

careConnect

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INTRODUCTION

careConnect - a platform aimed to improve communication and booking for medical appointments through chat-based functionality; and provide an interface from start to end during the assistance.



01

Communication & Planning



Some Important Interview Questions

How long would it take for one visit to the doctor? Would you choose not to go to hospital because you do not have enough time due to work or study?

Do you have the experience of waiting for doctors for a long time in hospital?



How would you make an appointment with the doctor? By email? By phone? Do you contact the doctor directly or contact the hospital?

How do you keep your medical records? Do you use printed versions? Do you often lose your medical records?

Interview Analysis

- The duration of a visit (1-5 hour) is long
- waste extra time waiting for their doctors.
- they won't visit a hospital if they don't have enough time.

the interviewees showed a positive attitude towards electronic medical record and online prescription



Identify Business Needs



Online Consultation

During the pandemic, there are increasing needs of online consultation with doctors.

People who live a fast-paced life want to spend less time on seeing a doctor.



Electronic Medical Record

Convenient to check doctor notes and can keep for long period



Find a Medical Center and doctor

Find a medical center that has doctors available in certain departments



Main Functionalities

Filter for finding a medical center

Search by distance, services, rating, and price. Choose the medical center in an easy and direct way.

Making an appointment with doctor

For the medical center, there is a list of doctors, check available times slots and book an appointment with a click

Electronic Medical Record

Easy and stable access to appointment Details, Doctor's notes, E-prescription, Tests Detail

Online Chat

Start the conversation with doctor at anywhere, more accessible than go to hospital in-person, but more trustworthy than online search



