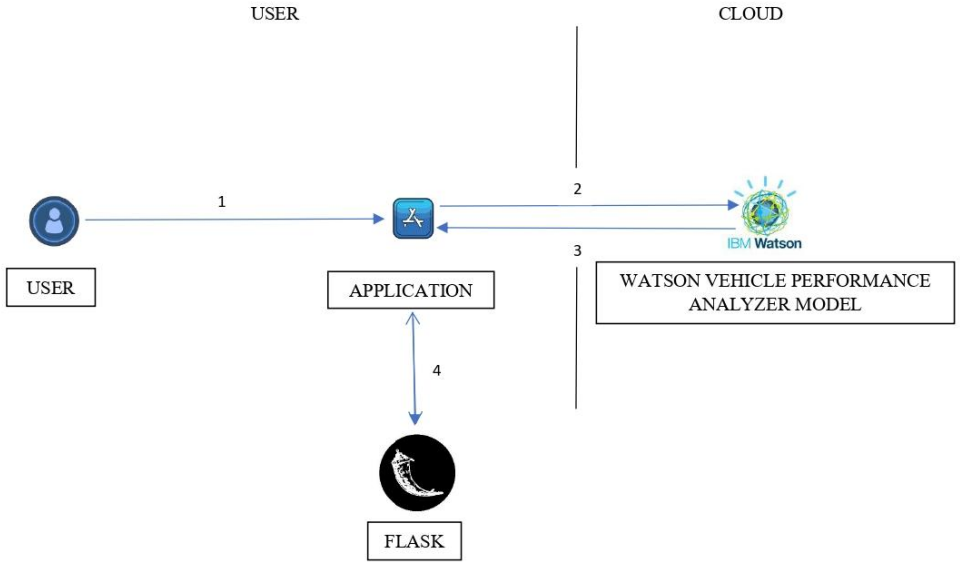
Project Design Phase-II
Data Flow Diagram & User Stories

Date	12 October 2022
Team ID	PNT2022TMID17991
Project Name	Project - Machine Learning based Vehicle Performance Analyzer
Maximum Marks	4 Marks

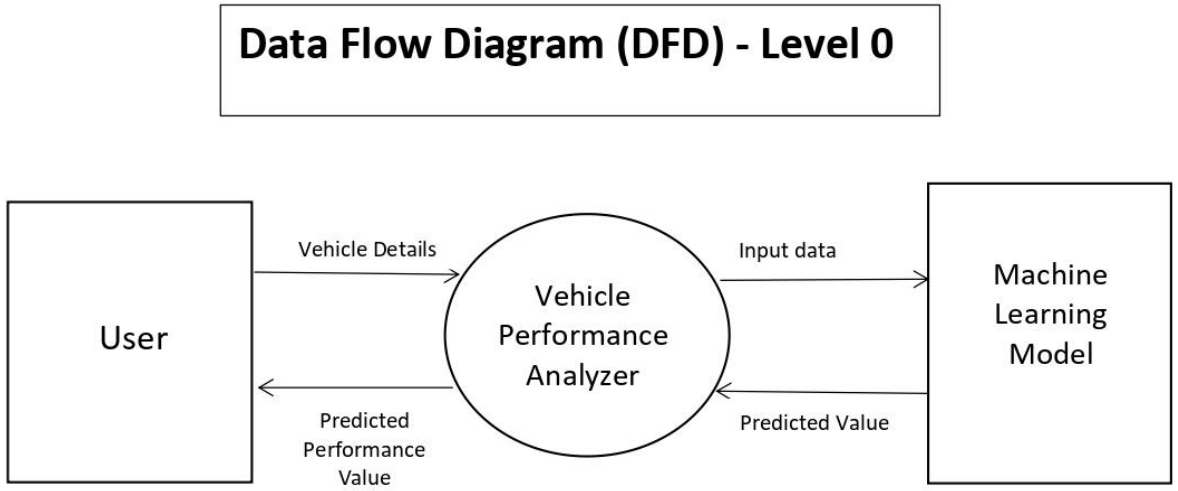
Data Flow Diagrams:

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.

Data Flow Diagrams For Machine Learning based Vehicle Performance Analyzer:



1. Initially user starts the application which is developed with help of flask framework and enters the vehicle details as input.
2. The vehicle details are given as the input to the model which is trained on IBM Watson cloud platform for prediction.
3. Then the model predicts the performance based on the input data.
4. Finally the predicted performance is displayed in the User Interface which integrated with Flask framework.



User Stories

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

Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Accepts/Enable user's input	USN-1	As a user, I can enter into the application.	I can access the application.	High	Sprint-1
	USN-2	As a user, I can give the inputs to the application.	I can view the values in the input text box and the system must accepts it (if all the entered values are correct).	High	Sprint-1
Process user's inputs/ Prediction	USN-3	As a user, I can predict the performance of the vehicle appropriately based on the vehicle's parameter's values.	I can improve my vehicle's performance based on the predicted value.	High	Sprint-4