

## 1 INTRODUCTION

Vehicle management is an application where a customer details are stored in order to choose cars , bikes and commercials vehicles for travel with in the city. The data which is stored here is further used to remainder them if any offers are provided during the seasons and any updates regarding vehicle are sent to then in the form of messages and mails.

### 1.1 Overview

- The main objective of the project on vehicle management system is to manage the details of vehicle, Driver, Maintenance , Fuel
- It manages all the information about vehicle, vehicle Type, Fuel, vehicle.
- The project is totally built at administrative end and thus only the administrator is guarantee the access.
- It tracks all the details about the insurance maintenance fuel.

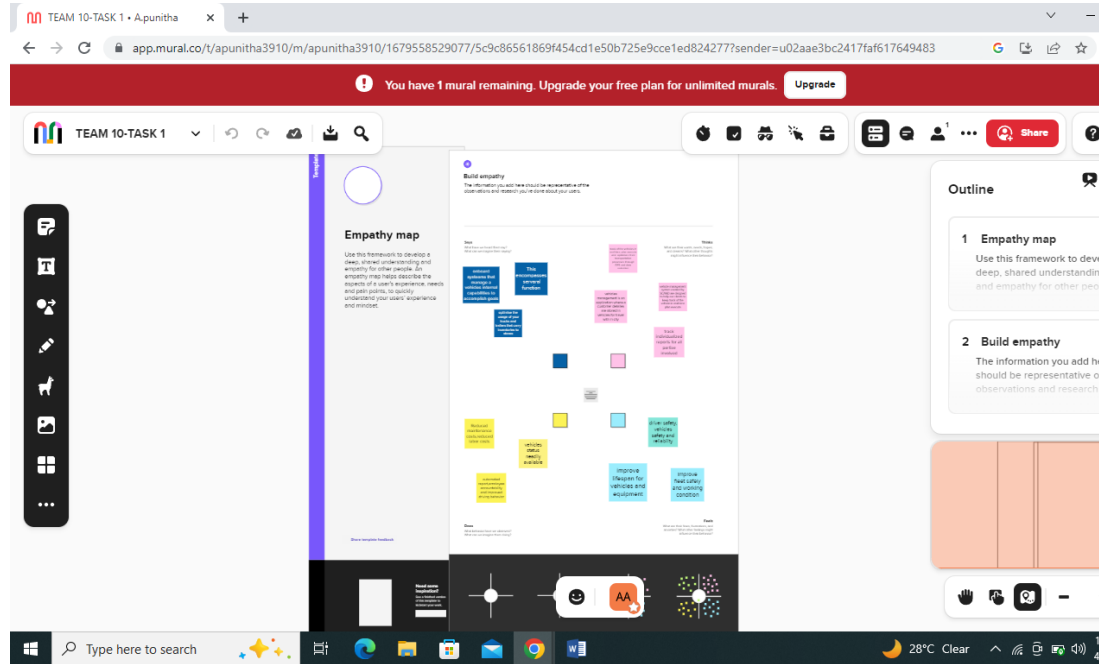
### 1.2 Purpose

A vehicle management system is a software system or platform that serves to manage commercial fleets of vehicles, such are cars, vans or trucks or even heavy equipment to ensure they're utilized safely, efficiently and professionally, while making sure they're well maintained and high performing.

