

Test Case

Project Name: careConnect

Test Case ID: 1

Test Designed by:

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

Module

Name: client/src/pages/Filter/Filter.js,
client/src/pages/Filter/Filter.css;
server/controller/search/search.js,
server/models/medicalCenter.js
server/routes/SearchFilterRoute.js

Test Executed by:

Test Title: typical scenario for
searching by keywords

Test Execution date:

Description: This test case tests the
function searching by keywords

Objective:

To check if patients can get medical
centers whose name contain the
keywords from their inputs

Pre-conditions: Patients enter some keywords in the search bar and click search
button

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|--------------------------------|--|---|--------------------|-------|
| 1 | | search by keyword "eNs" | only the medical center named "eNsaLex" will show up | only the medical center named "eNsaLex" showed up | Pass | |
| 2 | | search by keyword "Mahardston" | only the medical center named | only the medical center named | Pass | |

| | | | | | | |
|---|--|--------------------------|--|---|------|--|
| | | | "Mahardston" will show up | "Mahardston" showed up | | |
| 3 | | search by keyword "e" | medical centers that contain "e" will show up | medical centers that contain "e" ("eNsaLex" and "bimodenting") showed up | Pass | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

Medical centers that contain user input keywords show up on the page

Test Case

Project Name: careConnect

Test Case ID: 2

Test Designed by:

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

Module

Name: client/src/pages/Filter/Filter.js,
client/src/pages/Filter/Filter.css;
server/controller/search/search.js,
server/models/medicalCenter.js
server/routes/SearchFilterRoute.js

Test Executed by:

Test Title: alternate scenarios for

Test Execution date:

searching by keywords

Description: This test case tests the function searching by keywords

Objective:

To check if patients enter keywords that doesn't match any medical center, nothing will show up

Pre-conditions: Patients enter some keywords in the search bar and click search button

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|--------------------------------|--------------------|--------------------|--------------------|-------|
| 1 | | search by keyword "ens" | no center returned | no center returned | Pass | |
| 2 | | search by keyword "Mehardston" | no center returned | no center returned | Pass | |
| 3 | | search by keyword "bio" | no center returned | no center returned | Pass | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

No medical center matches the keywords, no medical center is returned

Test Case

Project Name: careConnect

Test Case ID: 3

Test Designed by:

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

High

Module

Test Executed by:

Name: client/src/pages/Filter/Filter.js,
client/src/pages/Filter/Filter.css;
server/controller/search/search.js,
server/models/medicalCenter.js
server/routes/SearchFilterRoute.js

Test Title: typical scenario for filtering by rating
Test Execution date:

Description: This test case tests the function filtering by rating

Objective: To verify that the search results include all medical centers with the user specified rating or higher

Pre-conditions: Patients specify a minimum rating in the rating filter and click search button

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|------------------------------|--|---|--------------------|-------|
| 1 | | filter by minimum rating "0" | all medical centers will show up | all medical centers showed up | Pass | |
| 2 | | filter by minimum rating "6" | medical center with rating large than or equal to 6 will show up | medical center with rating large than or equal to 6 showed up | Pass | |
| 3 | | filter by minimum rating "9" | medical center with rating large than or equal to 7 will show up | medical center with rating large than or equal to 6 showed up | Pass | |
| 4 | | | medical center with rating | medical center with | | |

| | | | | | | |
|---|--|--|--|---|--|--|
| | | | large than or equal to 9 (only one) will show up | rating large than or equal to 9 (one such center) showed up | | |
| 5 | | | | | | |

Post-conditions:

Medical centers that have rating greater than or equal to user chosen value show up on the page

Test Case

Project Name: careConnect

Test Case ID: 4

Test Designed by:

Test Priority (Low/Medium/High): High

Test Designed date: 01 May, 2023

Module

Name: client/src/pages/Filter/Filter.js,
client/src/pages/Filter/Filter.css;
server/controller/search/search.js,
server/models/medicalCenter.js
server/routes/SearchFilterRoute.js

Test Executed by:

Test Title: alternate scenarios for filtering by rating

Test Execution date:

Description: This test case tests the function filtering by rating

Objective:

To verify that there will be no search result if user specified rating is higher than those of all centers

