

Project Design Phase-II

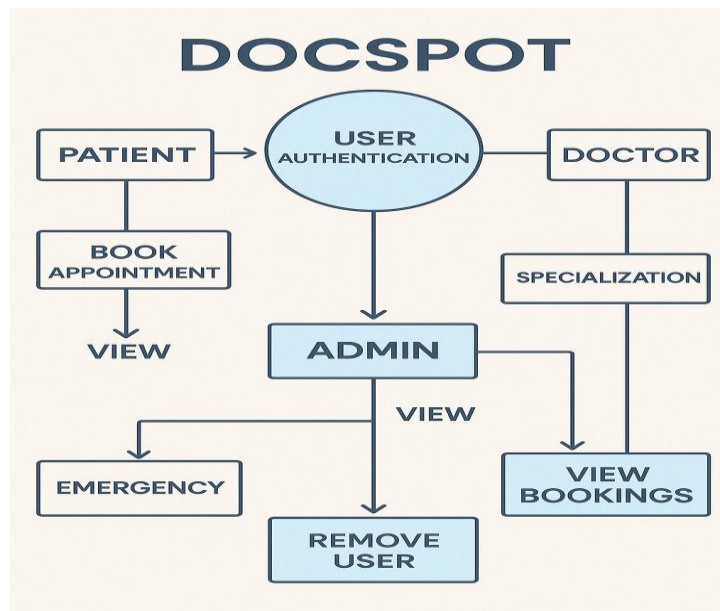
Data Flow Diagram & User Stories

Date	26-05-2025
Team ID	LTVIP2025TMID58998
Project Name	DocSpot: Seamless appointment Booking for Health
Maximum Marks	4 Marks

Data Flow Diagrams:

A **Data Flow Diagram (DFD)** illustrates how data moves within the Freelance Finder platform. It captures how users (freelancers and clients) interact with the system, how information flows between different components, and where the data is stored.

Example: DFD Level 0 (Industry Standard)



