

# **The function requirements**

## **1. Disease Definitions Section:**

### **1. User Access:**

- 1.1. Users should be able to navigate to the Disease Definitions section from the website's main menu.
- 1.2. Access to detailed information about chronic diseases should be available without the need for user registration.

### **2. Content Accuracy:**

- 2.1. Content should be sourced from reputable medical professionals and organizations.
- 2.2. Information must include causes, symptoms, diagnosis, and management of each chronic condition.

### **3. Search Functionality:**

- 3.1. A search feature should be implemented to allow users to quickly find information about specific chronic diseases.
- 3.2. The search results should be categorized and presented in a user-friendly format.

## **2. Sports and Physical Activities Section:**

### **1. Expert Collaboration:**

- 1.1. Collaboration with medical experts and physiotherapists is required to provide accurate and customized recommendations.

### **2. User Guidance:**

- 2.1. Users should receive guidance on suitable sports and physical activities for specific chronic conditions.
- 2.2. Exercises and guidelines must be provided to promote an active lifestyle, considering the limitations and precautions associated with each condition.

### **3. Interactive Features:**

- 3.1. Include interactive features such as video demonstrations and interactive exercise routines to enhance user engagement.

### **3. Healthy Food Choices Section:**

#### **1. Nutritional Guidance:**

- 1.1 Collaborate with certified nutritionists and dietitians to provide evidence-based information.
- 1.2 Offer guidance on healthy food choices, recipes, meal plans, and tips for individuals with specific chronic conditions.

#### **2. User Interaction:**

- 2.1 Include interactive tools, such as a meal planner or a dietary quiz, to engage users in making informed nutritional choices.
- 2.2 Allow users to submit questions to nutritionists for personalized advice.

### **3. Doctors Directory and Location-based Services section:**

#### **1. Comprehensive Database:**

- 1.1 Develop and maintain a comprehensive database of doctors specializing in chronic diseases.
- 1.2 Regularly update and verify the directory to ensure accuracy and reliability.

#### **2. Search Functionality:**

- 2.1 Implement a user-friendly search functionality that allows users to find doctors based on their location.
- 2.2 Provide filters for users to narrow down search results based on specialization, availability, and user reviews.

#### **3. Profile Information:**

- 3.1 Display detailed profiles for each doctor, including contact information, specialization, certifications, and user reviews.

#### **4. Appointment Booking:**

- 4.1 Integrate a feature that allows users to schedule appointments with doctors directly through the website.
- 4.2 Include notifications and reminders for upcoming appointments.

## **Non-Functional Requirements**

### **1. Performance:**

The website should load quickly to ensure a seamless user experience.

Response time for search functionalities should be kept minimal.

### **2. Security:**

Implement robust security measures to protect user data, especially in the case of appointment scheduling and user accounts.

Regularly update and patch security vulnerabilities to prevent unauthorized access.

### **3. Scalability:**

Design the website architecture to accommodate potential future expansions, such as the addition of new sections or features.

### **4. Accessibility:**

Ensure the website is accessible to users with disabilities, following relevant accessibility standards (e.g., WCAG).

### **5. Reliability:**

The website should be available 24/7 with minimal downtime for maintenance.

Implement a backup and recovery system to safeguard against data loss.

### **6. Usability:**

Design an intuitive and user-friendly interface to enhance the overall usability of the website.

Provide clear instructions and guidance for users interacting with different sections of the site.

### **7. Collaboration:**

Establish efficient communication channels with medical professionals, nutritionists, and other collaborators to ensure the timely update of content and information.

**8. Regulatory Compliance:** Adhere to relevant medical and healthcare regulations and standards to ensure the website's compliance with legal requirements.

**9. Mobile Responsiveness:**

Optimize the website for mobile devices to cater to users accessing the platform from different devices and screen sizes.

**10. User Training and Support:**

Provide user documentation and support to help users navigate and make the most of the website's features.

Include a feedback system to gather user opinions for continuous improvement.