Pre-conditions: Patients specify a minimum rating in the rating filter and click search button

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|-------------------------------|--------------------|--------------------|--------------------|-------|
| 1 | | filter by minimum rating "10" | no center returned | no center returned | Pass | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

No medical center matches the minimum rating bar, no medical center is returned

Test Case

Project Name: careConnect

Test Case ID: 5

Test Designed by:

Test Priority (Low/Medium/High):
High

Test Designed date: 01 May, 2023

Module

Name: client/src/pages/Filter/Filter.js,
client/src/pages/Filter/Filter.css;
server/controller/search/search.js,

Test Executed by:

server/models/medicalCenter.js
server/routes/SearchFilterRoute.js

Test Title: typical scenario for filtering by price **Test Execution date:**

Description: This test case tests the function filtering by price

Objective: To verify that the search results include all medical centers with the user specified price or lower

Pre-conditions: Patients specify a maximum price in the price filter and click search button

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|--------------------------------|--|---|--------------------|-------|
| 1 | | filter by maximum price "1000" | all medical centers will show up | all medical centers showed up | Pass | |
| 2 | | filter by maximum price "500" | medical center with price less than or equal to 500 will show up | medical center with price less than or equal to 500 showed up | Pass | |
| 3 | | filter by maximum price "200" | medical center with price less than or equal to 200 will show up | medical center with price less than or equal to 200 showed up | Pass | |
| 4 | | filter by maximum price "50" | medical center with price less than or equal to 50 will show up | medical center with price less than or equal to 50 showed up | Pass | |
| 5 | | | | | | |

Post-conditions:

Medical centers that have price less than or equal to user chosen value show up on the page

Test Case

Project Name: careConnect

Test Case ID: 6

Test Designed by:

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

Module

Name: client/src/pages/Filter/Filter.js,
client/src/pages/Filter/Filter.css;
server/controller/search/search.js,
server/models/medicalCenter.js
server/routes/SearchFilterRoute.js

Test Executed by:

Test Title: alternate scenarios for
filtering by price

Test Execution date:

Description: This test case tests the
function filtering by price

Objective:

To verify that there will be no search
result if user specified price is lower than
those of all centers

Pre-conditions: Patients specify a maximum price in the price filter and click
search button

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|------------------------------|--------------------|--------------------|--------------------|-------|
| 1 | | filter by maximum price "0" | no center returned | no center returned | Pass | |
| 2 | | filter by maximum price "10" | no center returned | no center returned | Pass | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

No medical center matches the maximum price bar, no medical center is returned

Test Case

Project Name: careConnect

Test Case ID: 7

Test Designed by:

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

Module

Test Executed by:

Name: client/src/pages/Filter/Filter.js,
client/src/pages/Filter/Filter.css;
server/controller/search/search.js,
server/models/medicalCenter.js
server/routes/SearchFilterRoute.js

Test Title: typical scenario for filtering by services
Test Execution date:

Description: This test case tests the function filtering by services

Objective:

To verify that the search results include all medical centers that offer services checked by users.

Pre-conditions: Patients check service boxes in the services filter and click search button

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|---|---|--|--------------------|-------|
| 1 | | check "pain-management" box | all medical centers that have "pain-management" service will show up | all medical centers that have "pain-management" service showed up | Pass | |
| 2 | | check "diagnostic-imaging", "rehabilitation-services" box | medical centers that have both "diagnostic-imaging" and "rehabilitation-services" services will show up | medical centers that have both "diagnostic-imaging" and "rehabilitation-services" services showed up | Pass | |
| 3 | | check all four service boxes | medical centers with all four services will show up | medical centers with all four services showed up | Pass | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

Medical centers that offer all services checked by the user show up on the page

Test Case

Project Name: careConnect

Test Case ID: 8

Test Designed by:

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

Module

Name: client/src/pages/Filter/Filter.js,
client/src/pages/Filter/Filter.css;
server/controller/search/search.js,
server/models/medicalCenter.js
server/routes/SearchFilterRoute.js

Test Executed by:

Test Title: typical scenario for
combined filtering and searching

Test Execution date:

Description: This test case tests the
combined filtering and searching

Objective:

To verify that the search results include
all medical centers whose name contains
user specified keywords and satisfies
user specified filters (if any).

