Solution Requirements Document for Docspot

Date	22JUN2025
Team Id	LTVIP2025TMID30950
Project name	DOCSPOT SEAMLESS APPOINTME--NT BOOKING FOR HEALTH

1. Introduction

The Docspot application aims to provide a seamless appointment booking experience for patients and healthcare providers. This document outlines the functional and non-functional requirements necessary for the successful implementation of the application.

2. Functional Requirements

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration & Login	Users can register and log in using email and password.
FR-2	Appointment Booking	Users can view available doctors, select a date and time, and book appointments.
FR-3	Appointment Management	Users can view, edit, and cancel their appointments.
FR-4	Real-Time Availability	The system displays real-time availability of doctors for selected dates.
FR-5	Automated Notifications	Users receive SMS and email notifications for upcoming appointments.
FR-6	Telehealth Consultation Options	Users can book telehealth appointments with available doctors.
FR-7	User Feedback System	Users can provide feedback and ratings for their healthcare providers after appointments.
FR-8	Admin Dashboard	Admins can manage user

		accounts, view appointment statistics, and handle user queries.

3. Non-Functional Requirements

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The app should have an intuitive and user-friendly interface, ensuring smooth navigation for all users.
NFR-2	Security	User authentication and data must be secured using encryption (e.g., HTTPS, OAuth for third-party logins). The app should prevent unauthorized access.
NFR-3	Reliability	The app should ensure a consistent and uninterrupted experience, minimizing crashes and downtime.
NFR-4	Performance	The app should respond to user interactions (search, booking, management) within 2 seconds.
NFR-5	Availability	The system should maintain an uptime of at least 99.9%, ensuring accessibility across different time zones.
NFR-6	Scalability	The application should handle increasing numbers of users and concurrent appointments efficiently without performance degradation.

4. User Stories

As a Patient:

I want to register and log in to my account so that I can manage my appointments.

I want to view available doctors and their schedules so that I can book an appointment at my convenience.

I want to receive reminders for my appointments so that I do not forget them.

I want to provide feedback on my experience with the doctor after my appointment.

As a Doctor:

I want to manage my availability so that patients can book appointments during my free time.

I want to view my upcoming appointments so that I can prepare for each patient.

I want to receive feedback from patients to improve my services.

As an Admin:

I want to manage user accounts to ensure that all information is accurate and up-to-date.

I want to view appointment statistics to understand user engagement and improve services.

I want to handle user queries and issues to ensure a smooth user experience.

5. Acceptance Criteria

Users can successfully register and log in to their accounts.

Users can view available doctors and book appointments without errors.

Users receive timely notifications for their appointments.

Admins can manage user accounts and view appointment statistics without issues.

6. Next Steps

Development: Begin the development of the application based on the outlined requirements.

Testing: Conduct thorough testing, including unit tests, integration tests, and user acceptance testing.

Deployment: Prepare for deployment and create a marketing plan to promote the application to target users.