

Project Design Phase-II

Data Flow Diagram & User Stories

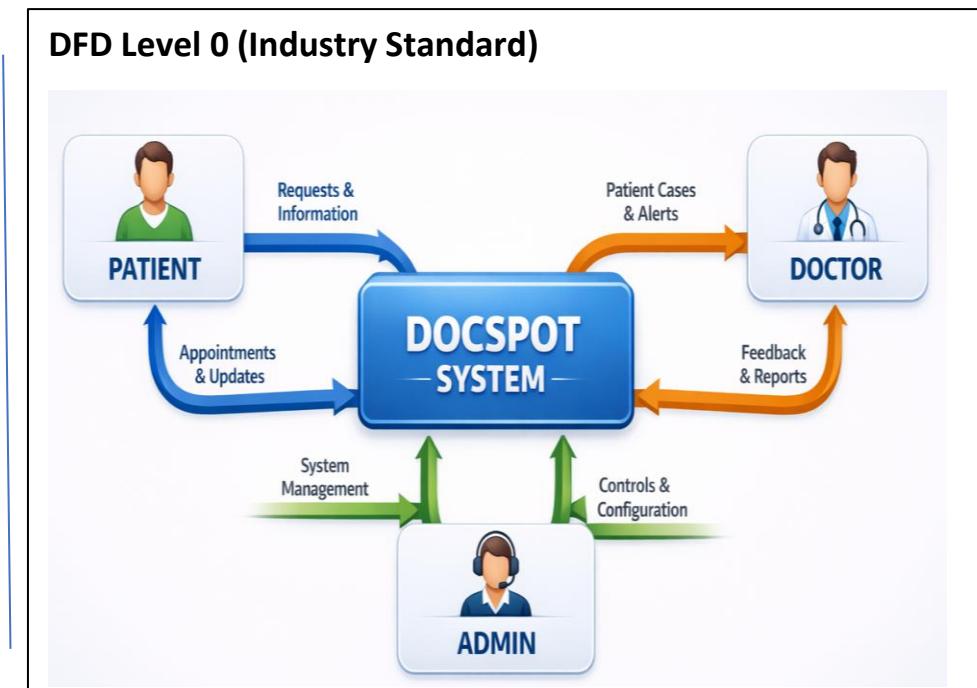
Date	16 February 2026
Team ID	LTVIP2026TMIDS35442
Project Name	DocSpot: Seamless Appointment Booking for Health
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

External Entities:

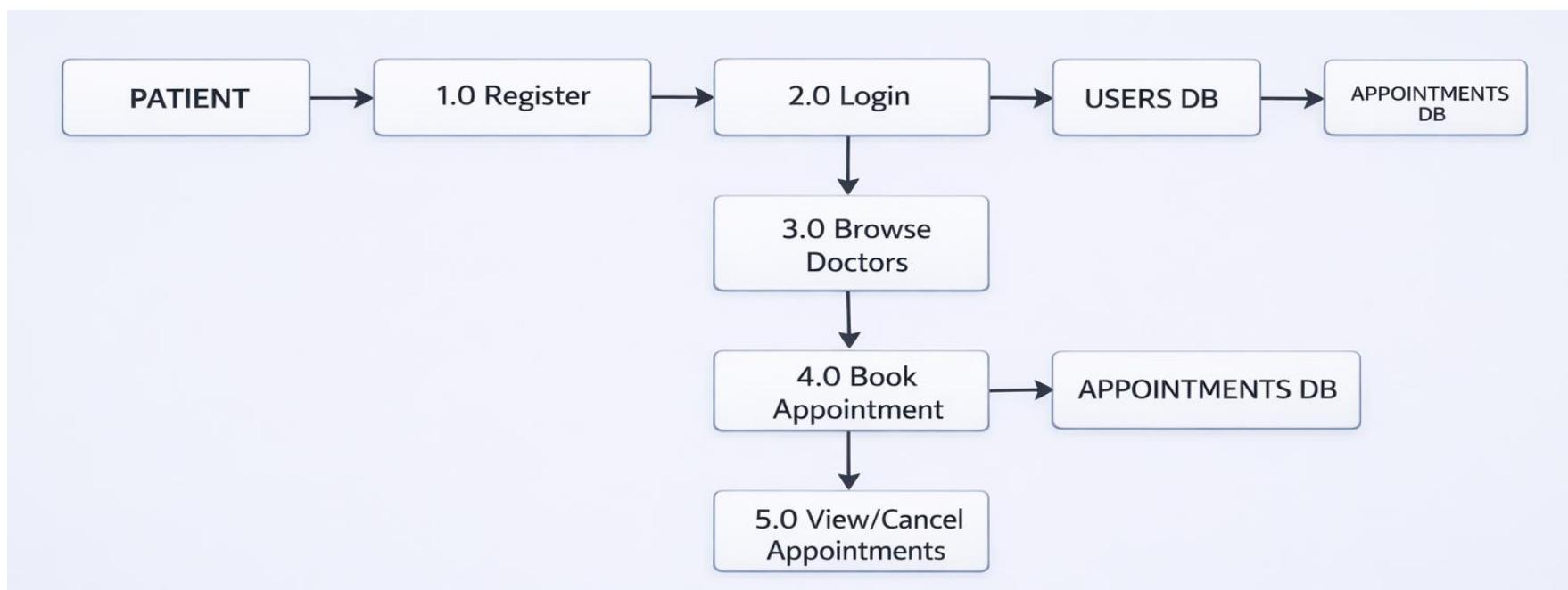
1. Patient - Books and manages appointments
2. Doctor - Manages schedule and appointments
3. Admin - Verifies doctors and monitors platform



