Sign Up

Actor:

Patient

Scenario:

- 1. Patient needs to go to the web application and click sign up.
- 2. Patient needs to put his/her name, age, date of birth, gender, blood group, address, occupation, email, password and contact number.
- 3. Patient can also sign up with his/her Facebook or Google account.
- 4. System will verify newly added Patient through email.
- 5. Patient account is stored into the database.

Pre-Condition:

- 1. URL of the web application from the web browser.
- 2. Patient required to have an email.
- 3. To sign up with Facebook or Google, Patient needs to be logged in there.

Post-Condition:

- 1. Successful: Account created successfully.
- 2. Unsuccessful: "You must fill up the required field" or "Please try again" or message will appear on the screen.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. Internet connection lost.
- 3. Server traffic.

Log In

Actor:

Doctor, Patient

Scenario:

- 1. Doctor and Patient needs to put his/her email, password.
- 2. Check ID and password (User Authentication).
- 3. Save ID and password. (Cookies).
- 4. Remember password.
- 5. Doctor, Patient can also log in with his/her Facebook or Google account if he/she had signed up with any of those.
- 6. Doctor, Patient can recover his/her password by clicking on forget password.
- 7. Doctor, Patient can recover password from the sent link on email.

Pre-Condition:

- 1. URL of the web application from the web browser.
- 2. Patient needs to be signed up into the system.

Post-Condition:

- 1. Successful: Log in successfully.
- 2. Unsuccessful: "You must fill up the required field" or "Invalid email/password" or message will appear on the screen.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. Internet connection lost.
- 3. Server traffic.

Chatbot

Actor:

Admin, Patient

Scenario:

- 1. Admin, Patient needs to open the chatbot.
- 2. Admin, Patient can type message in the textbox and send message.
- 3. Patient will be asked about his/her symptoms by chatbot.
- 4. Patient will be suggested one or more doctor's names according to his/her disease.
- 5. Patient will also be suggested with health-related guidelines according to his/her disease.
- 6. Patient will be displayed an invalid message if he/she sends inappropriate texts.

Pre-Condition:

- 1. Admin, Patient must need to have internet connection on the device.
- 2. URL of chatbot from web browser.
- 3. Admin, Patient must need to be logged into the system.

Post-Condition:

- 1. Successful: Successfully sent and received messages.
- 2. Unsuccessful: "Sorry, I did not get that" will appear on the screen when the chatbot fails to decipher the symptoms and match a doctor based on it.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. Internet connection lost.

View Profile

Actor:

Admin, Doctor and Patient

Scenario:

- 1. Admin, Doctor and Patient needs to click on the view profile button.
- 2. Doctor and Patient can edit his/her profile.
- 3. Doctor and Patient can input his/her height and weight to have a calculated BMI.
- 4. Doctor and Patient can change his/her password from their profile.
- 5. Doctor and Patient can upload/remove his display picture.
- 6. Doctor and Patient can also delete his/her account.
- 7. Doctor can upload a medical license for system verification.
- 8. Patient can upload NID for system verification if they want to rate a doctor.
- 9. Admin, Patient can remove uploaded reports.
- 10. Admin, Doctor and Patient can turn off notifications from his/her profile.
- 11. Patient can add his/her reference on his/her profile.

Pre-Condition:

- 1. URL of the web application from the web browser.
- 2. Doctor and Patient needs to be logged in to the system.

Post-Condition:

- 1. Successful: View profile page appeared successfully.
- 2. Unsuccessful: Couldn't open view profile.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. Internet connection lost.

Make Appointment

Actor:

Patient

Scenario:

- 1. Patient browses to the make appointment page.
- 2. Patient selects the doctor he/she wants to take appointment based on availability.
- 3. Patient puts the date of appointment.
- 4. Patient selects a preferable time for appointment from the available slots.
- 5. Patient confirms the selections.
- 6. Patient will get an OTP verification code for the confirmation of the appointment.
- 7. Patient will put the OTP code in the code field.
- 8. Patient confirms the appointment.

Pre-Condition:

- 1. Patient must need to have an internet connection on the device.
- 2. URL of this page from the web browser.
- 3. Patient must need to have a valid phone number.
- 4. Patient must need to log into the system.

