Data Flow Diagram & User Stories

Date	03 February 2026
Team ID	LTVIP2026TMIDS24613
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.

As a Patient, I want to:

- Register and log in securely so I can access my appointments.
- Search for doctors based on specialty, location, and availability to find the right match for my needs.
- Book an appointment by choosing a convenient time and uploading my medical reports.
- View my booking history and track the status of upcoming appointments.
- Reschedule or cancel appointments if my plans change.
- Receive reminders for my upcoming visits via SMS or email.
- Leave a review after my consultation to share my experience.
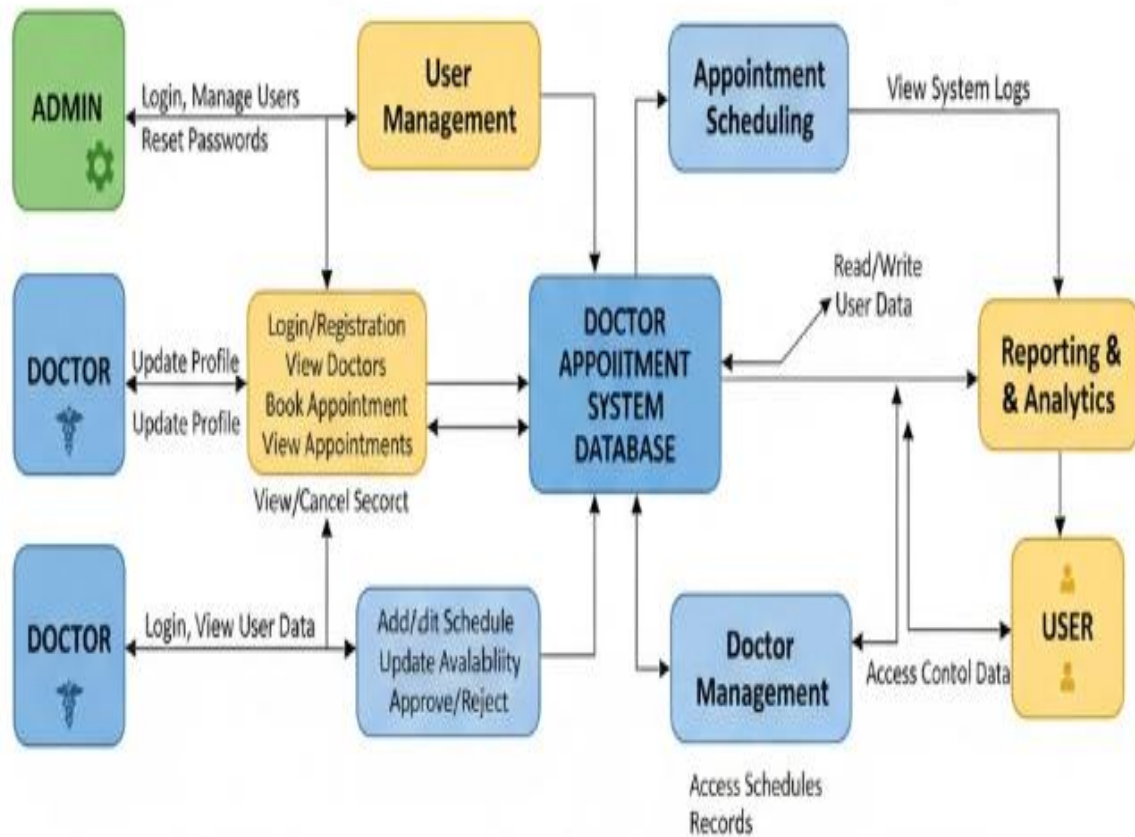
As a Doctor, I want to:

- Register and create a professional profile with specialization and experience details.
- Set my available time slots so patients can book accordingly.
- View appointment requests and confirm or reject them.
- Access uploaded patient documents before the consultation.
- Add visit notes or digital prescriptions for future reference.
- Manage my daily schedule from a personal dashboard.

As an Admin, I want to:

- Review and approve doctor registrations to maintain platform integrity.
- Monitor bookings and user activity from an admin dashboard.
- Remove or suspend users in case of rule violations or issues.
- View platform analytics like appointment volume or doctor activity.
- Handle user disputes or flagged bookings efficiently.

DATA FLOW DIAGRAM: DOCTOR APPOINTMENT WEBSITE

User Stories – DocSpot Appointment Booking App

User Role	User Story ID	User Story
Patient	US-P1	As a patient, I want to register and log in securely so I can manage my appointments.
Patient	US-P2	As a patient, I want to search for doctors by specialty and location to find the right one.
Patient	US-P3	As a patient, I want to book appointments with available doctors based on my preferred time.
Patient	US-P4	As a patient, I want to upload medical documents during booking so doctors are better prepared.
Patient	US-P5	As a patient, I want to receive reminders so I don't miss my appointments.
Patient	US-P6	As a patient, I want to cancel or reschedule appointments when needed.
Patient	US-P7	As a patient, I want to leave a review after my appointment to share feedback.
Doctor	US-D1	As a doctor, I want to register and set up my profile including specialization and fees.
Doctor	US-D2	As a doctor, I want to manage my availability to control when patients can book me.
Doctor	US-D3	As a doctor, I want to view and approve or reject appointment requests.
Doctor	US-D4	As a doctor, I want to view patient-uploaded documents to prepare for consultations.
Doctor	US-D5	As a doctor, I want to provide digital prescriptions or consultation summaries after appointments.
Admin	US-A1	As an admin, I want to review and approve doctor registrations for platform safety.
Admin	US-A2	As an admin, I want to manage users and resolve disputes efficiently.
Admin	US-A3	As an admin, I want to monitor platform activity through an oversight dashboard.