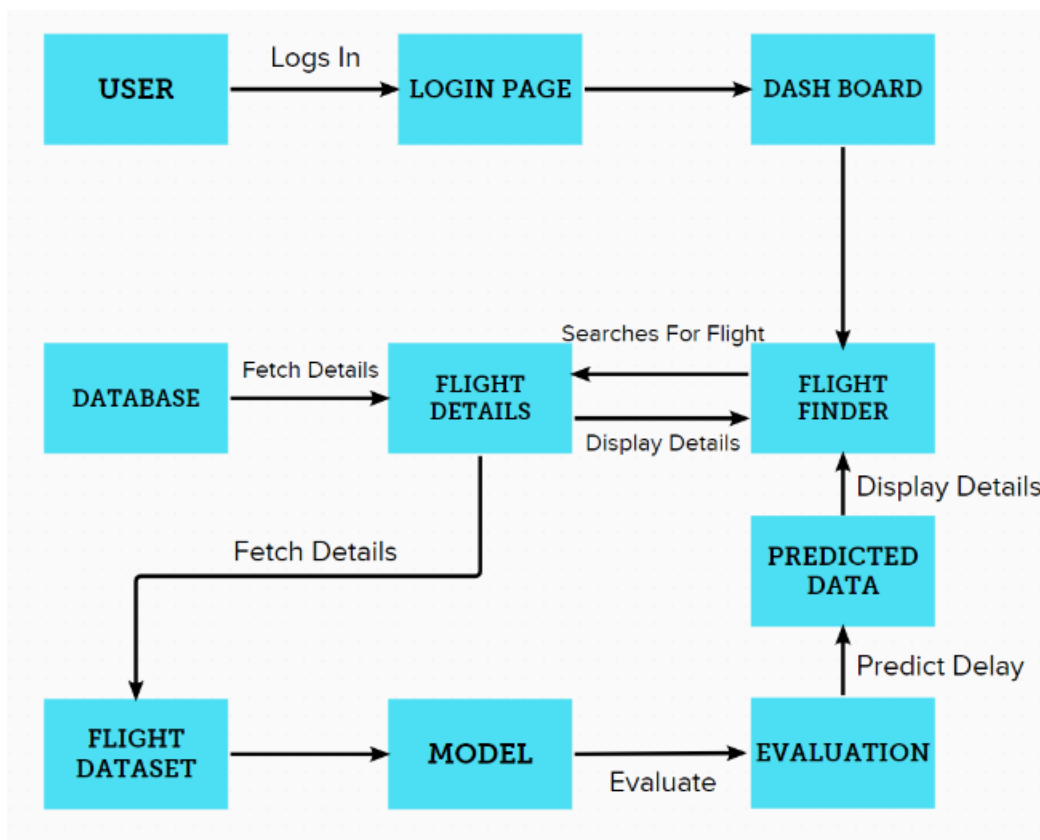


Project Design Phase-II
Data Flow Diagram & User Stories

Date	09 November 2022
Team ID	PNT2022TMID22157
Project Name	Developing a Flight Delay Prediction Model using Machine Learning
Maximum Marks	



User Stories

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 for the application by entering my email, password, confirmation of password.	I can access my account/dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email after I register 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, Instagram, other social media	I can register & access the dashboard with Facebook/Instagram Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register and access the dashboard	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can access the dashboard	High	Sprint-1
	Dashboard	USN-6	As a user, I can navigate through different pages using the dashboard	I can access various pages	High	Sprint-1
	Search	USN-7	As a user, I can search for flights for various locations	I can receive information on different flights for various locations	High	Sprint-2

	View	USN-8	As a user, I can view the details of flights	I will get the information such as flight no, departure and arrival time etc.,	High	Sprint-2
	Receive notifications	USN-9	As a user, I will receive notifications about the flight	I will get flight updates of the flight's location	Low	Sprint-3
	Track	USN-10	As a user, I can track the location of my flight	I can track my flight	Medium	Sprint-3,4
Admin	GPS	USN-11	As an admin, I will need the location of flights	I can track my flight	High	Sprint-3,4

	Analyze	USN-12	As an admin, I will analyze the given dataset	I can analyze the dataset	High	Sprint-2
	Predict	USN-13	As an admin, I will predict the delays	I can predict the flight delays	High	Sprint-2
Customer (Mobile or Web user)	Arrival and Departure time of flights	USN-14	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-15	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-16	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-17	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-18	I can provide other alternative flights to the passenger's destination	I can check for alternative flights	High	Sprint-2
		USN-19	As a customer care executive, I can provide the contact details of the airlines to help the passenger to contact them in case of any query	I can give the airlines' phone number	Medium	Sprint-4
Customer Care Executive	Feedback	USN-20	I can collect all the feedback and suggestions that are given by the passengers, after using this application	I can record the feedbacks	Medium	Sprint-4
Administrator	Authentication	USN-21	As an admin, I can authenticate the registration and login credentials of the passengers.	I can validate the passengers' login	High	Sprint-1
		USN-22	As an admin, I ensure the security of the passengers' details	I maintain the security of user details	High	Sprint-4