**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| Date | 31 January 2025 |
| Team ID | LTVIP2025TMID55660 |
| Project Name | FlightFinder: Navigating Your Air Travel Options |
| 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)**](https://developer.ibm.com/patterns/visualize-unstructured-text/)

Diagram

Description automatically generated

**Diagram, timeline

Description automatically generated**

**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 (Web user)** | **Registration** | **USN-1** | **As a user, I can register on the website by entering name, email, password, and role** | **User is able to create account and gets success message** | **High** | **Sprint-1** |
| **Customer (Web user)** | **Registration** | **USN-2** | **As a user, I will get an error if email is already registered** | **Error message shown for duplicate email** | **High** | **Sprint-1** |
| **Customer (Web user)** | **Login** | **USN-3** | **As a user, I can login using email and password** | **Login success and JWT token is generated** | **High** | **Sprint-1** |
| **Customer (Web user)** | **Flight Search** | **USN-4** | **As a user, I can search flights by From, To, Date** | **Filtered flights should be displayed** | **High** | **Sprint-2** |
| **Customer (Web user)** | **Booking** | **USN-5** | **As a user, I can book tickets for selected flight with passenger details** | **Booking gets saved and shown in My Bookings** | **High** | **Sprint-2** |
| **Customer (Web user)** | **My Bookings** | **USN-6** | **As a user, I can view all my booked flights** | **Bookings listed in My Bookings page** | **High** | **Sprint-3** |
| **Customer (Web user)** | **My Bookings** | **USN-7** | **As a user, I can cancel my booking** | **On cancel, booking is removed and seats updated** | **Medium** | **Sprint-3** |
| **FlightOperator** | **Add Flights** | **USN-8** | **As a FlightOperator, I can add new flights** | **Flight gets added and shows in "My Flights"** | **High** | **Sprint-3** |
| **FlightOperator** | **View My Flights** | **USN-9** | **As a FlightOperator, I can see my added flights** | **List of operator flights is displayed** | **High** | **Sprint-3** |
| **FlightOperator** | **Edit Flight** | **USN-10** | **As a FlightOperator, I can edit details of my flights** | **Flight details update and reflect in listings** | **Medium** | **Sprint-3** |
| **FlightOperator** | **Bookings** | **USN-11** | **As a FlightOperator, I can see bookings on my flights** | **Booking list with passenger details shown** | **Medium** | **Sprint-3** |
| **FlightOperator** | **Users** | **USN-12** | **As a FlightOperator, I can see users who booked my flights** | **User names and emails displayed** | **Medium** | **Sprint-3** |
| **Administrator** | **View Users** | **USN-13** | **As an Admin, I can see all registered users** | **Users list (excluding password) displayed** | **High** | **Sprint-4** |
| **Administrator** | **Approve Operators** | **USN-14** | **As an Admin, I can approve pending flight operators** | **Operator gets approved and can login** | **High** | **Sprint-4** |
| **All Users** | **About Page** | **USN-15** | **As a user, I can view About section describing AirVoyager** | **About content visible on Home page** | **Low** | **Sprint-5** |