Project Design Phase-II

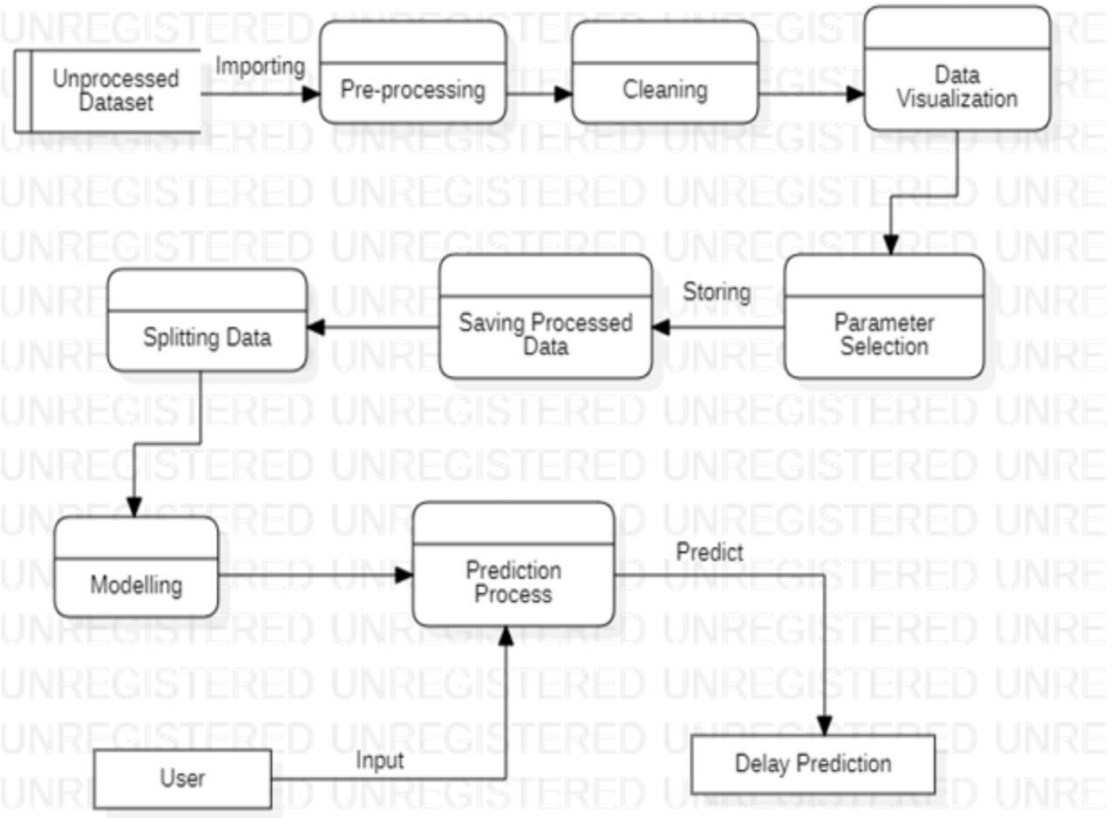
Data Flow Diagram & User Stories

Date	03October 2022
Team ID	PNT2022TMID46686
Project Name	Developing a Flight Delay Predicting Model using Machine Learning
Maximum Marks	4 Marks

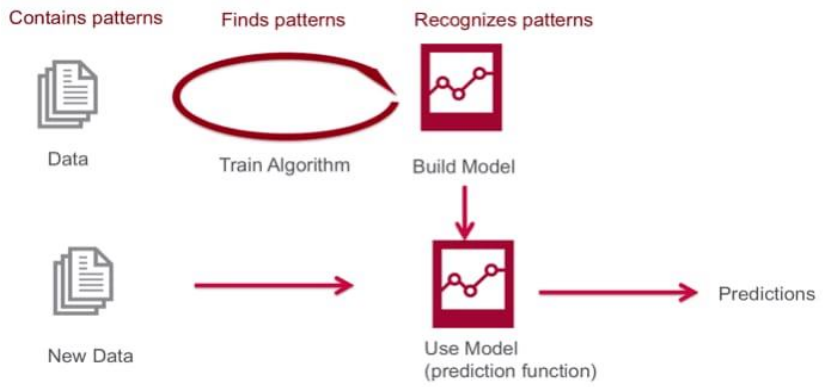
Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. We experimented with different combinations of classifier models and preprocessing procedures to resolve the problems we identified in previous work, such as label imbalance and encoding of categorical features. With resampling of the training data and use of a random forest classifier, we achieved higher recall, precision, and f2 scores, and thus a useful flight delay predictor.

Example: DFD Level 0 (Industry Standard)



Example: (Simplified)



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
Customer (Web user)	Login	USN-6	As a web user, I can log into the application by entering my web mail id and password		Medium	Sprint-1
Customer Care Executive	Login	USN-7	As a care executive , I can log into the application by entering mail id to view the customer details		Medium	Sprint-1
Administrator	Login	USN-8	As a Administrator, I can log into the application by entering mail id to solve the customer queries		High	Sprint-1