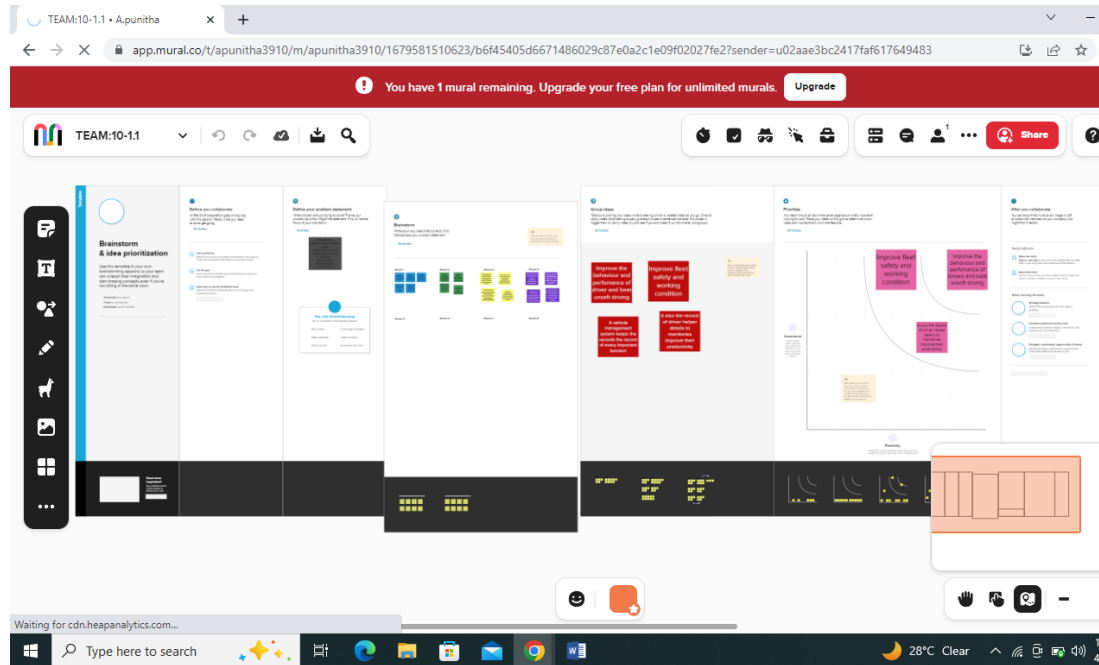
## 2 Problem Definition & Design Thinking

### 2.1 Empathy Map

# Project Report Template



## 2.2 Ideation & Brainstorming Map



# Project Report Template

## 3 RESULT

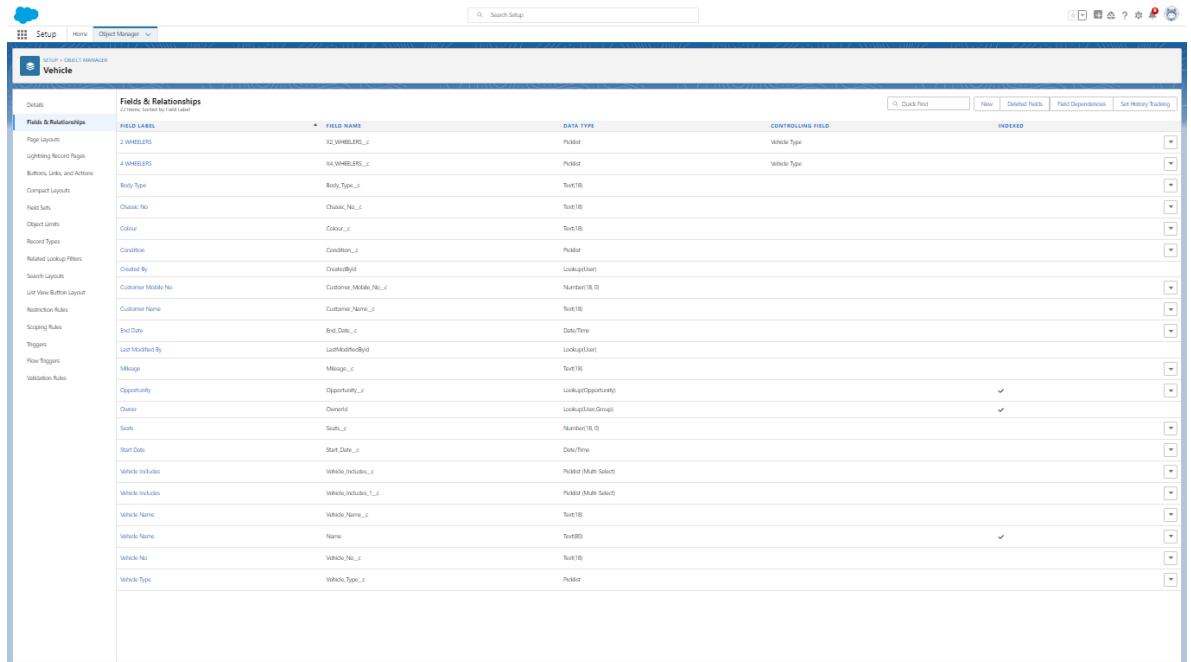
### 3.1 Data Model:

