

## Project Design Phase-II

### Data Flow Diagram & User Stories

Team ID	LTVIP2026TMIDS47032
Project Title	Flight finder: navigating your air travel options

#### User Stories - Customer (Mobile User)

Epic	USN	User Story / Release Task	Acceptance Criteria	Priority	
<b>Registration</b>	USN-1	As a user, I can register with email, password, and confirm password.	I can access my account/dashboard after registration.	High	Sprint-1
<b>Registration</b>	USN-2	As a user, I receive a confirmation email after registration.	I can receive and click confirmation email.	High	Sprint-1
<b>Registration</b>	USN-3	As a user, I can register using Facebook.	I can log in via Facebook and access the dashboard.	Low	Sprint-2
<b>Registration</b>	USN-4	As a user, I can register using Gmail.	I can log in via Gmail and access using Gmail. the dashboard.	Medium	
<b>Login</b>	USN-5	As a user, I can log in using email and password.	I can successfully log in and access my account.	High	Sprint-1

## **Additional User Stories** Customer

(Web User):

- **Flight Search**: As a web user, I can search for flights by destination, date, and number of passengers.
- Acceptance: I see a list of available flights matching my criteria.
- Priority: High, Release: Sprint-2
  
- **Booking**: As a web user, I can book a flight and receive an e-ticket.
- Acceptance: I receive a booking confirmation and downloadable e-ticket. - Priority: High, Release: Sprint-2
  
- **Payment**: As a web user, I can pay for my booking via credit card or UPI.
- Acceptance: I see a payment success message and receipt. - Priority: High, Release: Sprint-2
  
- **Booking History**: As a web user, I can view my past flight bookings.
- Acceptance: I can see details of all previous bookings.
- Priority: Medium, Release: Sprint-3

Administrator:

- **User Management**: As an admin, I can view and manage all registered users.
- Acceptance: I can deactivate or delete user accounts. - Priority: High, Release: Sprint-3
  
- **Flight Inventory**: As an admin, I can add, update, or delete flight schedules.
- Acceptance: Flight updates are reflected on the user portal. - Priority: High, Release: Sprint-3
  
- **Reports**: As an admin, I can generate booking and revenue reports.
- Acceptance: I can download or view reports as CSV/PDF. - Priority: Medium, Release: Sprint-4

## Data Flow Diagrams (DFD)

**Definition:**

A Data Flow Diagram visually represents how data flows through the system, including processes, data stores, and external entities. It helps identify how users interact with the system and how data is handled.

**Included Levels:**

- **Level 0 (Context Level):** Depicts the entire system as a single process and shows how external entities interact with it.

- **Level 1 (Simplified): Breaks down major processes like Registration, Login, Booking, Payment, and Ticket Generation.**

### Key Entities:

- **Customer (Mobile/Web)**
- **Customer Care Executive**
- **Administrator Key Processes:**
  - **Registration**
  - **Authentication (Login)**
  - **Flight Search**
  - **Booking and Payment**
  - **Ticket Issuance**
  - **Support and Feedback**

### DFD Level 0 - Flight Ticket Booking System