Pre-conditions: Patients search by keywords and/or apply filters and click search
button

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Note |
|------|------------|---|--|--|--------------------|------|
| 1 | | specify price to be "1000" | all medical centers will show up | all medical centers showed up | Pass | |
| 2 | | check "diagnostic-imaging" and set rating to be "7" | medical centers that have "diagnostic-imaging" service | medical centers that have "diagnostic-imaging" | Pass | |

| | | | | | | |
|---|--|---|---|--|------|--|
| | | | whose rating is higher than or equal to 7 will show up | service whose rating is higher than or equal to 7 showed up | | |
| 3 | | set rating to "9" and price to "400" | medical centers with rating higher than or equal to 9 and price less than or equal to 400 will show up | medical centers with rating higher than or equal to 9 and price less than or equal to 400 showed up | Pass | |
| 4 | | set rating to "9" and price to "400" and enter keyword "bi" | medical centers with rating higher than or equal to 9 and price less than or equal to 400 whose name contains "bi" will show up | medical centers with rating higher than or equal to 9 and price less than or equal to 400 whose name contains "bi" showed up | Pass | |
| 5 | | | | | | |

Post-conditions:

Medical centers whose name contains user specified keywords and satisfies user specified filters (if any) appears on the page

Test Case

Project Name: careConnect

Test Case ID: 9

Test Designed by:

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

Module

Test Executed by:

Name: client/src/pages/Filter/Filter.js,
client/src/pages/Filter/Filter.css;
server/controller/search/search.js,
server/models/medicalCenter.js
server/routes/SearchFilterRoute.js

Test Title: alternate scenarios for
combined filtering and searching

Test Execution date:

Description: This test case tests the
combined filtering and searching

Objective:

To verify that there will be no search
result if no center meets all user
specified criterias

Pre-conditions: Patients search by keywords and/or apply filters and click search
button

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|--|--------------------|--------------------|--------------------|-------|
| 1 | | set rating to "9" and enter keyword "NAS" | no center returned | no center returned | Pass | |
| 2 | | set price to "50" and check "diagnostic-imaging" box | no center returned | no center returned | Pass | |
| 3 | | check all four service boxes and set rating to "8" | no center returned | no center returned | Pass | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

No medical center matches all user specified features, no medical center is returned

Test Case

Project Name: careConnect

Test Case ID: 10

Test Designed by:

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

Module

Test Executed by:

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 a | the details of the center will | the details of the center | Pass | |

| | | | | | | |
|---|--|-----------------------------------|--|-------------------------------------|------|--|
| | | medical center | show up | showed up | | |
| 2 | | click into another medical center | the details of the center will show up | the details of the center showed up | Pass | |
| 3 | | click into a doctor | the details of the doctor will show up | the details of the doctor showed up | Pass | |
| 4 | | click into another doctor | the details of the doctor will show up | the details of the doctor showed up | Pass | |
| 5 | | | | | | |

Post-conditions:

The details of a medical center or a doctor show up on the page

Test Case

Project Name: careConnect

Test Case ID: 11

Test Designed by:

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

Module

Test Executed by:

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 booking a consultation appointment

Test Execution date:

Description: This test case tests the function booking a consultation appointment

Objective:

To verify that the appointment is successfully booked and added to the patient's appointment list.

Pre-conditions: Patients select a medical center and a doctor from the search results and book a consultation appointment for a specific date and time.

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|---|-----------|---|---|--------------------|-------|
| 1 | Go to the Main/search page, find the medical center that intend to go | | There will be a list of medical center | There was a list of medical center | Pass | |
| 2 | Select the medical center, there is a list of doctor, select the doctor | | There will be a list of available slots | There were a list of available slots | Pass | |
| 3 | Choose the slots that fit the user schedule | | | | Pass | |
| 4 | Book the appointment | | The appointment details(Date, time, locations) will be added to the profile | The appointment details(Date, time, locations) was added to the profile | Pass | |

Post-conditions:

An appointment is successfully booked and added to the appointment list of patient, doctor, medical center in the profile page.

