

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	27-06-2025
Team ID	LTVIP2025TMID58589
Project Name	Docspot: Seamless Appointment Booking For Health
Maximum Marks	4 Marks

Functional Requirements:

Below are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Authentication	Sign up, Login, Password Reset Role-based access for Patient, Doctor, Admin
FR-2	Doctor Profiles	Add/Edit/View doctor profiles with experience, specialization, timings, and consultation fees.
FR-3	Search & Filters	Filter doctors by name, specialization, availability, rating, location, or language preference.
FR-4	Appointment Booking	Send appointment requests. Accept/Reschedule/Cancel. View booking status.
FR-5	Consultation & Communication	In-app chat or video link generation for virtual consultation. Appointment summary notes.
FR-6	Admin Panel	Admin reviews doctor applications, verifies documents, monitors bookings and platform activities.

Non-functional Requirements:

Below are the non-functional requirements of the proposed solution.

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	UI should be intuitive for all roles:patient, doctor, and admin.
NFR-2	Security	Secure login via JWT, encrypted data transmission, and role-based access control.
NFR-3	Reliability	Appointment and profile data must remain consistently available.
NFR-4	Performance	Searching and booking should be responsive (<2 seconds latency)..
NFR-5	Availability	99.9% uptime with alert-based monitoring
NFR-6	Scalability	System should handle growing doctor and patient base without degradation in performance.