

Project Design Phase-II
Data Flow Diagram & User Stories

Date	02-11-2023
Team ID	PNT2022TMID591862
Project Name	Project - IDENTIFYING AIRLINE PASSENGERS' SATISFACTION Using ML
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.

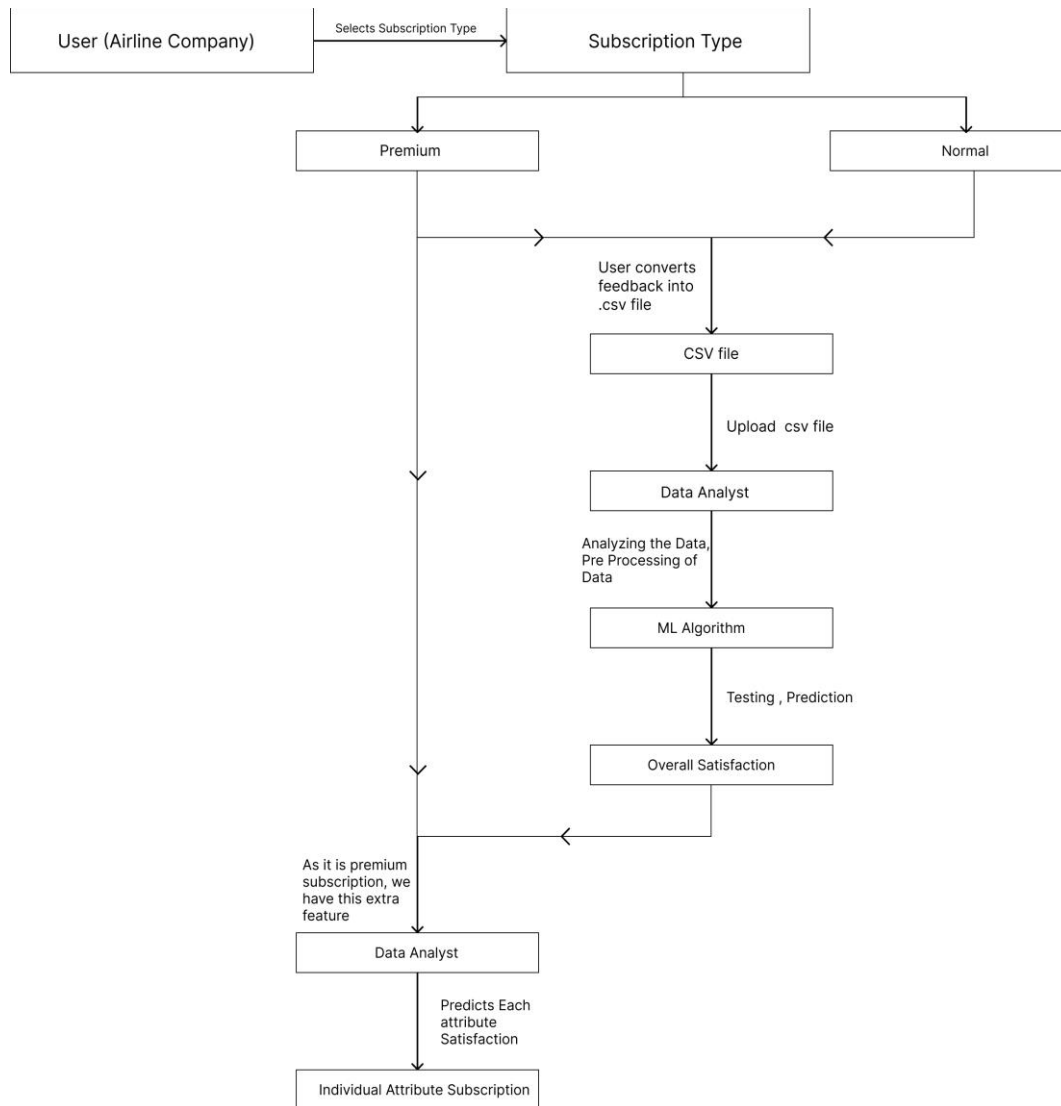


Figure 1 represents the Data Flow Diagram for the IDENTIFYING AIRLINE PASSENGERS' SATISFACTION Using ML

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
User (Airline Company)	User Login	USN-1	As a user, I want to log in to the system.	- User can input valid credentials and log in successfully.	High	Sprint-1
User (Airline Company)	Select Airline Company	USN-2	As a user, I want to select my airline company.	- User can see a list of available airline companies and select one.	High	Sprint-1
User (Airline Company)	Choose Flight Model	USN-3	As a user, I want to choose my flight model.	- User can select the desired flight model (e.g., Economy, Business).	Low	Sprint-1
User (Airline Company)	Choose Subscription Type (Normal/Premium)	USN-4	As a user, I want to choose my subscription type.	- User can select between Normal and Premium subscription types.	Medium	Sprint-2
User (Airline Company)	Dataset Collection (Normal)	USN-5	As a user with Normal subscription, I want to upload the dataset	- System collects required data from .csv files for analysis.	High	Sprint-2
User (Airline Company)	Dataset Collection (Premium)	USN-6	As a user with Premium subscription, I want to upload the dataset	- System collects additional data for premium users from .csv files.	High	Sprint-2
Data Analyst	Data Analysis	USN-7	As a data analyst, I want to analyse collected data.	- System processes datasets for analysis.	High	Sprint-2

Data Analyst	Testing of Data	USN-8	As a data analyst, I want to perform data testing.	- Data testing procedures are successfully executed.	High	Sprint-2
Data Analyst	Prediction	USN-9	As a data analyst, I want to predict satisfaction levels.	Predictions are generated based on the analyzed data.	High	Sprint-3
User (Airline Company)	View Overall Satisfaction Percentage	USN-10	As a user, I want to view overall satisfaction percentage.	- User can view the overall satisfaction percentage.	High	Sprint-3
User (Airline Company)	View Satisfaction per Attribute	USN-11	As a user, I want to view satisfaction per attribute.	- User can see satisfaction percentages for various attributes.	Medium	Sprint-3
User (Airline Company)	Receive Suggestions to Improve Satisfaction	USN-12	As a user, I want to receive suggestions to improve satisfaction levels.	- User receives actionable suggestions for improving satisfaction.	Medium	Sprint-3