02

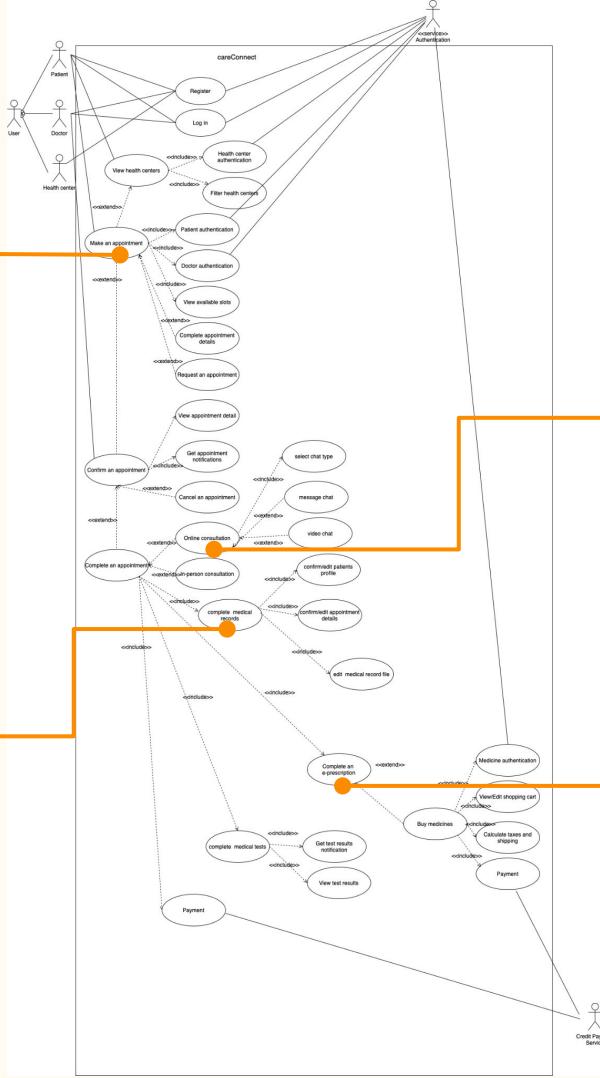
Modeling

Make an Appointment

Online Consultation

Edit Medical Records

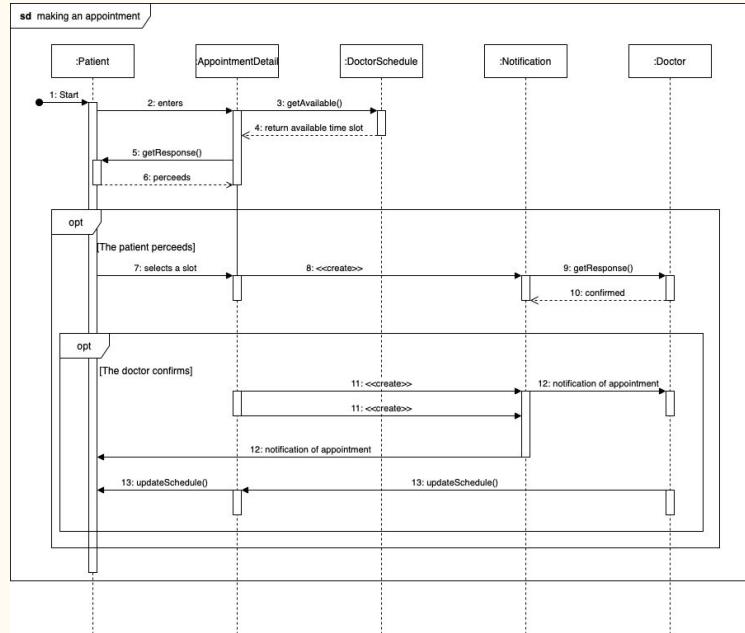
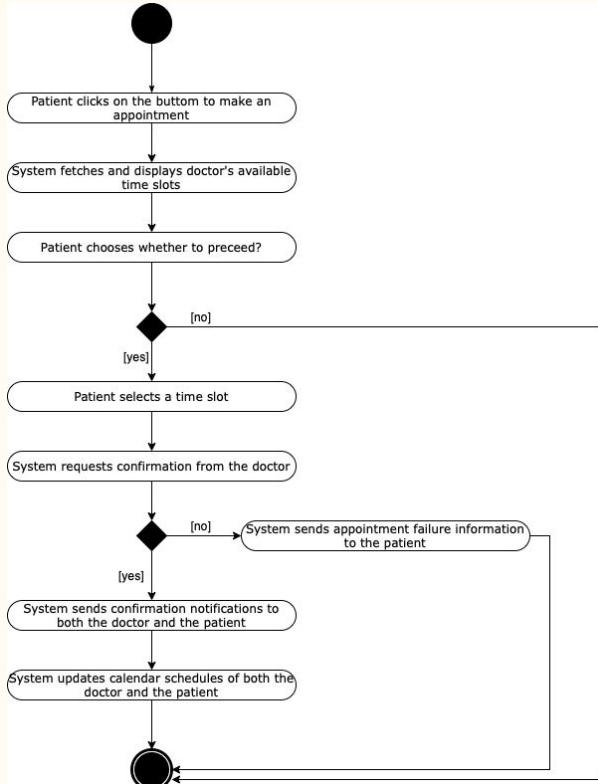
Create an E-prescription



Make an Appointment

PRIORITY	high
PRIMARY BUSINESS ACTOR	patients
OTHER PARTICIPATING ACTORS	doctors
OTHER INTERESTED STAKEHOLDERS	administrators, medical centers

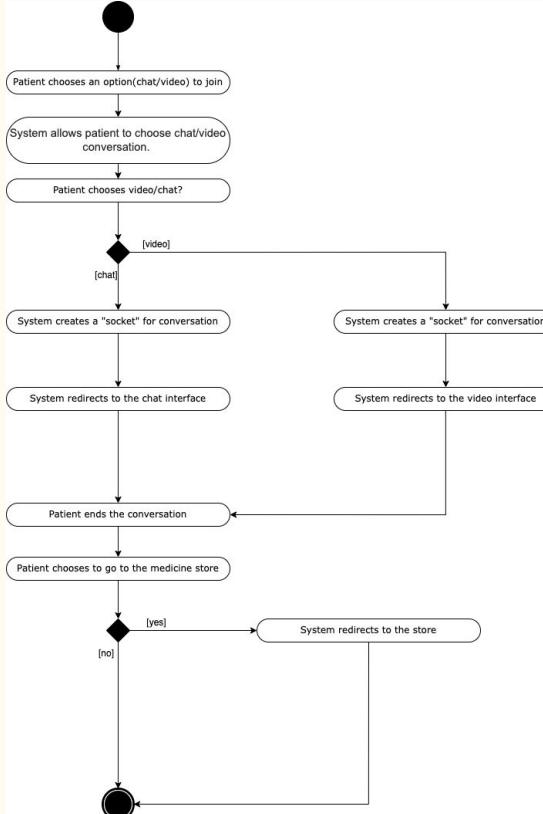
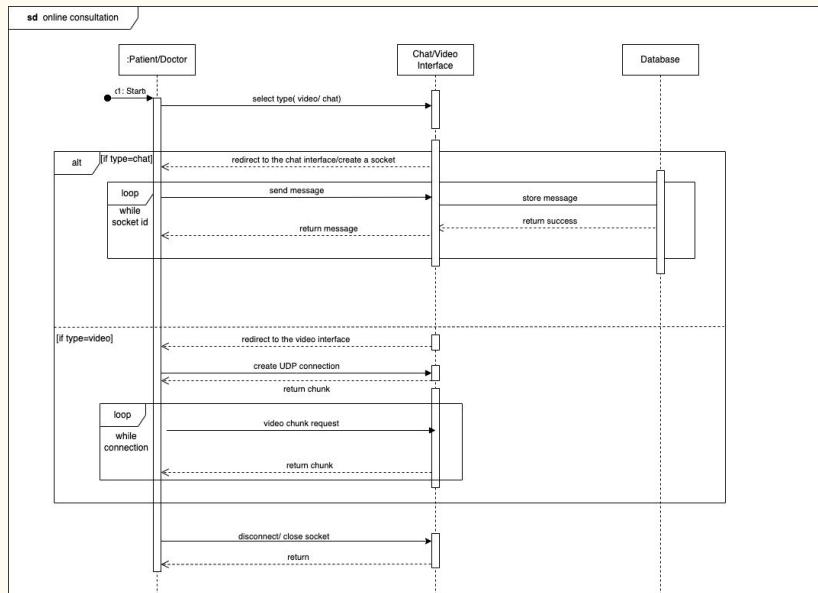