Level 1 DFD - Patient Processes

Processes:

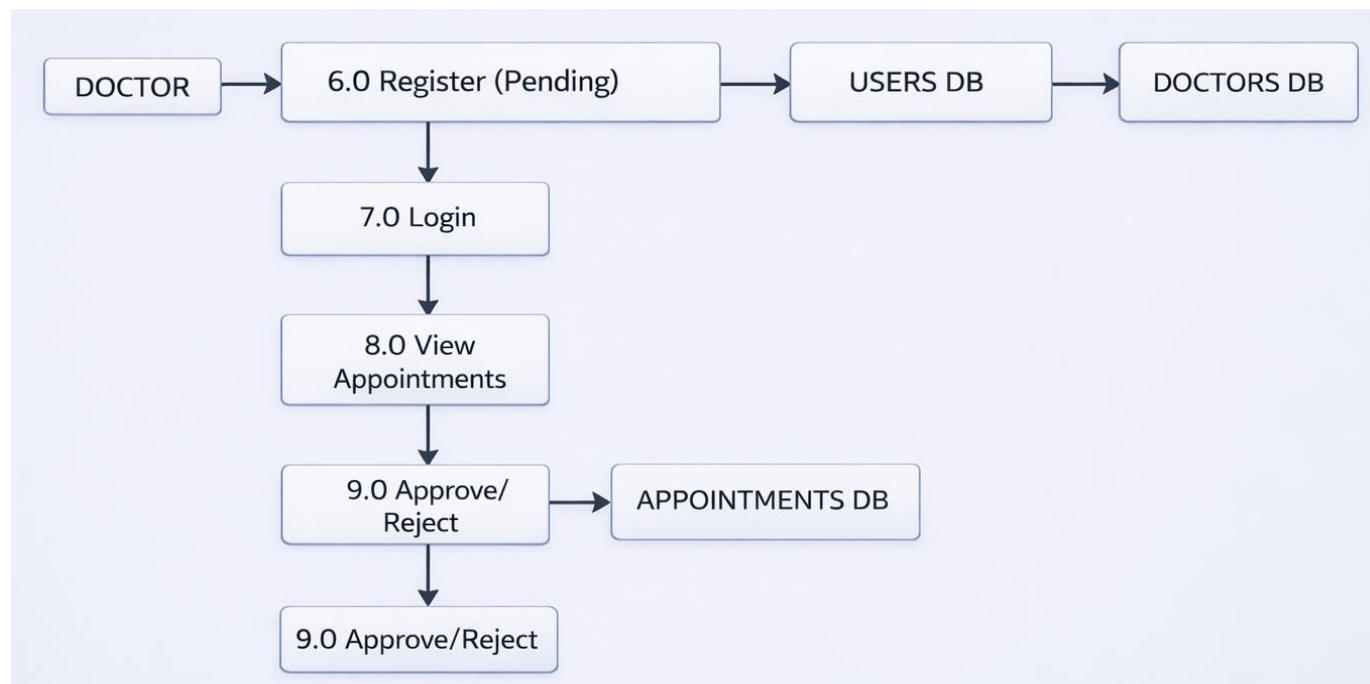
1. 1.0 Register - Patient creates account with email/password
2. 2.0 Login - Patient authenticates using credentials
3. 3.0 Browse Doctors - Search and filter doctors by specialization
4. 4.0 Book Appointment - Select date/time and book
5. 5.0 View/Cancel Appointments - Manage existing bookings



