**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| Date | 09 June 2025 |
| Team ID | LTVIP2025TMID59290 |
| 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**

**Flight Finder – User Stories**

| **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 using my email and password** | **I can access my dashboard after registering** | **High** | **Sprint-1** |
| **Customer (Mobile user)** | **Registration** | **USN-2** | **As a user, I receive a confirmation email after registration** | **I get an email and can verify my account** | **High** | **Sprint-1** |
| **Customer (Mobile user)** | **Login** | **USN-3** | **As a user, I can log in using my email and password** | **I am redirected to the dashboard after successful login** | **High** | **Sprint-1** |
| **Customer (Mobile user)** | **Flight Search** | **USN-4** | **As a user, I can search for flights using source, destination, and date** | **Relevant flights are shown matching the criteria** | **High** | **Sprint-2** |
| **Customer (Mobile user)** | **Booking** | **USN-5** | **As a user, I can book a flight by entering passenger details and making payment** | **I receive a booking confirmation after successful payment** | **High** | **Sprint-3** |
| **Customer (Mobile user)** | **Booking History** | **USN-6** | **As a user, I can view all my upcoming and previous bookings** | **A list of my booked flights is shown** | **Medium** | **Sprint-3** |
| **Customer (Web user)** | **Live Flight Tracker** | **USN-7** | **As a web user, I can track the live status of a flight** | **Real-time updates on flight status are shown on the web interface** | **Medium** | **Sprint-4** |
| **Admin** | **Flight Management** | **USN-8** | **As an admin, I can add, update, or remove flight schedules** | **Added flights are searchable; removed flights no longer appear in search** | **High** | **Sprint-3** |
| **Admin** | **User Management** | **USN-9** | **As an admin, I can block or delete user accounts** | **The blocked/deleted user cannot access the application** | **Medium** | **Sprint-4** |