Project Design Phase-II
Data Flow Diagram & User Stories

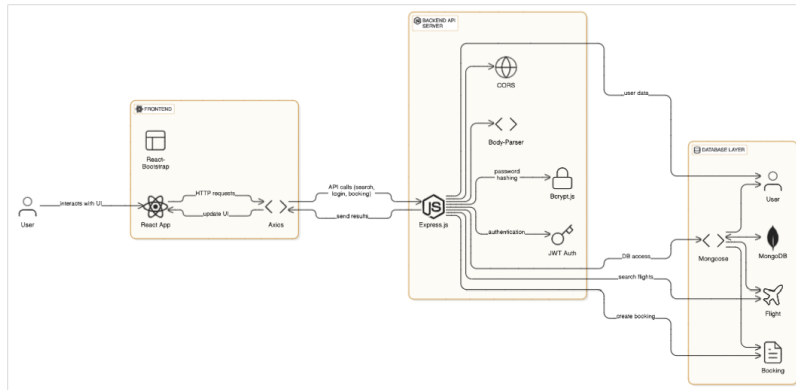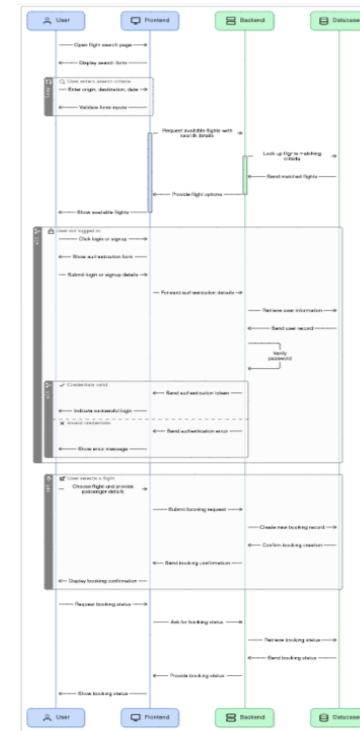| Date	27th June 2025
Team ID	LTVIP2025TMID45514
Project Name	FlightFinder
Maximum Marks	4 Marks

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: DFD Level 0 (Industry Standard)

Example: (Simplified)

Flow
Typical User Flow
User visits frontend and searches for flights

Frontend calls GET /api/flights with origin, destination, date

Backend queries MongoDB, returns matched flights

User logs in or signs up (POST /api/auth)

User books a flight via POST /api/bookings

Backend creates booking in MongoDB linked to userId and flightId

Frontend confirms booking and optionally shows bookingId and status

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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	Login	USN-2	As a user, I can log into the application using email and password	I can access my dashboard after logging in	High	Sprint-1
	Flight Search	USN-3	As a user, I can search for flights based on source, destination, and date	Flights are listed based on search parameters	High	Sprint-2
	Filters & Sorting	USN-4	As a user, I can filter and sort flights by price, duration, or airline	Filtered and sorted results are shown correctly	Medium	Sprint-2
	Booking	USN-5	As a user, I can book a selected flight and receive booking confirmation	Booking is completed and confirmation email is received	High	Sprint-3
	Payment Integration	USN-6	As a user, I can make payments using cards, UPI, or net banking	Payments are processed securely and receipts are generated	High	Sprint-3
	View Bookings	USN-7	As a user, I can view my past and upcoming flight bookings	My bookings are listed under my account section	Medium	Sprint-4
Customer (Web user)	Support Ticket	USN-8	As a support agent, I can respond to user queries and complaints	Tickets can be responded to and resolved via admin dashboard	Medium	Sprint-4
Administrator	Flight Management	USN-9	As an admin, I can add, update, or remove flight listings	Changes reflect in public flight catalog	High	Sprint-4
	User Management	USN-10	As an admin, I can manage user accounts and access levels	I can activate, deactivate, or update user roles	High	Sprint-4