# Project Design Phase-II
# Data Flow Diagram & User Stories

| Date | 03 October 2022 |
|---|---|
| Team ID | PNT2022TMID36222 |
| Project Name | Project - Developing a Flight Delay Prediction Model Using Machine Learning |
| 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)**
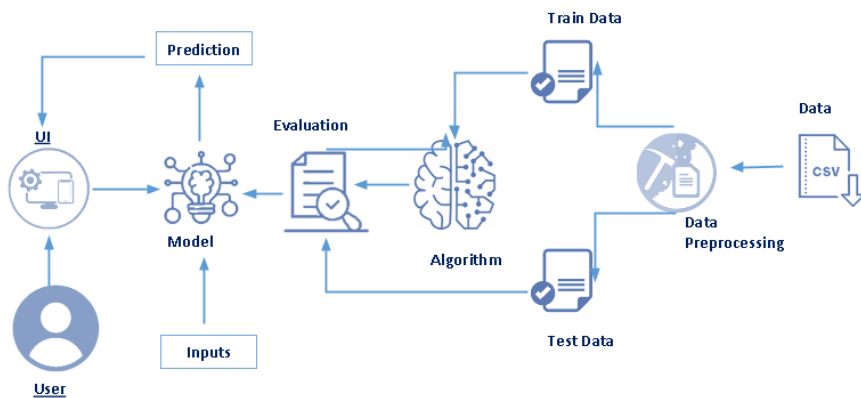
Example: DFD Level 0 (Industry Standard)
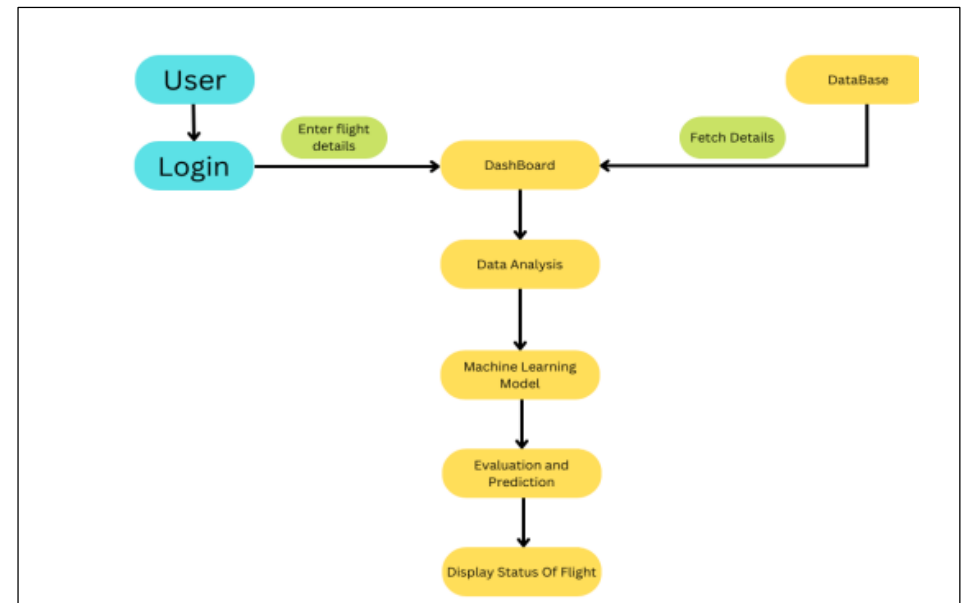
**User Stories**

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Customer (Mobile 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 |
| | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click confirm | High | Sprint-1 |
| | | USN-3 | As a user, I can register for the application through Facebook | I can register & access the dashboard with Facebook Login | Low | Sprint-2 |
| | | USN-4 | As a user, I can register for the application through Gmail | | Medium | Sprint-1 |
| | Login | USN-5 | As a user, I can log into the application by entering email & password | | High | Sprint-1 |
| | Dashboard | USN-6 | As a user, I can check the status of the flight by entering the details of the flight | | High | Sprint-1 |
| Customer (Web user) | Screen Space | USN-7 | As a web user, I have a better vision of the website | I can engage well with the website | High | Sprint-1 |
| Customer Care Executive | Communication | USN-1 | As a customer care executive, I need to be clear in my responses. | User will have a good understanding of the website | High | Sprint-2 |
| | Knowledge | USN-2 | As a customer care executive, I need to have extensive knowledge about the website | Allows use and growth of the website. | High | Sprint-2 |
| Administrator | Overall Management | USN-1 | As an administrator, I have to look after the working of the website | The website is protected from unauthorized entry | High | Sprint-3 |
| | Security | USN-2 | As an administrator, I would identify if the given user is valid. | User will comprehend the website better | High | Sprint-3 |