

Test Plan

Listed Required Features/Behaviors:

- **Login**
 - Test Cases
 - Try to login using...
 - a username that is not in the database
 - Reason: Test if the system recognizes the user is not in the database
 - an incomplete username
 - Reason: Test is part of the username is enough to login
 - an invalid username
 - Reason: Test that the system behaves as expected
 - no password
 - Reason: make sure the system doesn't allow a user with no password to login
 - an invalid password
 - Reason: Make sure the system recognizes an invalid password
 - incorrect password
 - Reason: Make sure the system recognizes an incorrect password
 - a correct password and username
 - Reason: Test that the system logs the correct user into the correct account
 - a practitioner's login on the patient's portal
 - Reason: make sure the system recognizes a practitioner and patients' password separately
 - a patient's login on the practitioner's portal
 - Reason: make sure the system retrieves the passwords from the correct database
- **Sign-up**
 - Test Cases
 - Try to sign up...
 - Normally
 - Reason: Make sure the software works as intended
 - with invalid password
 - Reason: Make sure the software does not accept invalid passwords (such as "Pass word" or "Pa22_ W0rd")
 - with invalid username
 - Reason: Test that the software does not accept invalid usernames such as "Use rname" or "User_3 Name"

- without filling in security question
 - Reason: Test that the system does not accept incomplete data
- without filling in security answer
 - Reason: Test that the system does not accept invalid responses
- without filling in a practitioner
 - Reason: Test that the system files the user under practitioner when this is unanswered
- with filling in a practitioner who is not listed
 - Reason: Test that the system does not accept fake practitioners
- with filling in a practitioner that is listed
 - Reason: Make sure the system accepts practitioners that are already in the practitioner's database
- with a username already in the database
 - Reason: Test that the system doesn't allow duplicate usernames
- with a password already in the database
 - Reason: Test that two different users can have the same password
- with a first and/or last name already in the database
 - Reason: Test that two different users can have the same name
- **Forgot Username**
 - Test Cases
 - Try to recover password...
 - without a username
 - Reason: make sure the system alerts the user that they did not fill in all the fields
 - without answering security question
 - Reason: Test that the username is not enough to retrieve the password
 - by filling in the password for the username
 - Reason: Test that the system doesn't find the password in the database
 - with an incomplete username
 - Reason: test that partial usernames are not enough for a query in the database
 - without filling anything in
 - Reason: Test that the system will not do anything with no data

- by filling in spaces instead of letters
 - Reason: Test that the system will not search for a user with the username “ “
 - with a username in all caps
 - Reason: Make sure the capitalization of the username is considered when searching for a user
- **Data Display**
 - Test Cases
 - Try displaying data for someone...
 - not in the database
 - Reason: Make sure the system does not display someone else’s data
 - without a CSV file
 - Reason: Make sure the system displays an empty graph
 - without a name (first and/or last)
 - Reason: Make sure the system displays the proper user with just a username
 - without a profile
 - Reason: make sure the system displays no data
 - with an empty CSV file
 - Reason: make sure the system displays no data
 - who is a clinician
 - Reason: Make sure the system won’t display any data