

## 1 INTRODUCTION

### 1.1 Overview

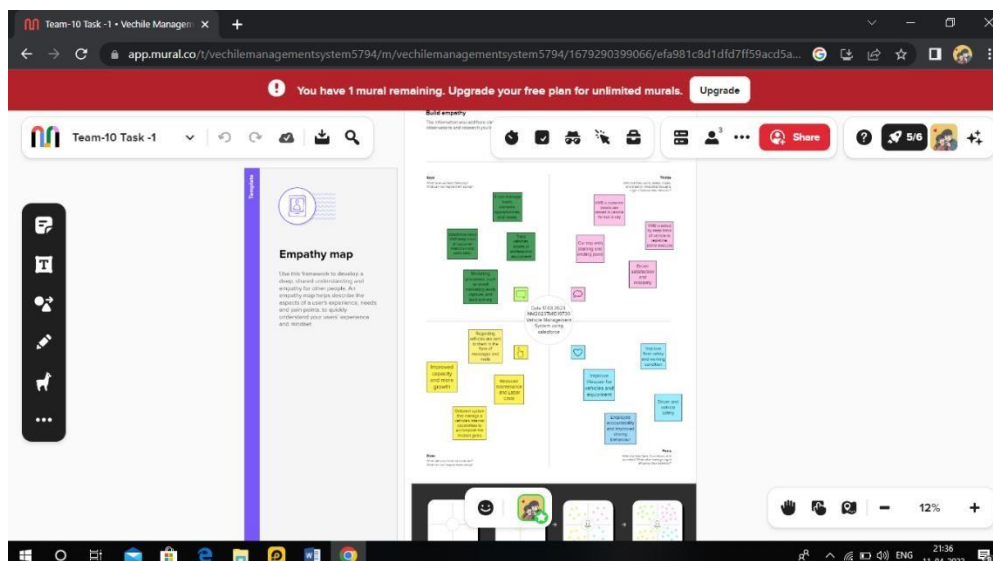
Vehicle Management is an application where a customer Details are stored in order to choose cars, bikes and commercial vehicles for travel within the city. The data which is stored here is further used to remind them if any offers are provided during the seasons and any updates regarding vehicles are sent to them in the form of messages and mails.

### 1.2 Purpose

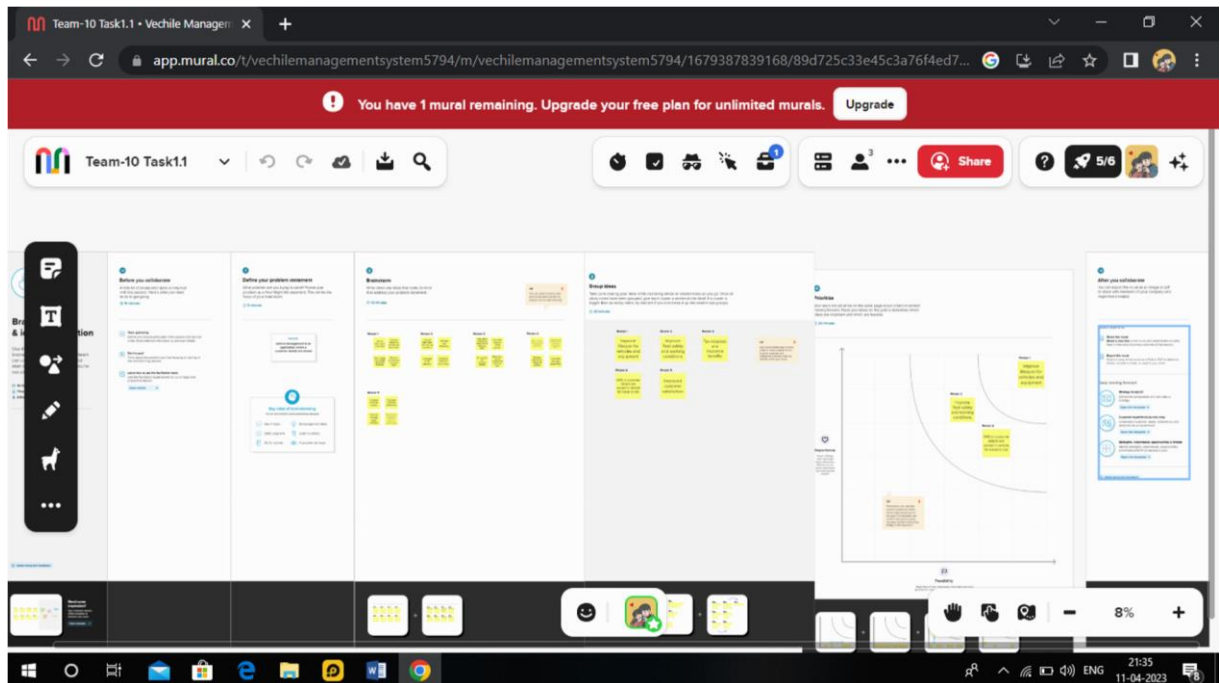
- Improve lifespan for vehicle and equipment
  - Better reporting on driver behaviour, work hours and vehicle performance
1. Automated reports
  2. Employee accountability and improved driving behaviour
  3. No more questionable time sheets.