Online Consultation

PRIORITY	high
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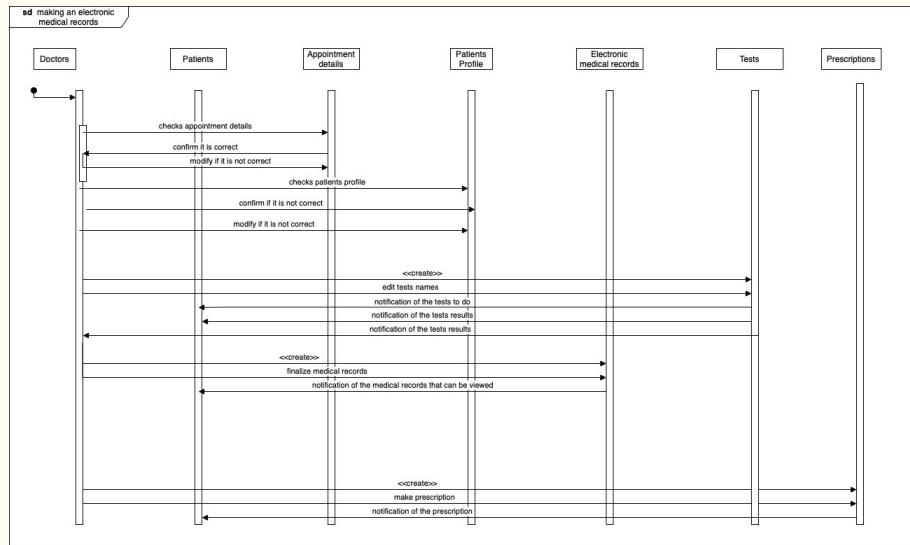
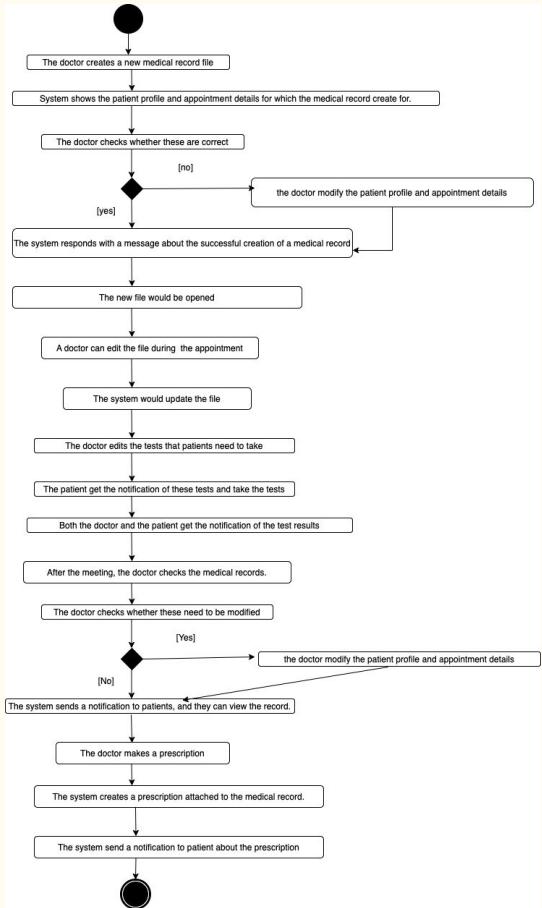




