

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

Date	3 December 2025
Team ID	
Project Name	Medifolio - Doctor Booking Appointment System
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

Functional Requirements – Medifolio - Doctor Booking Appointment system

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User & Admin Authentication	User/Admin Sign Up, Login, Password Reset
		Role-based login (User / Admin)
FR-2	Doctor Discovery	Users can browse and search approved doctors
		Filter doctors by specialization, location, and availability
FR-3		Users can book appointments with preferred doctors

	Appointment Booking	
		Upload medical documents during booking
		Receive booking confirmation and notifications
FR-4	Doctor Application Management	Users can apply to become a doctor
		Admin reviews, approves, or rejects doctor requests
FR-5	Schedule & Appointment Handling	Doctors update available timings
		Doctors approve/reject appointment requests
FR-6	Admin Management	Admin can view/manage doctors and users
		Admin manages doctor availability and application status
FR-7		

	Appointment History	Users can view past and upcoming appointment details
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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 provide a simple, clean, and accessible interface for all users.
NFR-2	Security	All sensitive data must be encrypted. Implement role-based access, secure authentication, and protected APIs.
NFR-3	Reliability	

		Appointment booking, notifications, and doctor management should work consistently under all conditions.
NFR-4	Performance	Pages should load quickly; appointment actions and notifications must be near-instant.
NFR-5	Availability	The platform should be available 24/7 with 99.9% uptime.
NFR-6	Scalability	The system must handle increasing users, appointments, and doctor requests without performance issues.

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