Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID17819
Project Name	Trip Based Modelling of Fuel Consumption
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.
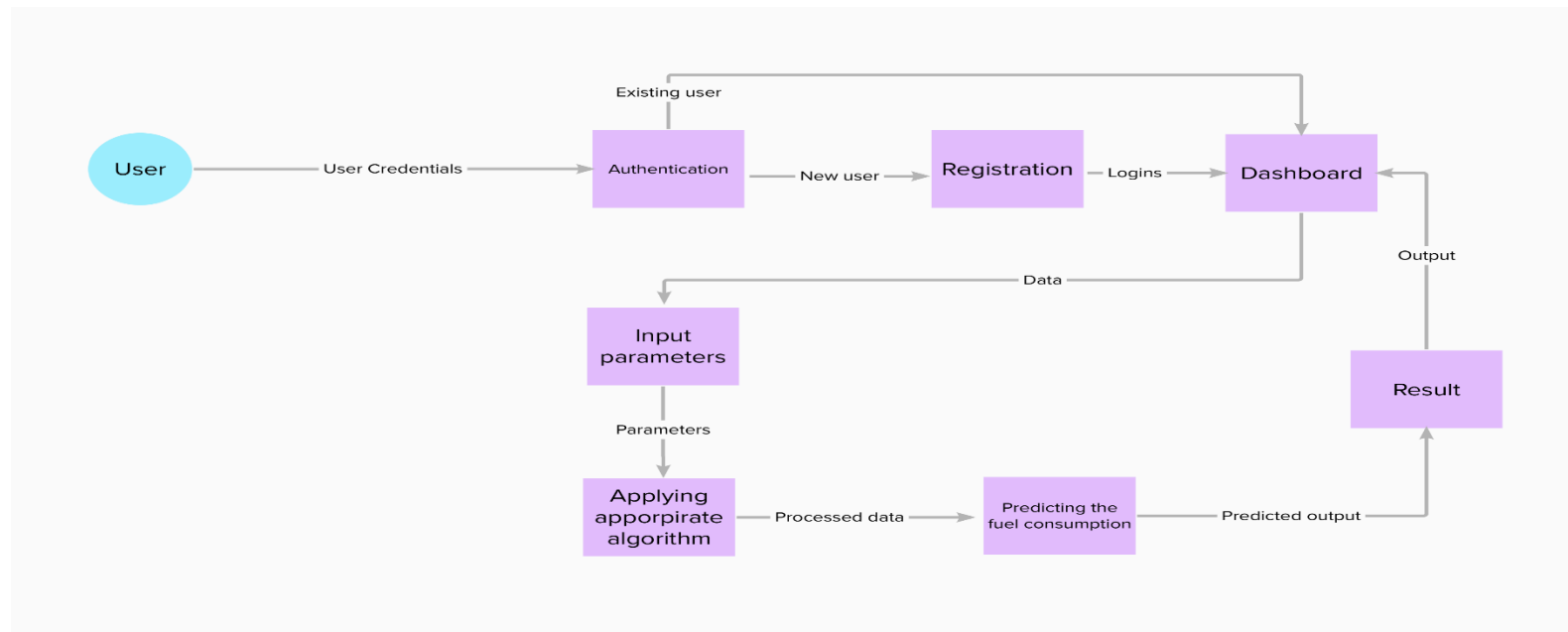
Flow:

1.The user is authenticated into the portal. New users register with their account and then they login into the portal.

2.In the dashboard the user starts the process of fuel prediction by entering the input paramters of vehicles.

3.Once all the parameters are entered, the user submits the values for prediction.

4.The parameters are applied upon ML algorithm and then the prediction of fuel is undergone.

5.Once the algorithm predicts the fuel value, it is given as a result and then result is redirected to the portal.

6.The user is displayed with the predicted value as a result in the dashboard.

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
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my username, email, password, organization name, and employee position	I can access my account / dashboard	High	Sprint-1
	Login	USN-2	As a user, I can log into the application by entering username/email & password	I can access my account only through valid credentials	High	Sprint-1
	Dashboard	USN-3	As a user, I will be able to see the profile details and login details	I can view the details only after logging in	Medium	Sprint-2
Customer (Fleet Organization)		USN-4	After entering the dashboard, I will give the input parameters for prediction	I must give the input values in proper data form	Medium	Sprint-2
		USN-5	As a user, I will get the predicted output	I get the output for the needed vehicles	High	Sprint-2
		USN-6	As a user, I will get a detailed report of my output	I view a detailed report of the predicted output	Medium	Sprint-3
	Instruction	USN-7	As a user, I can go through the instructions in the site to carry out the prediction process.	I can see the instructions for easy use of portal	Low	Sprint-4
Developer	Portal configuration	USn-7	As a developer, I can configure the portal for easy use by customer	I can change the dashboard for easy and better use by the customer.	Medium	Sprint-4