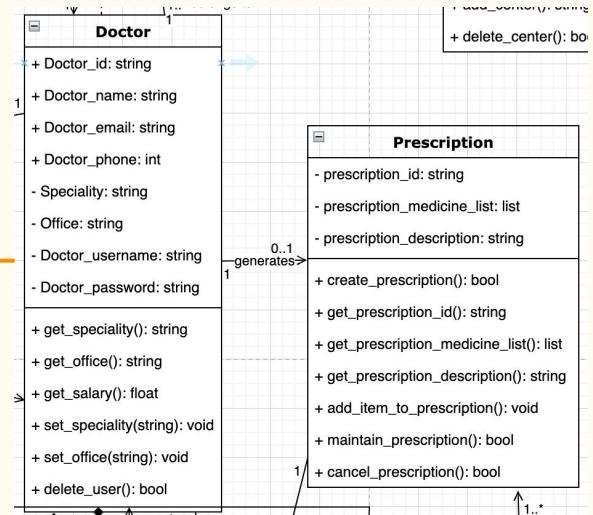
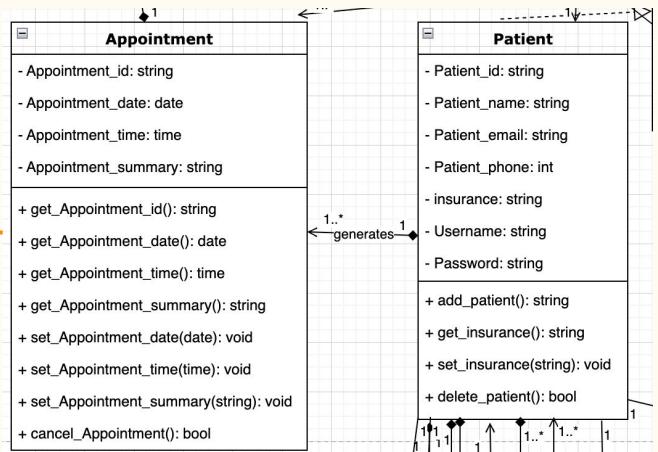
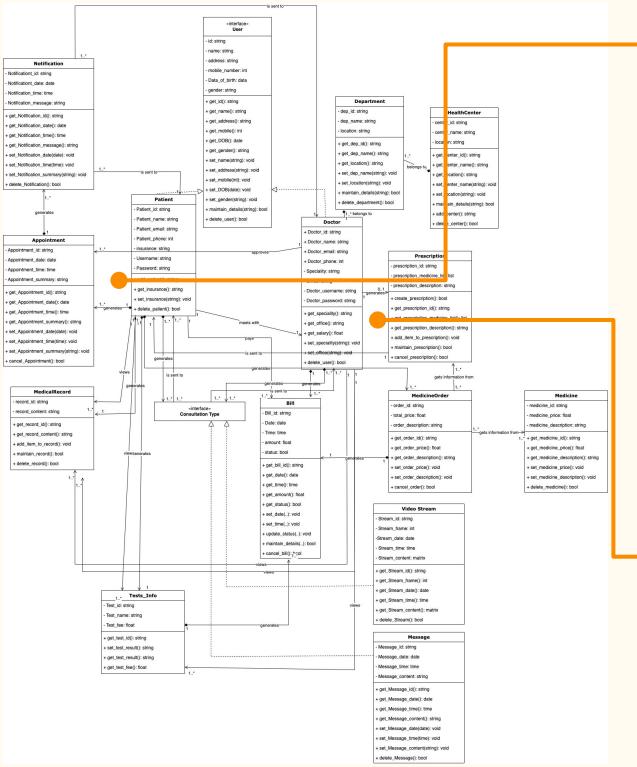
Make an Electronic Medical Record

PRIORITY	high
PRIMARY BUSINESS ACTOR	doctors
OTHER PARTICIPATING ACTORS	patients
OTHER INTERESTED STAKEHOLDERS	administrators