## 2 Problem Definition & Design Thinking

### 2.1 Empathy Map



## 2.2 Ideation & Brainstorming Map



## 3 RESULT

### 3.1 Data Model:

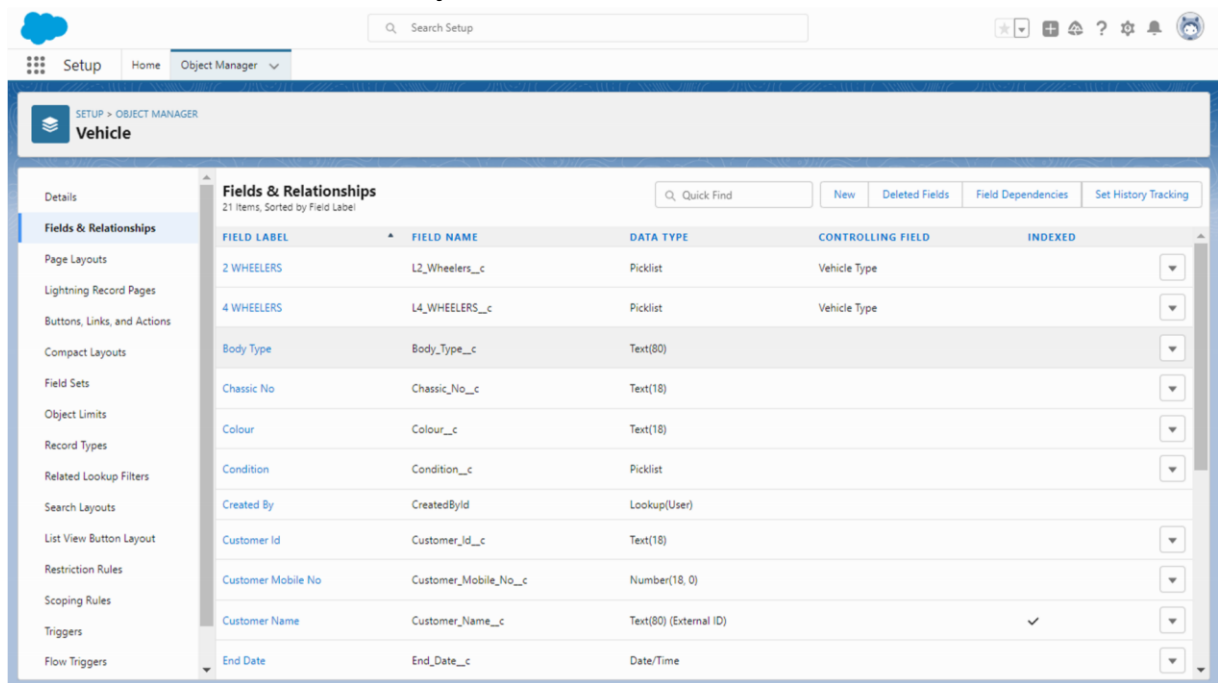
Object name	Fields in the Object	
Vehicles		
	Field label	Data Type
	Customer Name	Text
	Customer Mobile No	Number
	Vehicle Type i)2 wheeler ii)4 wheeler	Picklist

	2WHEELERS i) HERO ii)HONDA iii)BAJAJ iv)ROYAL ENFIELD v)TVS vi)KINETIC vii)OLA viii)JAWA	Picklist
	ix)SD x)BATTERY	
	4WHEELERS i) RENAULT ii)SKODA iii) HONDA iv)HYUNDAI v)SUZUKI vi)MAHINDRA vii)VOLKSWAGEN viii)BENZ ix)AUDI x)VOLVO	Picklist
	Vehicle Name	Text
	Vehicle No	Text
	Chassic No	Text
	Colour	Text
	Body Type	Text
	Vehicle Includes i)Fire Extenuation ii)First Aid Kit iii)Multi Charger kit iv)Stepney v)Stereo vi)Tool Kit vii)Tracking Device viii)Tyre Jack	Multi Picklist
	Condition i)Good ii)Medium iii)Least	Picklist
	Mileage	Text
	Seats	Number
	Start Date	Date/Time
	End Date	Date/Time
	Opportunity	Lookup(opportunities)