Object name	Fields in the Object	
Vehicle		
	Field Names	Data Type
	Customer Name	Text
	Customer mobile no	Number
	Vehicle Type 2 Wheeler 4 wheeler	Picklist
	2 WHEELERS HERO HONDA BAJAJ ROYAL ENFLELD TVS KINETIC OLA JAVA SD BATTERY	picklist
	4WHEELERS RENAULT SKODA HONDA HYUNDAI SUZUKI MAHINDRA VOLKSWAGEN BENZ AUDI VOLVO	Picklist
	Vehicle name	Text
	Vehicle no	Text
	Chassic No	Text
	Colour	Text
	Body type	Text
	Vehicle includes Fire Extenuation First Aid Kit Multi Charger Kit Stero Tool Kit Tracking Device Tyre Jack	Multi picklist
	Condition	picklist

# Project Report Template

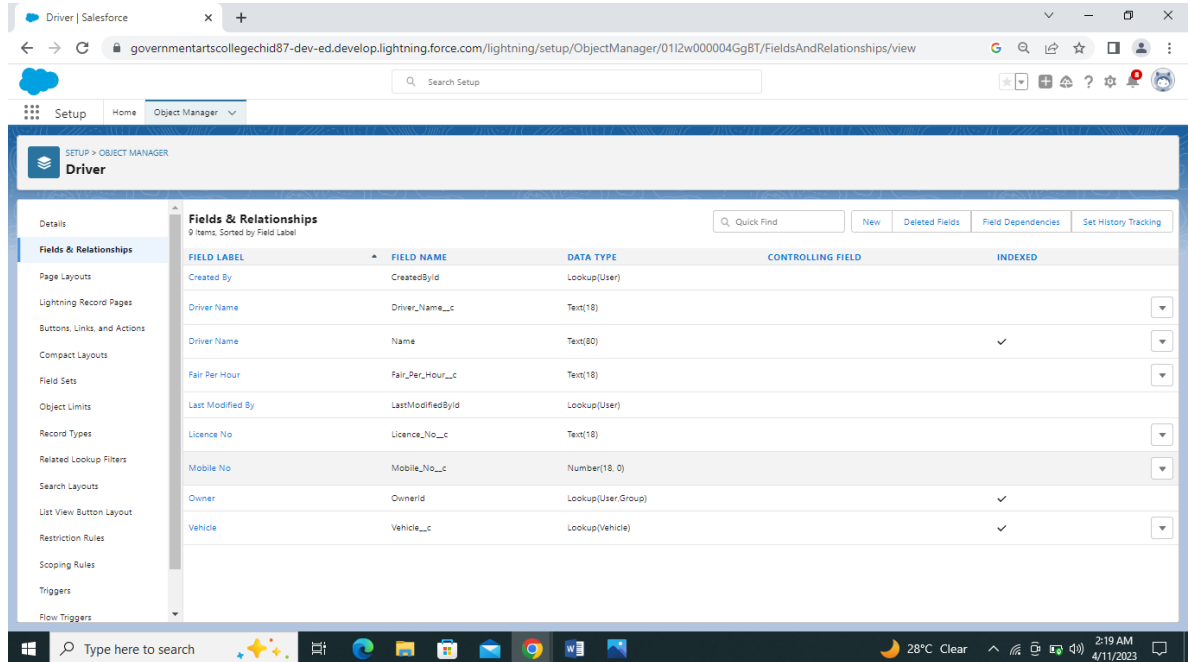
	Good	
	Medium	
	Last	
	Mileage	Text
	Seats	Number
	Start date	Date /time
Driver	End Date	Date/Time
	Opportunity	Lookup(oppor tunities)
	Field	Data Type
	Driver Name	Text
	Licence No	Text
	Mobile No	Number
	Fair Per Hour	Text
	Vehicle	Lookup(vehicle)

