Requirement Gathering and Analysis Phase

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Team ID: SWTID1743520385

Project Name: Book a Doctor Platform

Maximum Marks: —

# Data Flow Diagram (DFD)

A Data Flow Diagram (DFD) is a visual representation of the flow of information within a system. In the Book a Doctor platform, the DFD captures how patients, doctors, and admins interact with the system, and how data flows between interfaces like login, search, appointment booking, and dashboards.  
  
Key components in our DFD:  
1. Patient inputs details to register and book appointments.  
2. Doctor inputs available slots and manages profile.  
3. Admin monitors system and manages users.  
4. Database stores doctor profiles, appointment records, and patient data.  
5. Interfaces like login, search, and calendar ensure real-time user interaction.

📌 (Note: Diagram to be added manually or generated externally using tools like Lucidchart, draw.io, or MS Visio.)



# User Stories

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance Criteria | Priority / Release |
| Patient | Registration | USN-1 | As a patient, I can register with email and password to access the platform. | I can log in and view the dashboard. | High / Sprint-1 |
| Patient | Email Confirmation | USN-2 | As a patient, I will receive a confirmation email after registering. | I receive and confirm via email. | High / Sprint-1 |
| Patient | Google Sign-Up | USN-3 | As a patient, I can register using my Google account. | I can sign up using Gmail. | Medium / Sprint-1 |
| Patient | Login | USN-4 | As a patient, I can log in using my credentials. | I’m redirected to my dashboard. | High / Sprint-1 |
| Patient | Doctor Browsing | USN-5 | As a patient, I can search and browse doctors by specialty or location. | Relevant doctor list is displayed. | Medium / Sprint-2 |
| Patient | Appointment Booking | USN-6 | As a patient, I can book appointments and receive confirmations. | I can view my booked slots. | High / Sprint-2 |
| Doctor | Profile Management | USN-7 | As a doctor, I can edit my profile and set availability. | Availability calendar is updated. | Medium / Sprint-2 |
| Doctor | Appointment View | USN-8 | As a doctor, I can view appointments scheduled by patients. | Appointments appear on my dashboard. | High / Sprint-2 |
| Admin | User Monitoring | USN-9 | As an admin, I can monitor users and their activities. | User reports are generated. | Medium / Sprint-3 |
| Admin | Content Management | USN-10 | As an admin, I can remove or flag inappropriate content. | Content moderation tools are available. | Medium / Sprint-3 |