Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	20 February 2026
Team ID	LTVIP2026TMIDS56110
Project Name	DocSpot – Online Doctor Appointment Booking System
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form (Name, Email, Password) Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login & Authentication	Login using Email & PasswordJWT Authentication Password Reset Option
FR-4	Doctor Profile Management	Add Doctor Details (Specialization, Experience, Fees) Update Profile Upload Profile Image
FR-5	Search & Filter Doctors	Search by Specialization Search by Location Filter by Availability
FR-6	Appointment Booking	Select Doctor Choose Date & Time Slot Book Appointment View Booking Confirmation
FR-7	Appointment Management	Cancel Appointment Reschedule Appointment View Appointment History
FR-8	Admin Dashboard	Manage Users Manage Doctors View Appointments Approve/Reject Doctor Profiles

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should have a simple, user-friendly interface that is easy to navigate for patients and doctors.

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NFR-2	Security	User data must be protected using encryption, JWT authentication, and secure password storage.
NFR-3	Reliability	The system should function correctly without failures during booking or login processes.
NFR-4	Performance	The application should load pages within 2–3 seconds and handle multiple users efficiently.
NFR-5	Availability	The system should be accessible 24/7 with minimal downtime.
NFR-6	Scalability	The system should support increasing numbers of users and appointments without performance issues.

The functional requirements define what the system should do, while the non-functional requirements define how well the system should perform. Together, they ensure that DocSpot is efficient, secure, reliable, and user-friendly.