Level 1 DFD - Doctor Processes

Processes:

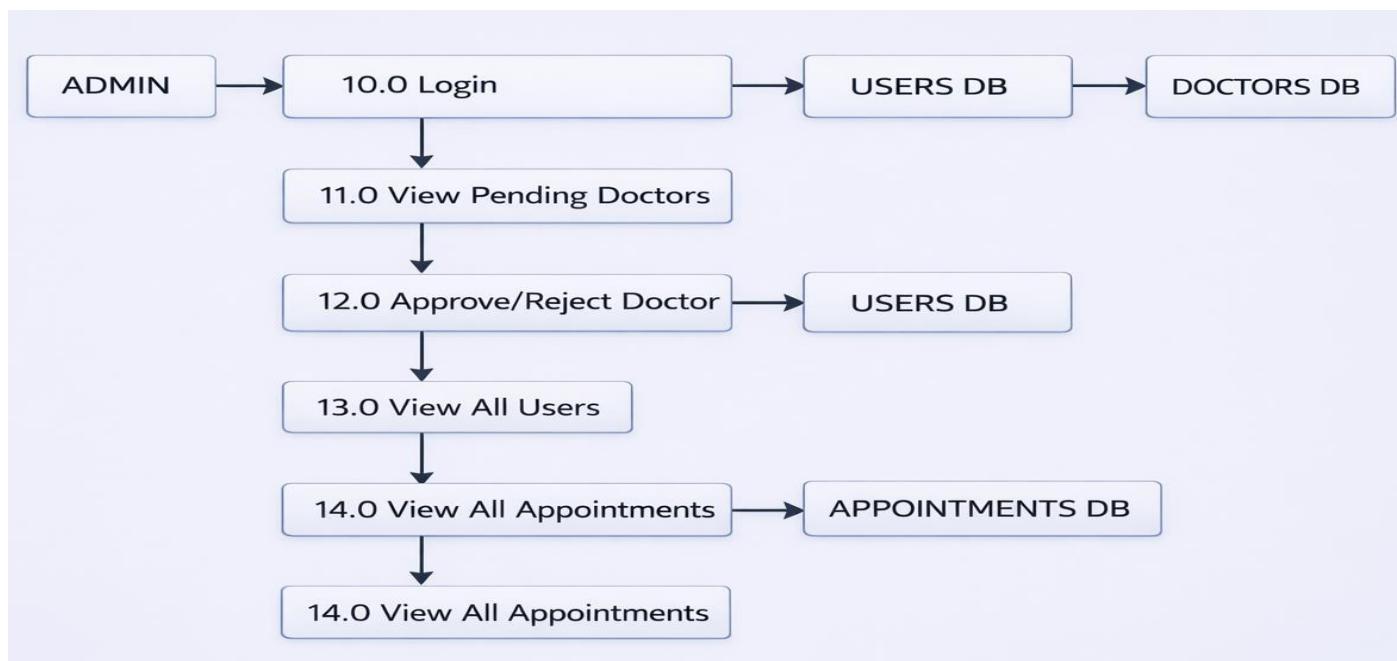
6. 6.0 Register (Pending) - Doctor applies with pending status
7. 7.0 Login - Doctor authenticates
8. 8.0 View Appointments - See all appointment requests
9. 9.0 Approve/Reject - Update appointment status



Level 1 DFD - Admin Processes

Processes:

- 10.10.0 Login - Admin authenticates
- 11.11.0 View Pending Doctors - See doctor applications
- 12.12.0 Approve/Reject Doctor - Update doctor status
- 13.13.0 View All Users - Monitor platform users
- 14.14.0 View All Appointments - Overview of all bookings