Test Case

Project Name: careConnect

Test Case ID: 12

Test Designed by:

Test Priority (Low/Medium/High):
High

Test Designed date: 01 May, 2023

Module

Test Executed by:

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: alternate scenario for booking a consultation appointment

Test Execution date:

Description: This test case tests the function booking a consultation appointment

Objective:

To verify that a booking fails and an appropriate error message is displayed when there's an attempt to book a consultation appointment for a medical center or doctor that is not available on the selected date and time

Pre-conditions: Patients select a medical center and a doctor from the search results and book a consultation appointment for a specific date and time.

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|---|-----------|---|---|--------------------|-------|
| 1 | Go to the Main/search page, find the medical center that intend to go | | There will be a list of medical center | There was a list of medical center | Pass | |
| 2 | Select the medical center, there is a list of doctor, select the doctor | | There will be a list of available slots | There was no available slots on the pages, and there was a light message "No appointments found" shown below the "Book Appointment" button. Therefore, user is unable to book the appointment | Fail | |

Post-conditions:
The booking fails.

Test Case

Project Name: careConnect

Test Case ID: 13

Test Designed by:

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

Module

Test Executed by:

Name: client/src/pages/Profile/Profile.js,
client/src/pages/Profile/Profile.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 appointment history
Test Execution date:

Description: This test case tests the function viewing appointment history

Objective:

To verify that patients, doctors and medical centers can view the list of all previously booked appointments and that the list includes all appointments booked by the patient.

Pre-conditions: Patients, doctors and medical centers click on the profile page

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|-----------------------|---------------------|---------------------|--------------------|-------|
| 1 | | Patient views profile | a list of all valid | a list of all valid | Pass | |

| | | | | | | |
|---|--|------------------------------|---|--|------|--|
| | | | appointments will show up | appointments showed up | | |
| 2 | | Doctor views profile | a list of all valid appointments will show up | a list of all valid appointments showed up | Pass | |
| 3 | | Medical center views profile | a list of all valid appointments will show up | a list of all valid appointments showed up | Pass | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

A list of all valid appointments show up on the page

Test Case

Project Name: careConnect

Test Case ID: 14

Test Designed by:

Test Priority (Low/Medium/High):
High

Test Designed date: 01 May, 2023

Module

Name: client/src/pages/Profile/Profile.js,
client/src/pages/Profile/Profile.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 Executed by:

Test Title: alternate scenarios for viewing appointment history

Test Execution date:

Description: This test case tests the viewing appointment history

Objective: To verify that the attempt to view the appointment list without being logged in as a patient, a doctor or a medical center fails and the user is prompted to log in.

Pre-conditions: Visitors not logged in click on the profile page

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Note |
|------|------------|--|-------------------------------------|---------------------------------|--------------------|------|
| 1 | | A visitor not logged in attempts to view profile | the user will be prompted to log in | the user was prompted to log in | Pass | |
| 2 | | Another visitor not logged in attempts to view profile | the user will be prompted to log in | the user was prompted to log in | Pass | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:
The user is prompted to log in

Test Case

Project Name: careConnect

Test Case ID: 15

Test Designed by:

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

Module

Name: client/src/pages/Chat/Chat.js,
client/src/pages/Chat/Chat.css,
client/src/pages/Chat/ChatWindow.js,
client/src/pages/Chat/ChatForm.css;
server/controller/search/search.js,
server/models/Appointments.js,
server/routes/UserRoutes.js

Test Executed by:

Test Title: typical scenario for online consultation, in particular whether a patient can initiate a chat session with a doctor

Test Execution date:

Description: This test case tests the online consultation, in particular whether a patient can initiate a chat session with a doctor

Objective:

To verify if a patient can initiate a chat session with a doctor

Pre-conditions: Patients enter the chat room and initiate a chat session with a doctor

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|-----------|-----------------|---------------|--------------------|-------|
| 1 | | a patient | patient and | patient and | Pass | |

| | | | | | | |
|---|--|---|-----------------------------|------------------------|--|--|
| | | enter the chat room and initiate a chat session with a doctor | doctor will see the message | doctor saw the message | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

Chat starts and both the patient and the doctor can see the message

Test Case

Project Name: careConnect

Test Case ID: 16

Test Designed by:

