

Project Design Phase-II

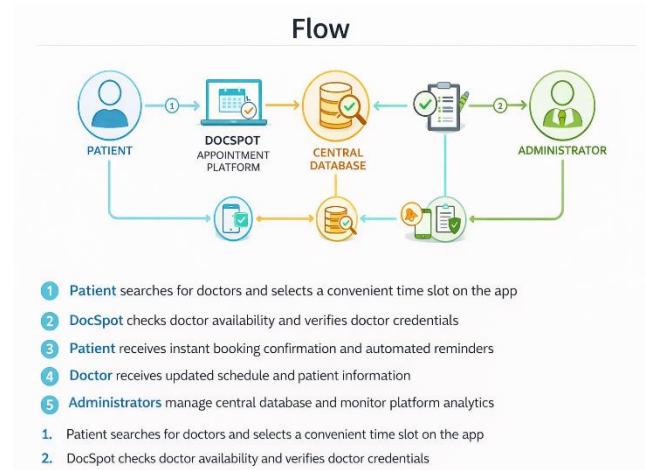
Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	LTVIP2026TMIDS88461
Project Name	DocSpot — Seamless Appointment Booking for Health
Maximum Marks	4 Marks

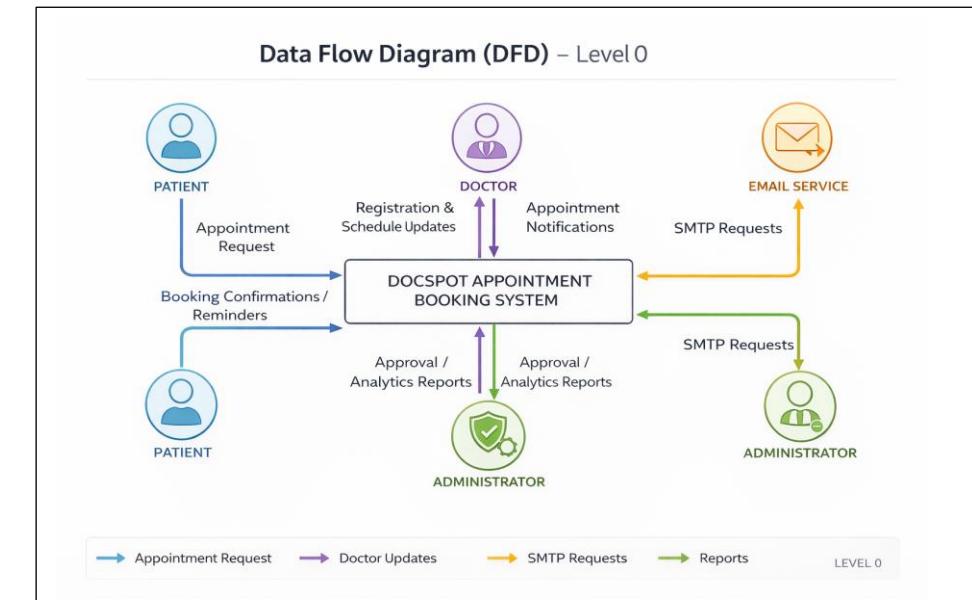
Data Flow Diagrams:

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.

Example: (Simplified)



Example: DFD Level 0 (Industry Standard)



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer (Mobile)	Registration	USN-1	As a user, I can register using email and password.	User account is created and dashboard is accessible.	High	Sprint-1
Customer (Mobile)	Login	USN-2	As a user, I can log in using valid credentials.	User is redirected to dashboard after authentication.	High	Sprint-1
Customer (Mobile)	Password Reset	USN-3	As a user, I can reset my password via email.	Password reset link is sent and new password is saved successfully.	High	Sprint-1
Customer (Mobile)	Profile Management	USN-4	As a user, I can view and update my profile details.	Updated information is saved in database and reflected in UI.	High	Sprint-1
Customer (Mobile)	Doctor Search	USN-5	As a user, I can search doctors by specialization or location.	Relevant doctors are displayed based on search filters.	High	Sprint-1
Customer (Mobile)	Doctor Profile	USN-6	As a user, I can view doctor details including qualification and fees.	Doctor profile displays correct and complete information.	High	Sprint-1
Customer (Mobile)	Appointment Booking	USN-7	As a user, I can book an appointment with an available time slot.	Appointment is created and confirmation message is shown.	High	Sprint-1
Customer (Mobile)	Appointment Management	USN-8	As a user, I can reschedule or cancel my appointment.	Appointment status updates correctly and email notification is sent.	High	Sprint-1
Customer (Mobile)	Notifications	USN-9	As a user, I receive email notifications for booking and status updates.	Email is triggered successfully via queue system.	Medium	Sprint-1
Customer (Web)	Advanced Search	USN-10	As a web user, I can apply advanced filters like ratings and availability.	Filtered results display accurately.	Medium	Sprint-2
Doctor	Registration	USN-11	As a doctor, I can apply for registration with credentials upload.	Application status is set to pending approval.	High	Sprint-1
Doctor	Availability Management	USN-12	As a doctor, I can configure working hours and available slots.	Available slots are visible to patients in booking system.	High	Sprint-1

Doctor	Appointment View	USN-13	As a doctor, I can view my scheduled appointments.	Doctor dashboard shows appointments sorted by date.	High	Sprint-1
Doctor	Status Update	USN-14	As a doctor, I can update appointment status (Completed/Cancelled).	Status changes reflect in database and notify patient.	High	Sprint-1
Admin	Doctor Approval	USN-15	As an admin, I can approve or reject doctor applications.	Doctor status updates and email notification is sent.	High	Sprint-1
Admin	User Management	USN-16	As an admin, I can suspend or activate user accounts.	User access is updated immediately in system.	High	Sprint-1
Admin	Appointment Monitoring	USN-17	As an admin, I can view all appointments across the platform.	Admin dashboard displays appointment list with filters.	High	Sprint-1
Admin	Analytics Dashboard	USN-18	As an admin, I can view total users, doctors, and appointment metrics.	Dashboard displays real-time statistics with charts.	Medium	Sprint-2
Admin	Audit Logs	USN-19	As an admin, I can view system audit logs for security tracking.	Logs are searchable and securely stored.	Medium	Sprint-2