

# **Health Hub**

Test Scenarios



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## **Test Scenarios**

### **1 User Registration and Login**

- TS 1.1** Verify that a new user can successfully register by providing a valid username, email, password, and other required details.
- TS 1.2** Verify that registration fails when the email is already registered in the system.
- TS 1.3** Verify that if user enters email in a wrong format, system will not allow to proceed registration.
- TS 1.4** Verify that username, email, and password are in the correct format.
- TS 1.5** Verify that registration fails when mandatory fields (username, email, or password) are missing.
- TS 1.6** Verify that the system validates password requirements (e.g., minimum length, special characters).
- TS 1.7** Verify that the user receives an error message when entering an invalid email format.
- TS 1.8** Verify that registered users can log in with valid credentials.
- TS 1.9** Verify that the system prevents login for users with incorrect credentials.
- TS 1.10** Verify that a user can log out successfully.
- TS 1.11** Verify that users can reset their password if they forget it.

### **2 Doctor Search**

- TS 2.1** Verify that a patient can search for doctors using various criteria such as doctors name, specialization, or location.
- TS 2.2** Verify that the system displays relevant doctors when a search is conducted with valid criteria.
- TS 2.3** Verify that the system displays an appropriate message if no doctors match the search criteria.
- TS 2.4** Verify that the system displays the doctor's availability in the search results.
- TS 2.5** Verify that patients can view detailed doctor profiles from the search results.
- TS 2.6** Verify that the search feature works correctly on both web and mobile interfaces.
- TS 2.7** Verify that search results are displayed in order of relevance.

### 3 Appointment Scheduling

- TS 3.1** Verify that a patient can view available appointment slots for a selected doctor.
- TS 3.2** Verify that a patient can select and book an available slot.
- TS 3.3** Verify that the system prevents double booking for the same time slot.
- TS 3.4** Verify that an appointment confirmation notification is sent to both the patient and doctor upon successful booking.
- TS 3.5** Verify that a patient can view, reschedule, or cancel an appointment.
- TS 3.6** Verify that the system updates the doctors availability after an appointment is booked or canceled.
- TS 3.7** Verify that a doctor can set their available time slots.
- TS 3.8** Verify that a patient receives a reminder notification before the appointment.
- TS 3.9** Verify that an appointment can only be rescheduled by the patient by creating a new appointment and deleting the previous one.

### 4 Doctor Profile Management

- TS 4.1** Verify that a doctor can view and update their profile information, including qualifications, expertise, and availability.
- TS 4.2** Verify that the system validates all required fields when a doctor updates their profile.
- TS 4.3** Verify that the updated profile information is saved and made visible to patients searching for doctors.
- TS 4.4** Verify that the doctors availability updates correctly after an appointment is booked or canceled.
- TS 4.5** Verify that a doctor can upload qualifications or certifications as supporting documents.
- TS 4.6** Verify that patients can view a doctors qualifications and expertise on their profile.
- TS 4.7** Verify that a doctors profile includes up-to-date average ratings and recent feedback.
- TS 4.8** Verify that only authorized users (doctors) can access and edit their profile information.

### 5 Chat Feature

- TS 5.1** Verify that a patient can initiate a chat session with a doctor with which they have had an appointment.
- TS 5.2** Verify that the system establishes a secure connection for the chat session.
- TS 5.3** Verify that both the patient and the doctor can exchange messages in real-time.

- TS 5.4** Verify that the chat feature is disabled for unauthorized users or users who are not logged in.
- TS 5.5** Verify that the chat messages are saved securely and are accessible during the chat session.
- TS 5.6** Verify that the chat session ends properly when closed by either the patient or the doctor.
- TS 5.7** Verify that the system displays notifications for new chat messages.
- TS 5.8** Verify that chat history is available to both the doctor and patient after the session ends.
- TS 5.9** Verify that the chat interface displays connection errors, if any.

## **6 Doctor Ratings**

- TS 6.1** Verify that a patient can provide a rating and feedback for a doctor after an appointment.
- TS 6.2** Verify that the system saves the patients rating and feedback and links it to the doctors profile.
- TS 6.3** Verify that only patients who have had an appointment with the doctor can submit a rating.
- TS 6.4** Verify that ratings and feedback are reflected on the doctors profile.
- TS 6.5** Verify that the system calculates and displays the average rating for a doctor based on all submitted ratings.

## **7 Notification:**

- TS 7.1** Ensure that the system handles null values gracefully when there are no notifications for the user on the home page.
- TS 7.2** Check that each notification displays a timestamp indicating when it was received, ensuring chronological order.
- TS 7.3** Latest 10 Notifications will be displayed to the user.
- TS 7.4** Every Update happen in the system, a notification will be provided to the user.