Requirement Gathering and Analysis Phase

Date: 15/04/2025

Team ID: SWTID1743520385

Project Name: Book a Doctor Platform

Maximum Marks: —

# Functional Requirements

Following are the functional requirements of the proposed solution.

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| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
| FR-1 | User Registration | Registration through form Registration through Google |
| FR-2 | User Login | Login through email/password form |
| FR-3 | Doctor Search & Filter | Filter by specialty, location, availability |
| FR-4 | Appointment Booking | Date/time selection Calendar integration Booking confirmation |
| FR-5 | Doctor Dashboard | View/manage appointments Update profile/schedule |
| FR-6 | Admin Control | Manage users Oversee appointment logs Delete users or doctors |

# Non-functional Requirements

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

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| --- | --- | --- |
| FR No. | Non-Functional Requirement | Description |
| NFR-1 | Usability | Platform should be responsive, intuitive, accessible, and mobile-friendly. |
| NFR-2 | Security | Use HTTPS, JWT tokens, access control, and secure password handling. |
| NFR-3 | Reliability | System should support backup, error logging, and consistent uptime. |
| NFR-4 | Performance | 95% of pages should load within 2s, API latency < 200ms. |
| NFR-5 | Availability | Ensure 99.9% uptime with minimal scheduled downtime. |
| NFR-6 | Scalability | Support growing user base via horizontal scaling and modular architecture. |