Post-Condition:

- 1. Successful: Appointment is confirmed.
- 2. Unsuccessful: A "Please fill up the required field" message will appear on the screen.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. No internet connection.
- 3. User input error.
- 4. Server traffic.

View Appointments

Actor:

Doctor, Patient

Scenario:

- 1. Doctor, Patient browse to the view appointment page.
- 2. Doctor, Patient view his/her upcoming appointments.
- 3. Doctor, Patient can cancel any appointment.
- 4. Doctor, Patient will get an email about the cancellation.
- 5. Patient can reschedule any cancelled appointments.

Pre-Condition:

- 1. Doctor, Patient need to have an internet connection on the device.
- 2. URL of this page from the web browser.
- 3. Doctor, Patient must need to log into the system.
- 4. Doctor, Patient must need to have an email.

Post-Condition:

- 1. Successful: Successfully viewed appointment.
- 2. Unsuccessful: Couldn't open view appointment and "Please try again" message will appear on the screen.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. No internet connection.
- 3. Server traffic.

Add Doctor

Actor:

Admin

Scenario:

- 1. Admin needs to go to specialties page.
- 2. Admin needs to put the doctors' name, age, contact number, email, specialized field, work place name, work place address, designation, fees, working hours.
- 3. Information will be stored in the database.

Pre-Condition:

- 1. URL of this page from the web browser.
- 2. Admin must have to be a valid member of the organization.

Post-Condition:

- 1. Successful: Doctor is added successfully.
- 2. Unsuccessful: "You must fill up the required field" message will appear on the screen when any field is empty.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. Server traffic.

Verify doctor

Actor:

Admin

Scenario:

- 1. Admin will check the medical license of the doctor.
- 2. Admin will verify the doctor by confirming the doctors' medical license valid.

Pre-Condition:

- 1. URL of this page from the web browser.
- 2. Admin must have to be a valid member of the organization.

Post-Condition:

- 1. Successful: Verified doctor successfully.
- 2. Unsuccessful: Couldn't verify the doctor.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. Server traffic.

Search

Actor:

Patient

Scenario:

- 1. Patients enter the search criteria in the search box.
- 2. Patients search by a doctor's name.
- 3. Patients search by a doctor's specialty.
- 4. Patients search by a doctor's availability.
- 5. Patients search by doctor's ratings.
- 6. Patients search by a doctor's working place.
- 7. Patients search by a doctor's e-mail.
- 8. Patients search by fees of doctors.
- 9. Patients are provided with a customized list of doctors upon entering the search criteria.

Pre-Condition:

- 1. Patients must have a stable internet connection.
- 2. Patients must log in to the system with valid ID and password.
- 3. Patients must have the URL of the page from web browser.

Post-Condition:

- 1. Successful: Patient can successfully find their desired doctors.
- 2. Unsuccessful: Patient cannot search for the doctors. A task failure message will pop up in the same page.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. Database failure.
- 3. User input error.
- 4. Server traffic.

About Us

Actor:

Patient/Doctor

Scenario:

- 1. Patients/doctors view various information about the website including contact information.
- 2. Patients/doctors can make a donation to the web application.
- 3. Patients/doctors can pay via bank account/bkash/rocket/nagad.
- 4. Patients/doctors receive an email notification after the successful transaction of money along with a thank you message.

Pre-Condition:

- 1. Patients/doctors must have a stable internet connection.
- 2. Patients/doctors must log in to the system with valid ID and password.
- 3. Patients/doctors must have the URL of the page from web browser.
- 4. Patients/doctors must have valid transaction mode.

Post-Condition:

- 1. Successful: Patients/doctors can successfully view website information and make a donation.
- 2. Unsuccessful: Patients/doctors cannot view website information and/or make a donation. A task failure message will pop up in the same page.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. Database failure.
- 3. User input error.
- 4. Server traffic.
- 5. Insufficient bank/bKash/Rocket/Nagad balance.

Medication Schedule

Actor:

Patient/Doctor

Scenario:

- 1. Patients/doctors open the medication schedule page.
- 2. Patients/doctors manually enter their medication schedule with dosage and duration.
- 3. Patients/doctors can set a reminder before every scheduled dosage.
- 4. Patients/doctors can remove the medicine from the schedule upon completion.
- **5.** Patients/doctors can keep notes of any side effects they may have been facing for use during the next scheduled appointment with a doctor.

