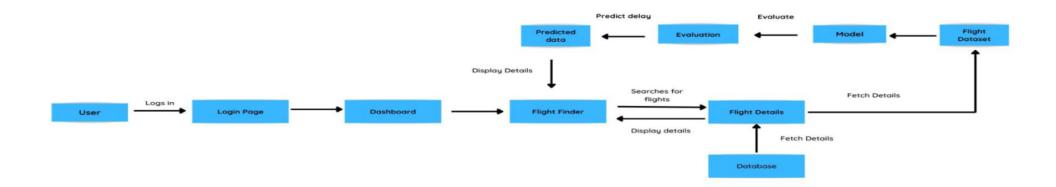# Project Design Phase-II
Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID44321
Project Name	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.

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile or Web user)	Registration and Login	USN-1	As a new user, I can register for the application by entering my email and my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	I will receive a confirmation message through email after registration	I can receive confirmation email & click confirm	Medium	Sprint-1
		USN-3	As a user, I can log into the application by entering the registered email-id and password	I can register & access the dashboard with Gmail Login	High	Sprint-1
Customer (Mobile or Web user)	Arrival and Departure time of flights	USN-4	As a user, I can search for the details of a specific flight with flight number or name	I can find all the details of a flight	Medium	Sprint-2
		USN-5	As a user, I can find the accurate arrival and departure time of flights	I can find the actual timings of the flight	High	Sprint-3
Customer (Mobile or Web user)	Real time flight delay	USN-6	As a user, I can find exactly how long the flight will be delayed	I can get the accurate delayed time	High	Sprint-3
		USN-7	As a user, I can get real time timings that are updated every few seconds.	I can check the updated time	High	Sprint-3
Customer Care Executive	Helpdesk	USN-8	I can provide other alternative flights to the passenger's destination	I can check for alternative flights	High	Sprint-2
		USN-9	As a customer care executive, I can provide the contact details of the airlines to help the passenger to get in touch with them in case of any query	I can give the airlines' phone number	Medium	Sprint-2
Customer Care Executive	Feedback	USN-10	I can collect all the feedback and suggestions that are given by the passengers after using this application	I am able to record the feedbacks	Medium	Sprint-1
Administrator	Authentication	USN-11	As an admin, I can authenticate the registration and login credentials of the passengers.	I can validate the passengers' login	High	Sprint-1
		USN-12	As an admin, I ensure the security of the passengers' details	I maintain the security of user details	High	Sprint-1