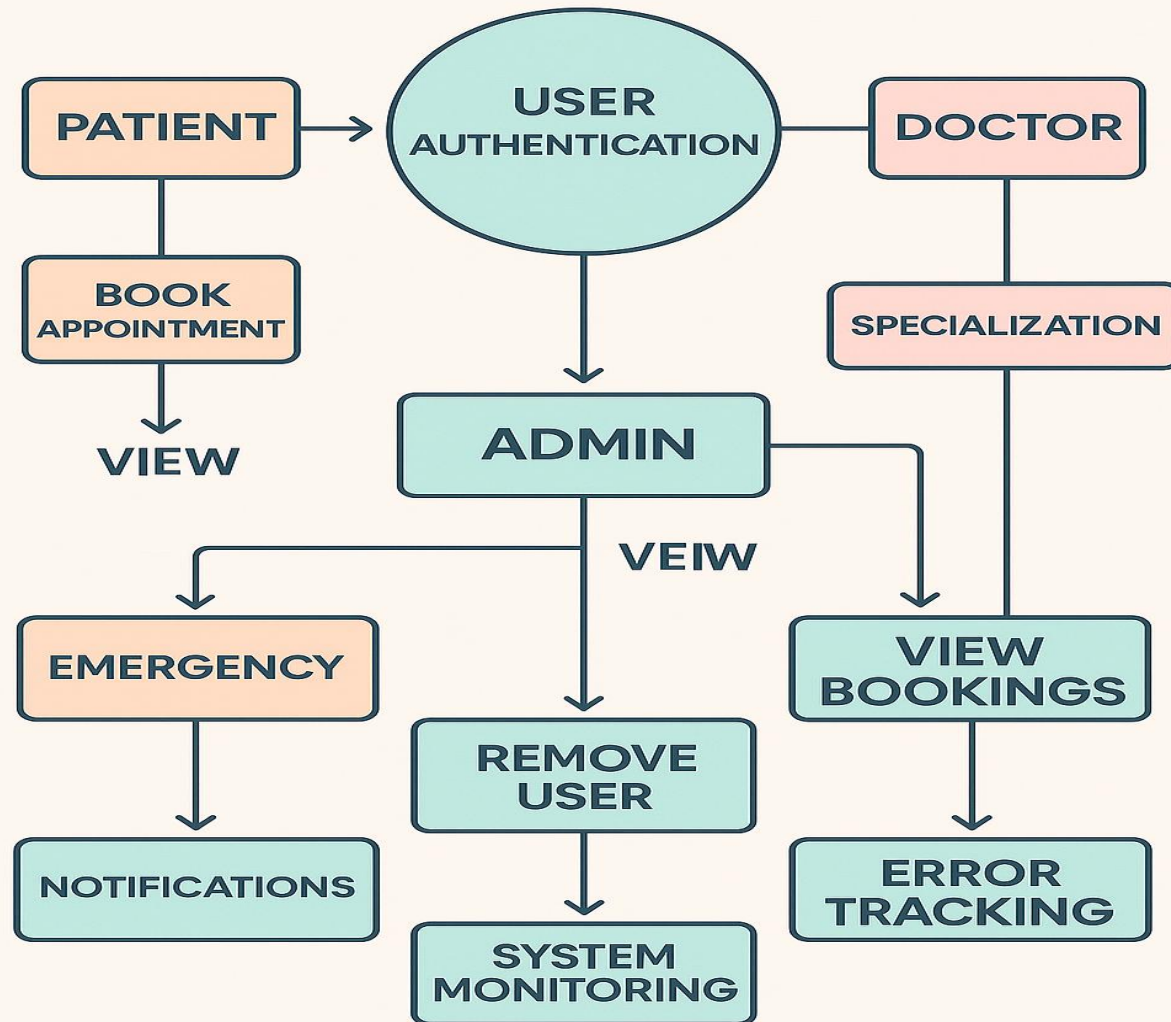
User Stories

User Story Table – DocSpot

User Type	Functional Requirement (Epic)	User Story / Task	Acceptance Criteria	Priority	Release
Patient	Appointment Booking	As a patient, I can search for doctors by specialty and location.	Search results return relevant doctors.	High	Sprint-1
		As a patient, I can book, reschedule, or cancel appointments.	Appointment status updates accordingly.	Medium	Sprint-2
Healthcare Provider	Schedule Management	As a provider, I can manage my availability calendar.	Changes reflect immediately in patient booking system.	High	Sprint-1

User	Messaging	As a user, I can chat with the other party in real-time.	Messages appear instantly.	Medium	Sprint-2
Admin	Profile Management	As a Admin, I can update my profile.	Changes are saved successfully.	High	Sprint-2
Client	Payment Processing	As a client, I can make secure payments after job completion.	Payment recorded and shown in transaction history.	High	Sprint-2
user	Review System	As a user, I can leave a review after project closure.	Review appears on profile.	Medium	Sprint-2
Admin	User Moderation	As an admin, I can review reported users and take action.	Reports and actions logged.	High	Sprint-1

DOCSPOT



Data Flow Diagram (Level 0)

This Level 0 DFD represents the high-level interactions between users and major subsystems of DocSpot, with a new structure and more detailed process flows.

External Entities (Actors):

- Patient
- Healthcare Provider
- User (Generic: includes patient, client, etc.)
- Admin
- Client

Processes:

1. Appointment Booking System
2. Schedule Management
3. Review and Messaging System
4. Profile & User Moderation System
5. Payment & Transaction System

Data Stores:

- D1: Doctor Directory
- D2: Schedule DB
- D3: Message Log

- D4: User Data Store
- D5: Payment Records
- **Data Flow Description:**
- The Patient interacts with the Appointment Booking System, providing search queries and booking details. The system pulls doctor data from Doctor Directory (D1).
- The Healthcare Provider updates availability through the Schedule Management process, which stores availability in Schedule DB (D2).
- Users can chat and leave reviews via the Review and Messaging System, which stores data in Message Log (D3).
- Admin can update profiles and moderate users via the Profile & Moderation System, updating User Data Store (D4)
- Clients perform payments via the Payment System, which records transactions in Payment Records (D5).

User Stories Summary

1. Patient

- **Search and Book Appointments**

As a patient, I can search for doctors by specialty and location.

Acceptance: Relevant doctors appear.

Priority: High (Sprint-1)

- **Manage Appointments**

As a patient, I can book, reschedule, or cancel appointments

Acceptance: Status updates reflect properly.

Priority: Medium (Sprint-2)

2. Healthcare Provider

- **Calendar Management**

As a provider, I can manage my availability calendar.

Acceptance: Changes reflect in the booking system immediately.

Priority: High (Sprint-1)

3. User (General)

- **Messaging**

As a user, I can chat with the other party in real-time

Acceptance: Messages appear instantly.

Priority: Medium (Sprint-2)

- **Review System**

As a user, I can leave a review after project closure.

Acceptance: Review is displayed on the profile.

Priority: Medium (Sprint -2)

4. Admin

- **Profile Management**

As an admin, I can update my profile.

Acceptance: Changes are saved successfully.

- **User Moderation**

As an admin, I can review reported users and take action.

Acceptance: Reports and actions are logged.

Priority: High (Sprint-1)

5. Client

- **Payment Processing**

As a client, I can make secure payments after job completion.

Acceptance: Payment is recorded and shown in history.