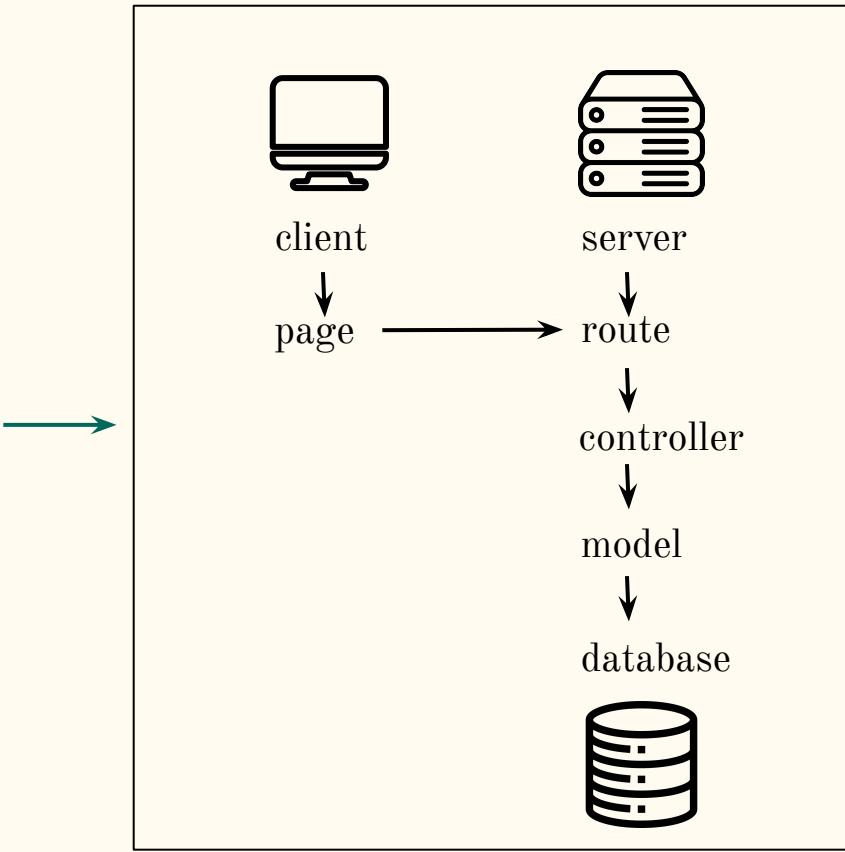
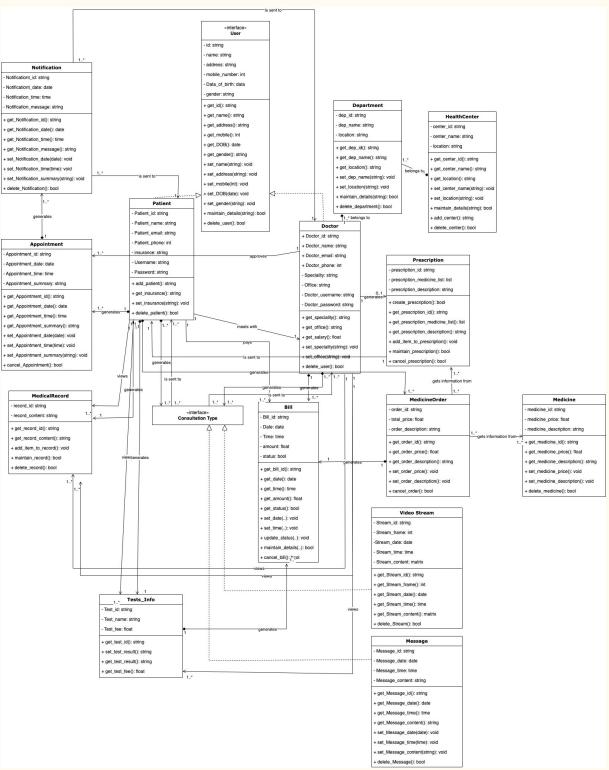




Class Diagram



Class Diagram



03

Construction

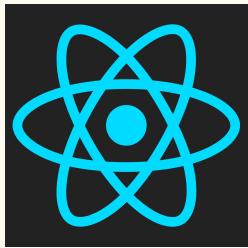


Process

1. Identify Tech Stack
2. Design drafts
3. Implementation
4. Testing
5. Debugging

Tech Stack

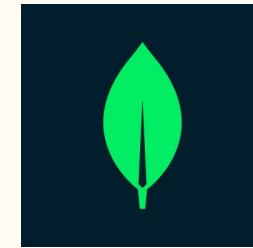
React



Express



MongoDB



CSS



MaterialUI



Design drafts

Registration / Log in

careConnect

You are a ... ?

