

**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

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

	<b>Appointment History</b>	Users can view past and upcoming appointment details
--	----------------------------	--

### 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	

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

--	--	--