Pending</p> <p></p>

# USER INTERFACE

## DOCTOR DASHBOARD

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localhost:4200/doctordashboard/bdb12150

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Profile

Appointment Schedule

My Ratings and reviews

Logout



Profile Settings

Name

Dr.Abinav

Surname

surname

Mobile Number

8769107890

Address Line 1

enter address line 1

Address Line 2

enter address line 2

Postcode

enter address line 2

State

enter address line 2

Area

enter address line 2

Email ID

abhinav@gmail.com

Qualification

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localhost:4200/doctordashboard/bdb12150/bookings

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Home

Login

Register



For Doctors

Profile

Appointment Schedule

My Ratings and reviews

Logout

My Appointment Schedule

Booking Date	Booking Time Slot	Patient name	Patient Mail	Patient Mobile No	Status
2023-11-25T00:00:00.000+00:00	12:30 PM	Tharun	tharun3@gmail.com	7865346560	<div>confirm</div> <div>cancel</div> <div>Appointment Confirmed!</div>
2023-11-13T00:00:00.000+00:00	6:00 PM	Pavani	pavani@gmail.com	7182910263	<div>confirm</div> <div>cancel</div> <div>Appointment Confirmed!</div>
2024-01-23T00:00:00.000+00:00	12:30 PM	Tharun	tharun3@gmail.com	7865346560	<div>confirm</div> <div>cancel</div>

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Sign up to book appointment

Email address

Subscribe

# USER INTERFACE

## DOCTOR DASHBOARD




DOCTOR CONSULTATION

Home

Login

Register



For Doctors

Profile







Appointment Schedule

My Ratings and reviews

Logout

### My Ratings and Reviews

Ratings	Reviews
4	I cannot say enough good things about Dr Abhinav. He is an excellent doctor. I feel lucky to have them as my doctor.



Sign up to book appointment

Subscribe

Email address

Say goodbye to long waiting times at a clinic and book a virtual appointment with our doctor consultant app! Get timely medical advice from experienced physicians in the comfort of your own home. Download our app now and put your family's health first.



## CHALLENGES FACED:

- Developing a Doctor Consultant Application involves complex technical, regulatory and ethical considerations, including compliance with data privacy laws like HIPAA and GDPR.
- There could be challenges faced in integrating doctors with different specializations, locations, and availability in a single platform.
- There may be technical issues related to compatibility of the app with different devices, and ensuring the app works smoothly on different operating systems.

## FUTURE SCOPE:

- Implementation of push notifications for doctors and patients, as a way of reminding them of upcoming appointments or any changes in appointments.
- Integration of automated reminders for patients to carry out follow-up treatments, medication timings, and other important health-related guidelines.
- Implementation of location-based services for patients to search for nearby clinics or hospitals based on the current location.

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THANK YOU