Patient Doctor Health Center

Register Log In



careConnect

Register Account

Full Name 

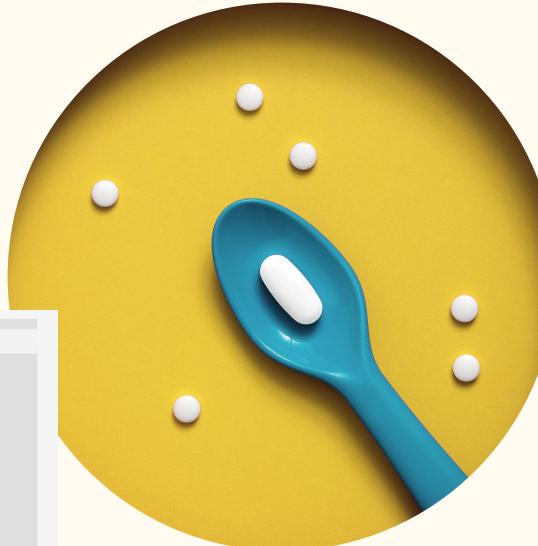
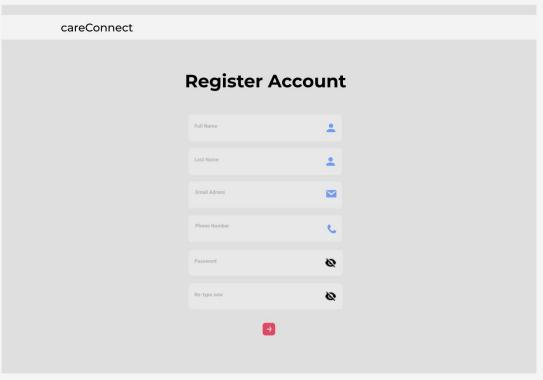
Last Name 

Email Address 

Phone Number 

Password 

Re-type password 



CareConnect

Find a Medical Center Book an Appointment My Appointments My Medical Record Contact Us



New Appointment

April, 2023

13 MON 14 TUE 15 WED 16 THUR 17 FRI

Available Time

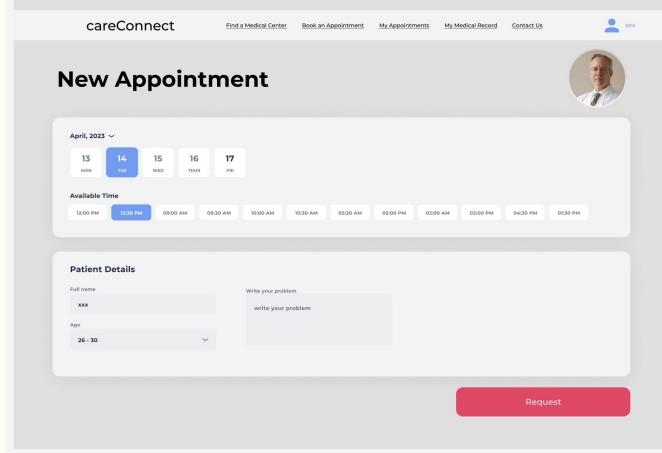
12:00 PM 12:30 PM 09:00 AM 09:30 AM 10:00 AM 10:30 AM 05:00 PM 05:30 PM 02:00 PM 02:30 PM 03:00 PM

Patient Details

Full name XXX Write your problem

Age 26 - 30

Request



Testing

Test Case

Project Name: careConnect

Test Case ID: 10 **Test Designed by:**

Test Priority (Low/Medium/High): Test Designed date: 01 May, 2023 High

Module
Name:client/src/pages/Appointment/Appointments.js, client/src/pages/Appointment/Appointment.css; server/controller/users/users.js, server/controller/medical-center/medical-center.js, server/models/medicalCenter.js, server/routes/MedicalCenter.js, server/routes/UserRoutes.js

Test Title: typical scenario for viewing medical centers and doctor lists **Test Execution date:**

Description: This test case tests the function viewing medical centers and doctor lists

Objective: To verify that a patient can select a medical center and view the details of the center including its services, doctors, and ratings.

Pre-conditions: The patient clicks into a medical center or a doctor in the list

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1		click into <input type="text"/>	the details of the center will show up	the details of the center showed up	Pass	
2		medical center	show up	showed up		
3		click into another medical center	the details of the center will show up	the details of the center showed up	Pass	
4		click into a doctor	the details of the doctor will show up	the details of the doctor showed up	Pass	
5		click into another doctor	the details of the doctor will show up	the details of the doctor showed up	Pass	

04 DEMO

