

Requirements Specification - Online Medical System

Introduction

The purpose of this document is to outline the functional and non-functional requirements of the online medical system. The system aims to provide a convenient and accessible platform for patients and doctors to interact, schedule appointments, and conduct virtual consultations. This document will define the features, constraints, and expectations of the system.

Functional Requirements

1. User Registration:
 - Patients should be able to create user accounts with their personal information, including name, email, phone, and password.
2. User Login:
 - Users should be able to log in to the system using their registered credentials.
3. Appointment Scheduling:
 - Patients should be able to view available appointment slots for different doctors.
 - Patients should be able to schedule appointments by selecting a preferred time slot and doctor.
4. Appointment Management:
 - Patients should be able to view and manage their upcoming appointments, including canceling.

Non-Functional Requirements

1. Security:
 - The system should ensure secure transmission of data during all functions process, maintaining patient privacy and confidentiality.
 - User login and registration information should be stored securely in the database.
2. Performance:
 - The system should respond quickly to user interactions (within 3 seconds), minimizing delays and providing a smooth user experience.
3. User-Friendly Interface:
 - The system should have an intuitive and user-friendly interface, allowing users to navigate and perform tasks easily.
 - Clear instructions and guidance should be provided to assist users in using the system effectively.
4. Scalability:
 - The system should be designed to handle a growing number of users and appointments without significant performance degradation.

Updates and Milestone Status

- Milestone 1: User registration, login, and basic UI - Completed
- Milestone 2: Appointment scheduling and appointment management - Completed
- Milestone 3: Additional features (virtual consultation, doctor system) - Not implemented within the current scope

This Requirements Specification provides an overview of the functional and non-functional requirements of the online medical system. It defines the features that users can expect from the system and outlines the milestones achieved during the development process. The document will serve as a guide for the design, implementation, and evaluation of the system.