Project Design Phase-II
Data Flow Diagram &User Stories

| Date	15 October 2022
Team ID	PNT2022TMID19412
Project Name	Project – Performance Analysis
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.

FLOW
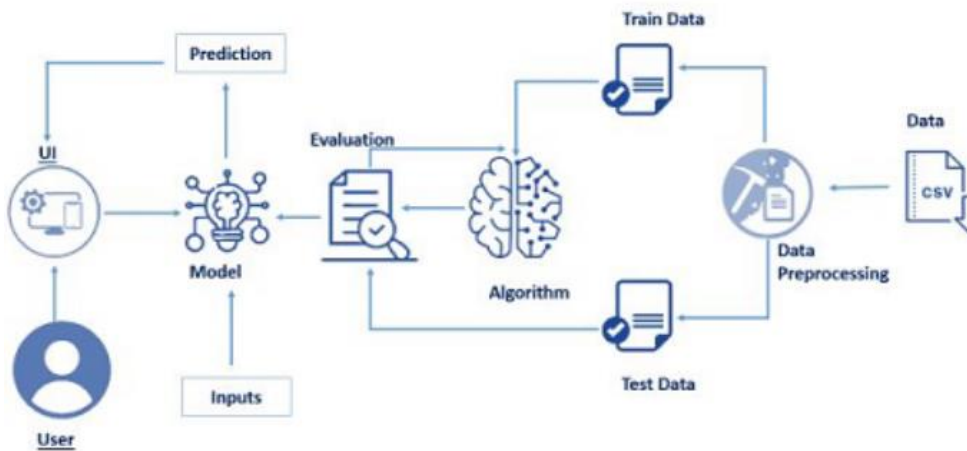
Example: DFD Level 0 (Industry Standard)
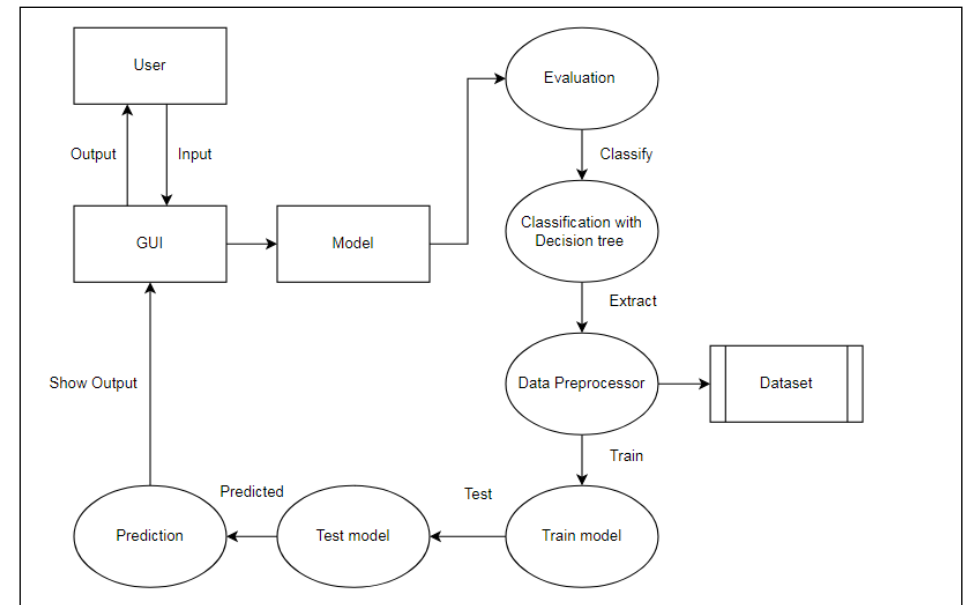
User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Administrator	Data Collection	USN-1	Download the dataset	Dataset is in the local directory	High	Sprint-1
	Data Pre-processing	USN-2	Import libraries and read the dataset	Imported library's methods can be implemented on dataset	Medium	Sprint-2
		USN-3	Handle the missing value and label the encoding	Categorical values are not present in the dataset	Medium	Sprint-2
		USN-4	Split the dataset into Dependent and independent variables	Dataset is split into 2 one with independent variables and another with one dependent variable	Medium	Sprint-2
		USN-5	Split the dataset into train and test data	20 percent of records are split as test data and rest 80 percent as train data	Medium	Sprint-2
	Model Building	USN-6	Train the datasets to run smoothly and see an incremental improvement in the prediction rate for the available Machine Learning algorithms.	Best machine learning algorithm is chosen and used for training	Low	Sprint-3
		USN-7	Build The Model with The Decision Tree Algorithm	Model is fitted	Low	Sprint-3
		USN-8	Predict The Values	Model should accept the input and provide the output	Low	Sprint-3
		USN-9	Model Evaluation	It predicts the exact output for the given input	Low	Sprint-3
	Application Building	USN-10	Building An Index. Html File	It should run on webpage	Low	Sprint-4
		USN-11	Build Python Code	It should link the UI and model	Low	Sprint-4
		USN-12	Run the app using flask	Flask application acts as user interface	Low	Sprint-4
Customer (Mobile user)		USN-13	Use the application	For the input given by the customer it performs the correct analysis	Low	Sprint-4