Ideation Phase
Define the Problem Statements
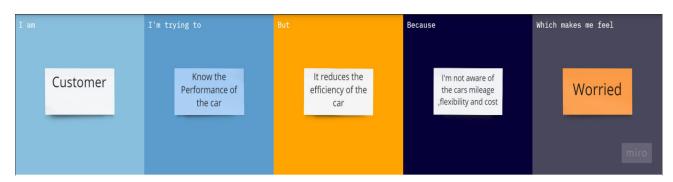
Date	19 September 2022
Team ID	PNTIBMMb47
Project Name	Machine Learning based Vehicle Performance Analyzer
Maximum Marks	2 Marks

Customer Problem Statement Template:

Predicting the performance level of cars is an important and interesting problem. The main goal is to predict the performance of the car to improve certain behaviours of the vehicle. This can significantly help to improve the system's fuel consumption and increase efficiency.

The performance analysis of the car is based on the engine type, no of engine cylinders, fuel type, horsepower, etc. These are the factors on which the health of the car can be predicted. It is an ongoing process of obtaining, researching, analyzing, and recording health based on the above three factors. The performance objectives like mileage, dependability, flexibility and cost can be grouped together to play a vital role in the prediction engine and engine management system. This approach is a very important step towards understanding the vehicle's performance.

Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Customer	Know the Performance of the car	It reduces the efficiency of the car	I'm not aware of the cars mileage ,flexibility and cost	Worried