Test Priority (Low/Medium/High): High

Test Designed date: 01 May, 2023

Module

Name: client/src/pages/Chat/Chat.js,
client/src/pages/Chat/Chat.css,
client/src/pages/Chat/ChatWindow.js,
client/src/pages/Chat/ChatForm.css;
server/controller/search/search.js,
server/models/Appointments.js,
server/routes/UserRoutes.js

Test Executed by:

Test Title: alternate scenario for online consultation, in particular whether a patient can initiate a chat session with a doctor

Test Execution date:

Description: This test case tests the online consultation, in particular whether a patient can initiate a chat session with a doctor

Objective:

To check if an error message will show up when patients enters a roomID that is not scheduled

Pre-conditions: Patients enters a roomID that is not scheduled

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|--|---------------------------|---------------------------|--------------------|-------|
| 1 | | Patients enters a roomID that is not scheduled | An error message shows up | An error message shows up | Pass | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

An error message shows up

Test Case

Project Name: careConnect

Test Case ID: 17

Test Designed by:

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

Module

Name: client/src/pages/Chat/Chat.js,
client/src/pages/Chat/Chat.css,
client/src/pages/Chat/ChatWindow.js,
client/src/pages/Chat/ChatForm.css;
server/controller/search/search.js,
server/models/Appointments.js,
server/routes/UserRoutes.js

Test Executed by:

Test Title: typical scenario for online consultation, in particular whether a doctor can initiate a chat session with a patient

Test Execution date:

Description: This test case tests the online consultation, in particular whether a doctor can initiate a chat session with a patient

Objective:

To verify if a doctor can initiate a chat session with a patient

Pre-conditions: Doctors enter the chat room and initiate a chat session with a patient

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Note |
|------|------------|---|---|------------------------------------|--------------------|------|
| 1 | | a doctor enter the chat room and initiate a chat session with a patient | patient and doctor will see the message | patient and doctor saw the message | Pass | |
| 2 | | | | | | |
| 3 | | | | | | |

| | | | | | | |
|---|--|--|--|--|--|--|
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

Chat starts and both the patient and the doctor can see the message

Test Case

Project Name: careConnect

Test Case ID: 18

Test Designed by:

Test Priority (Low/Medium/High):
High

Test Designed date: 01 May, 2023

Module

Name: client/src/pages/Chat/Chat.js,
client/src/pages/Chat/Chat.css,
client/src/pages/Chat/ChatWindow.js,
client/src/pages/Chat/ChatForm.css;
server/controller/search/search.js,
server/models/Appointments.js,
server/routes/UserRoutes.js

Test Executed by:

Test Title: alternate scenario for
online consultation, in particular
whether a doctor can initiate a chat
session with a patient

Test Execution date:

Description: This test case tests the
online consultation, in particular
whether a doctor can initiate a chat
session with a patient

Objective:

To check if an error message will show
up when doctors enters a roomID that is
not scheduled

Pre-conditions: Doctors enter a roomID that is not scheduled

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|--|---------------------------|---------------------------|--------------------|-------|
| 1 | | Doctors enter a roomID that is not scheduled | An error message shows up | An error message shows up | Pass | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

An error message shows up

Test Case

Project Name: careConnect

Test Case ID: 19

Test Designed by:

Test Priority (Low/Medium/High): High

Test Designed date: 01 May, 2023

Module

Name: client/src/pages/Chat/Chat.js,
client/src/pages/Chat/Chat.css,
client/src/pages/Chat/ChatWindow.js,
client/src/pages/Chat/ChatForm.css;
server/controller/search/search.js,
server/models/Appointments.js,
server/routes/UserRoutes.js

Test Executed by:

Test Title: typical scenario for online consultation, in particular real-time chatting

Test Execution date:

Description: This test case tests the online consultation, in particular

real-time chatting

Objective:

To verify that a patient and a doctor can exchange messages in real-time during a chat session.

