

Project Design Phase-II

Data Flow Diagram & User Stories

Date	17 July 2025
Team ID	LTVIP2025TMID54894
Project Name	DocSpot: Seamless Appointment Booking for Health
Maximum Marks	4 Marks

DocSpot - Data Flow Diagram Description

External Entities:

- User (Patient): Registers, logs in, books/cancels appointments, views doctors and visit summaries.
- Doctor: Registers, updates profile, views appointments, adds visit summaries.
- Admin: Approves doctor registrations, manages data.

Main Processes:

1. User Registration & Login
 - Captures and verifies user credentials.
 - Sends confirmation email.
 - Allows login to dashboard.
2. Doctor Registration
 - Accepts doctor details and stores for admin approval.
 - Admin approves doctor before activation.
3. Appointment Booking
 - Patient selects doctor, date, and time.

- Data is stored in the appointments collection.
- Notifications are generated for both parties.

4. Profile Management

- Users and doctors can update their profile.
- Doctors can upload profile pictures.

5. Visit Summaries

- Doctors can submit visit notes post consultation.
- Patients can view summaries from their dashboard.

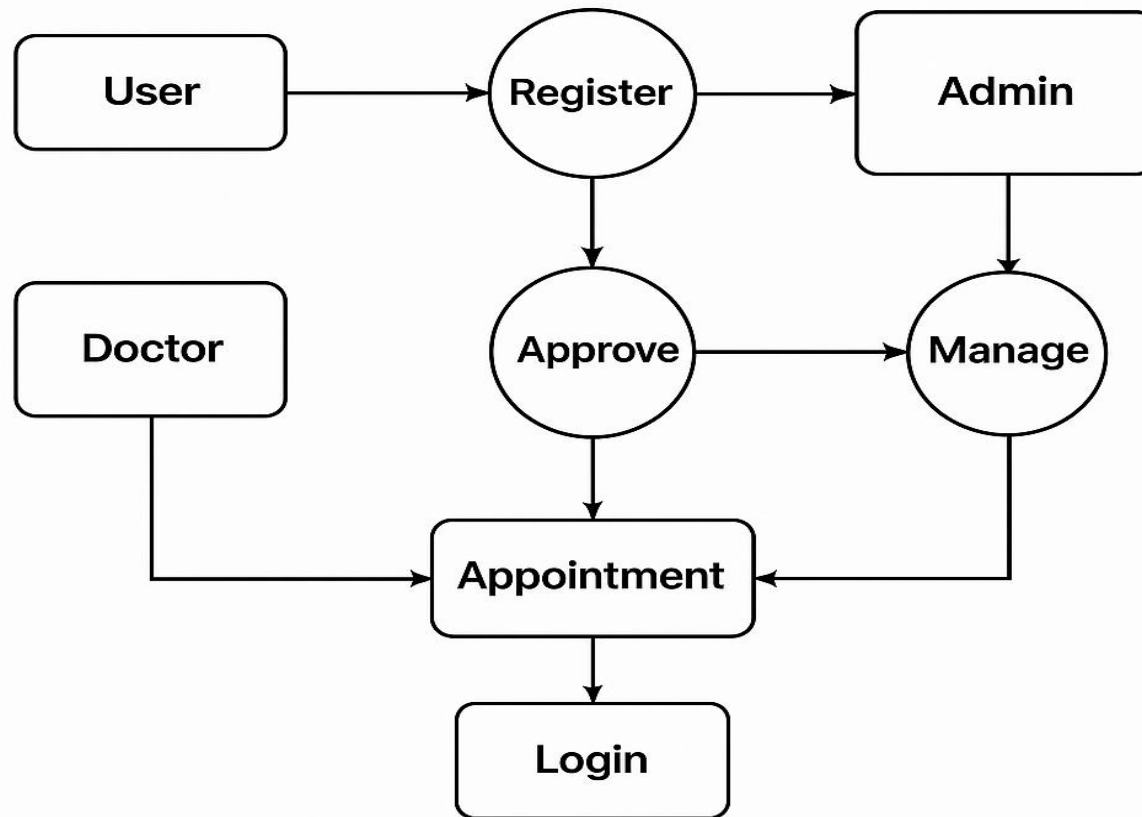
Data Stores:

- Users Collection: Stores patient and doctor login data.
- Doctor Profiles: Contains doctor details (e.g., specialization, fees).
- Appointments DB: Holds appointment status, schedule, and feedback.
- Notifications: Stores pending and read notifications.

Data Flow Diagrams:

Data Flow Diagram

DocSpot



User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register using Gmail and access my dashboard	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	Successful login redirects me to dashboard	High	Sprint-1
	Dashboard	USN-6	As a user, I can view available doctors and their profiles.	Doctors' info is visible with profile, ratings, and specialization	High	Sprint-2
	Book Appointment	USN-7	As a user, I can book an appointment with a doctor.	Appointment is saved and notification is received	High	Sprint-2
	Cancel Appointment	USN-8	As a user, I can cancel an existing appointment.	Appointment status is updated to "Cancelled"	Medium	Sprint-3
	Notifications	USN-9	As a user, I can view appointment status updates and reminders	Notifications appear for booked/rescheduled/cancelled appointments	Medium	Sprint-3
	View Visit Summary	USN-10	As a user, I can view visit summaries after appointments	Visit summary appears under my appointment history	Medium	Sprint-4