Pre-Condition:

- 1. Patients/doctors must have a stable internet connection.
- 2. Patients/doctors must log in to the system with valid ID and password.
- 3. Patients/doctors must have the URL of the page from web browser.

Post-Condition:

- 1. Successful: Patients/doctors can successfully track their medication schedule.
- 2. Unsuccessful: Patients/doctors cannot view medication schedule. A task failure message will pop up in the same page.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. Database failure.
- 3. Server traffic.

Specialties

Actor:

Patients

Scenario:

- 1. Patient needs to click "Specialties" to open page.
- 2. Patient can view detailed information of all the doctors.
- 3. Patient can find and select his/her doctor of the specialized field.
- 4. Patient will be notified via email if a new doctor is added on the list.
- 5. Patient will be notified via email if a doctor is reassigned/shifted.

Pre-Condition:

- 1. Patient must have internet connection on the device.
- 2. URL of this page from web browser.
- 3. Patient must stay logged into the system to view the page.
- 4. Patient must have a valid account.

Post-Condition:

- 1. Successful: Specialties page has been successfully viewed.
- 2. Unsuccessful: Couldn't open Specialties page and "Please try again" message will appear on the screen.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. No internet connection.
- 3. Server traffic.

Add Ratings

Actor:

Patients

Scenario:

- 1. Patient needs to click "Add Ratings" to open page.
- 2. Patient can upload his medical prescription in order to add ratings (out of 5 stars).
- 3. Patient can upload his/her NID/Birth Certificate which is needed to verify the ratings.
- 4. Patient can rate a doctor based on his/her service.
- 5. Patient can rate a doctor based on his/her behavior.
- 6. Patient can rate a doctor based on accurate diagnosis.
- 7. Patient can rate a doctor based on waiting time (if the doctor was not able to see him/her at the given time).
- 8. Patient can make comments about the service of a doctor.

Pre-Condition:

- 1. Patient must have internet connection on the device.
- 2. URL of this page from web browser.
- 3. Patient must stay logged into the system to view the page.
- 4. Patient must be an NID card holder or must possess a Birth Certificate.
- 5. Patient must possess medical prescriptions.

Post-Condition:

- 1. Successful: Rating has been successfully added.
- 2. Unsuccessful: "You must fill up the required field" message will appear on the screen if any field is empty.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. No internet connection.
- 3. Server traffic.
- 4. User input error.

View Ratings

Actor:

Patients, Doctors

Scenario:

- 1. Doctors can view his/her ratings (out of 5 stars) given by each patient.
- 2. Doctors can view his feedback/comments given by each patient.
- 3. Patient can view ratings given by other patients and compare each doctor's service, behaviour, diagnosis and waiting time.

Pre-Condition:

- 1. Patient must have internet connection on the device.
- 2. Patient must have a valid account.
- 3. URL of this page from web browser.
- 4. Patient must stay logged into the system to view the page.

Post-Condition:

- 1. Successful: Ratings have been successfully viewed.
- 2. Unsuccessful: Couldn't open View Ratings page and "Please try again" message will appear on the screen.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. No internet connection.
- 3. Server traffic.
- 4. Database failure.

Remove Doctor

Actor:

Admin

Scenario:

- 1. Admin can remove Doctor/Patient when required.
- 2. Admin will notify the Doctor/Patient via email after removing him/her.
- 3. Admin can remove a patient if his/her comments regarding a doctor on ratings page is vulgar or hateful.
- 4. Admin can remove a Patient/Doctor if his/her account gets caught as a fraud.

Pre-Condition:

- 1. Admin must have internet connection on the device.
- 2. Admin must be a valid member of the organization.
- 3. URL of this page from web browser.

Post-Condition:

- 1. Successful: Patient/Doctor has been successfully removed.
- 2. Unsuccessful: Couldn't open Remove User page and "Please try again" message will appear on the screen.
- 3. Exception: Stay on the same page if possible.

- 1. Required page not found.
- 2. No internet connection.
- 3. Server traffic.
- 4. Database failure.
- 5. User input error.