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
Patient	Registration	US-P-01	As a patient, I can register using my email, password, and phone number	I can access my dashboard after registration	High	Sprint-1
	Login	US-P-02	As a patient, I can log in using my email and password	I am redirected to my dashboard	High	Sprint-1
	Browse Doctors	US-P-03	As a patient, I can view all approved doctors with their specializations	List of doctors displays with names and 5-4+ /*specialties	High	Sprint-1
		US-P-04	As a patient, I can filter doctors by specialization	Only doctors of selected specialty are shown	High	Sprint-1
		US-P-05	As a patient, I can view doctor details including fees and experience	Doctor profile shows complete information	High	Sprint-1
	Book Appointment	US-P-06	As a patient, I can select a date and time to book an appointment	Date picker and time slots are available	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
		US-P-07	As a patient, I can upload medical documents while booking	Files can be uploaded and attached to appointment	Medium	Sprint-1
		US-P-08	As a patient, I receive confirmation after booking	Success message with appointment details appears	High	Sprint-1
	Manage Appointments	US-P-09	As a patient, I can view all my appointments in history	My Appointments page shows all bookings	High	Sprint-1
		US-P-10	As a patient, I can see appointment status (pending/approved/rejected)	Status badges clearly indicate current state	High	Sprint-1
		US-P-11	As a patient, I can cancel my pending appointment	Appointment status changes to "cancelled"	High	Sprint-1
	Profile	US-P-12	As a patient, I can update my profile information	Changes are saved successfully	Medium	Sprint-1
	Logout	US-P-13	As a patient, I can securely logout	Session ends and I am redirected to home	High	Sprint-1
Doctor	Registration	US-D-01	As a doctor, I can register with my details (name, email, phone, specialization)	Account is created with "pending" status	High	Sprint-1
	Login	US-D-02	As a doctor, I can log in using my email and password	I am redirected to doctor dashboard	High	Sprint-1
	Profile Management	US-D-03	As a doctor, I can complete my profile with qualifications and experience	Profile information is saved	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
		US-D-04	As a doctor, I can set my consultation fees	Fees are displayed in my profile	High	Sprint-1
		US-D-05	As a doctor, I can set my available timings for each day of week	Timings are saved and displayed	High	Sprint-1
	Appointment Management	US-D-06	As a doctor, I can view all appointment requests	List of appointments with patient details is shown	High	Sprint-1
		US-D-07	As a doctor, I can approve pending appointments	Status updates to "approved" and patient is notified	High	Sprint-1
		US-D-08	As a doctor, I can reject appointments I cannot accommodate	Status updates to "rejected"	High	Sprint-1
		US-D-09	As a doctor, I can mark completed appointments	Status updates to "completed"	Medium	Sprint-1
	Dashboard	US-D-10	As a doctor, I can see counts of pending/approved/completed appointments	Dashboard shows statistics	Medium	Sprint-1
	Logout	US-D-11	As a doctor, I can securely logout	Session ends and I am redirected to home	High	Sprint-1
Admin	Login	US-A-01	As an admin, I can log in with my credentials	I am redirected to admin dashboard	High	Sprint-1
	Doctor Management	US-A-02	As an admin, I can view all pending doctor applications	List of pending doctors is displayed	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
		US-A-03	As an admin, I can view complete doctor details for verification	Doctor profile with all information is shown	High	Sprint-1
		US-A-04	As an admin, I can approve qualified doctors	Doctor status updates to "approved"	High	Sprint-1
		US-A-05	As an admin, I can reject unqualified doctors	Doctor status updates to "rejected"	High	Sprint-1
	User Management	US-A-06	As an admin, I can view all registered users	List of patients and doctors is displayed	Medium	Sprint-1
	Appointment Oversight	US-A-07	As an admin, I can view all appointments on the platform	Complete appointment list is displayed	Medium	Sprint-1
		US-A-08	As an admin, I can filter appointments by status	Filtered results are shown	Medium	Sprint-1
	Dashboard	US-A-09	As an admin, I can see platform statistics (total users, doctors, appointments)	Dashboard shows key metrics	High	Sprint-1
		US-A-10	As an admin, I can see pending approvals count	Dashboard shows pending doctors count	High	Sprint-1
	Logout	US-A-11	As an admin, I can securely logout	Session ends and I am redirected to home	High	Sprint-1