Pre-conditions: Patients and doctors send message in the chat room

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|---------------------------------|--------------------------------|--------------------------------|--------------------|-------|
| 1 | | a doctor send a message | a patient receive that message | a patient receive that message | Pass | |
| 2 | | a doctor send several messages | a patient receive all messages | a patient receive all messages | Pass | |
| 3 | | a patient send a message | a doctor receive that message | a doctor receive that message | Pass | |
| 4 | | a patient send several messages | a doctor receive all messages | a doctor receives all message | Pass | |
| 5 | | | | | | |

Post-conditions:

Doctors and patients receive all messages from each other

Test Case

Project Name: careConnect

Test Case ID: 20

Test Designed by:

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

Module

Name: client/src/pages/Chat/Chat.js,
client/src/pages/Chat/Chat.css,
client/src/pages/Chat/ChatWindow.js,
client/src/pages/Chat/ChatForm.css;
server/controller/search/search.js,
server/models/Appointments.js,
server/routes/UserRoutes.js

Test Executed by:

Test Title: typical scenarios for online consultation, in particular ending a chat
Test Execution date:

Description: This test case tests the online consultation, in particular ending a chat

Objective: To verify that the chat session can be ended by either the patient or the doctor

Pre-conditions: Patients or doctors end a chat

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|------------|-----------------------|-----------------|---------------|--------------------|-------|
| 1 | | a patient ends a chat | chat ended | chat ended | Pass | |
| 2 | | a doctor ends a chat | chat ended | chat ended | Pass | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:
The chat is ended

1. alternate scenarios

2. Verify that the chat session can handle a high volume of messages.
3. Verify that the chat session can handle different languages and character sets.
4. Verify that the chat session can handle interruptions and connectivity issues, such as network failures or dropped connections.
5. Verify that the chat session can handle different user roles, such as a patient, a doctor, a nurse, or an administrator.
6. Verify that the chat session can handle multiple chat sessions at the same time.
7. Verify that the chat session can handle different time zones and scheduling conflicts.
8. Verify that the chat session can handle different payment and billing methods, if applicable.
9. Verify that the chat session can handle different medical specialties and conditions.

Test Case

Project Name: careConnect

Test Case ID: 21

Test Designed by:

Test Priority (Low/Medium/High):
High

Test Designed date: 01 May, 2023

Module

Test Executed by:

Name: client/src/pages/Profile/Profile.js,
client/src/pages/Profile/Profile.css;
server/controller/users/users.js,
server/models/Prescription.js,
server/routes/UserRoutes.js

Test Title: typical scenario for E-prescription

Test Execution date:

Description: This test case tests the function E-prescription on the doctor end

Objective:

To verify that a doctor can create a prescription for a patient with valid inputs and that the prescription is

created and saved successfully in the system

Pre-conditions: Doctors create a prescription for a patient

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|--|---|---|--|--------------------|-------|
| 1 | Go to the profile page, and there is a form under the prescription | Enter Name:Painkiller; Brand: ibuprofen; Amount: 1tab; Frequency: twice a day; Route of Taking: by mouth; Total Amount and Refill in pharmacy: 3 packs and 11; Signature: doctorName | There will be a notification showing "Prescription created successfully!" | There was a message that showed "Prescription created successfully!" | Pass | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

A message pops up indicating success and the prescription details are stored in the system

Test Case

Project Name: careConnect

Test Case ID: 22

Test Designed by:

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

Module

Test Executed by:

Name: client/src/pages/Profile/Profile.js,
client/src/pages/Profile/Profile.css;
server/controller/users/users.js,
server/models/Prescription.js,
server/routes/UserRoutes.js

Test Title: typical scenario for E-prescription

Test Execution date:

Description: This test case tests the function E-prescription on the patient end

Objective:

To test that a patient can view all the prescriptions they have received from doctors and verify that the patient can see a list of all the prescriptions they have received for a specific appointment.

Pre-conditions: Patients click into the profile page

| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|------|--|-----------|-------------------------------|--|--------------------|-------|
| 1 | open profile page and check the prescription associated with the appointment | | will see prescription details | saw prescription details: Name:Painkiller; Brand: ibuprofen; Amount: 1tab; Frequency: twice a day; | Pass | |

| | | | | | | |
|---|--|--|--|--|--|--|
| | | | | Route of Taking: by mouth; Total Amount and Refill in pharmacy: 3 packs and 11; Signature: doctorName | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

Post-conditions:

A list of all the prescriptions patients have received for all appointments shows on the page