## 3.2 Activity & Screenshot



The screenshot displays the 'Setup - Object Manager' interface for the 'Vehicle' object. The 'Fields & Relationships' tab is active, showing a list of fields and their relationships. The interface includes a search bar at the top right and a sidebar on the left with navigation options like 'Details', 'Fields & Relationships', 'Page Layouts', 'Lightning Record Pages', 'Buttons, Links, and Actions', 'Compact Layouts', 'Field Sets', 'Object Limits', 'Record Types', 'Related Lookup Filters', 'Search Layouts', 'List View Button Layout', 'Restriction Rules', 'Scoping Rules', 'Triggers', 'Flow Triggers', and 'Validation Rules'.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
2 WHEELERS	IS2_WHEELERS_c	Public	Vehicle Type	
4 WHEELERS	IS4_WHEELERS_c	Public	Vehicle Type	
Body Type	Body_Type_c	Text(16)		
Chassis No	Chassis_No_c	Text(16)		
Colour	Colour_c	Text(16)		
Condition	Condition_c	Public		
Created By	CreatedBy	Lookup(User)		
Customer Mobile No	Customer Mobile_No_c	Number(15, 0)		
Customer Name	Customer Name_c	Text(16)		
End Date	End Date_c	Date/Time		
Last Modified By	LastModifiedBy	Lookup(User)		
Mileage	Mileage_c	Text(16)		
Opportunity	Opportunity_c	Lookup(Opportunity)		✓
Owner	Owner	Lookup(Owner Group)		✓
Seats	Seats_c	Number(15, 0)		
Start Date	Start Date_c	Date/Time		
Vehicle Includes	Vehicle Includes_c	Public (Multi Select)		
Vehicle Includes	Vehicle Includes_T_c	Public (Multi Select)		
Vehicle Name	Vehicle Name_c	Text(16)		
Vehicle Name	Name	Text(16)		✓
Vehicle No	Vehicle_No_c	Text(16)		
Vehicle Type	Vehicle_Type_c	Public		



The screenshot shows the Salesforce Setup interface for the 'Driver' object. The 'Fields & Relationships' section is active, displaying a list of 9 fields. The table below represents the data shown in the screenshot.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Driver Name	Driver_Name__c	Text(18)		
Driver Name	Name	Text(80)		✓
Fair Per Hour	Fair_Per_Hour__c	Text(18)		
Last Modified By	LastModifiedById	Lookup(User)		
Licence No	Licence_No__c	Text(18)		
Mobile No	Mobile_No__c	Number(18, 0)		
Owner	OwnerId	Lookup(User:Group)		✓
Vehicle	Vehicle__c	Lookup(Vehicle)		✓

## 4 Trailhead Profile Public URL

**Team Lead –**

**[https://trailblazer.me /id/ppunitha2](https://trailblazer.me/id/ppunitha2)**

**Team Member1 –**

**<https://trailblazer.me/id/llavanya41>**

**Team Member 2 -**

**<https://trailblazer.me/id/aarthi111>**

**Team Member 3 –**

**<https://trailblazer.me/id/suram41>**

## 5 **ADVANTAGES & DISADVANTAGE**

### **ADVANTAGES**

- Duplication of the vehicle data is avoided
- As vehicle number is already stored in the master therefore human mistakes can be avoided
- Timely alerts ensure that penalties are avoided

### **DISADVANTAGES:**

- Vehicle create pollution which can be damaging to our environment and health.
- The cost of owning and maintaining a vehicle can be high depending on its age and condition.
- Driving requires focus and practice so inexperienced drivers may find it difficult or dangers.

## 6 **APPLICATIONS**

The vehicle management system is an application for the automotive industry. It supports, in the area of sales & services, the business processes that you require as vehicle importer when dealing with your dealers in new and used vehicle sales.

## 7 **CONCLUSION**

Our project is only humble to satisfy the needs to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirement of the school. The objective of software planning is to provide to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

## 8 FUTURE SCOPE

In a nutshell , it can be summarized that the future scope of the project circle around maintaining information regarding .

- We can add printer in future.
- We can give more advance software for vehicle management system including more facilities.
- We will host the platform on online servers to make it accessible world wide.
- Integrate multiple load balancers of distribute the loads of the **system**.