<b>Driver</b>		
	<b>Field label</b>	<b>Data Type</b>
	Driver Name	Text
	Licence No	Text
	Mobile No	Number
	Fair Per Hour	Text
	Vehicle	Lookup(Vehicle)

## 3.2 Activity & Screenshot

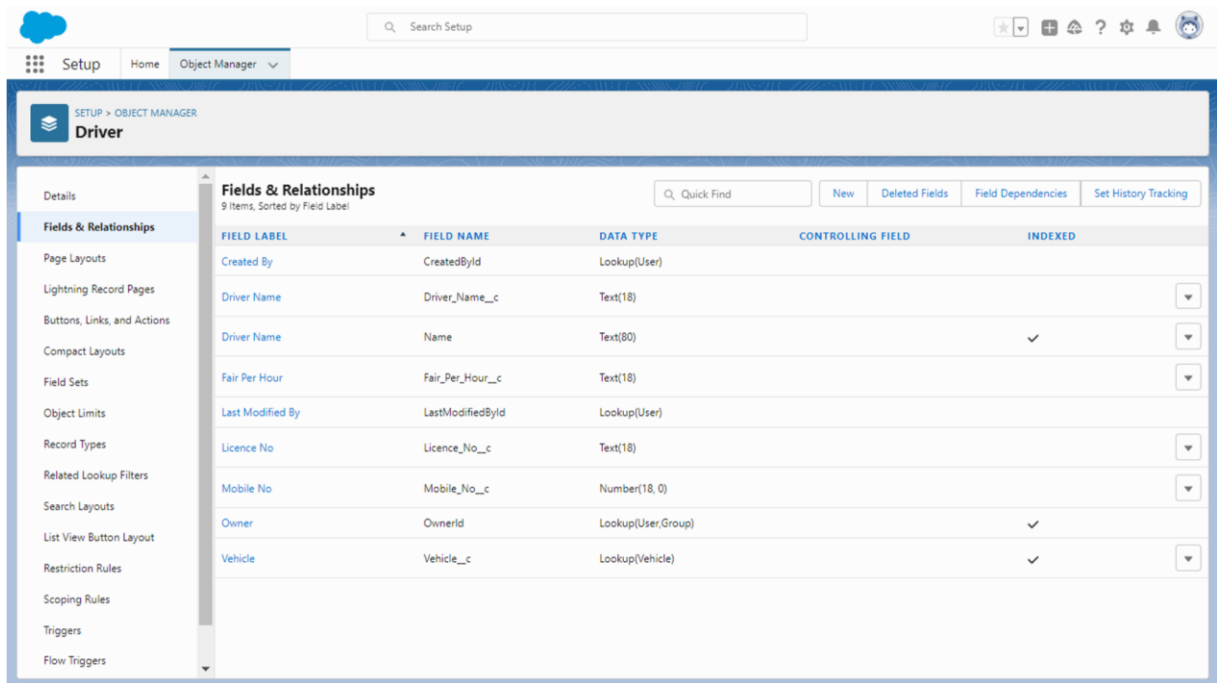
### Vehicle Activity



The screenshot shows the Salesforce Setup interface for the 'Vehicle' object. The left sidebar contains a navigation menu with 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, and Flow Triggers. The main content area is titled 'Fields & Relationships' and displays a table of 21 items, sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed include 2 WHEELERS, 4 WHEELERS, Body Type, Chassis No, Colour, Condition, Created By, Customer Id, Customer Mobile No, Customer Name, and End Date.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
2 WHEELERS	L2_Wheelers__c	Picklist	Vehicle Type	
4 WHEELERS	L4_WHEELERS__c	Picklist	Vehicle Type	
Body Type	Body_Type__c	Text(80)		
Chassis No	Chassis_No__c	Text(18)		
Colour	Colour__c	Text(18)		
Condition	Condition__c	Picklist		
Created By	CreatedById	Lookup(User)		
Customer Id	Customer_Id__c	Text(18)		
Customer Mobile No	Customer_Mobile_No__c	Number(18, 0)		
Customer Name	Customer_Name__c	Text(80) (External ID)		✓
End Date	End_Date__c	Date/Time		

### Driver Activity



#### 4 Trailhead Profile Public URL

Team Lead - <https://trailblazer.me/id/tkalai4>

Team Member 1 - <https://trailblazer.me/id/vkvktb1>

Team Member 2 - <https://trailblazer.me/id/nvarma62>

Team Member 3 - <https://trailblazer.me/id/ntamizhselvi>

Team Member 4- <https://trailblazer.me/id/pravs67>

#### 5 ADVANTAGES & DISADVANTAGE

##### ADVANTAGES:

Salesforce provides a powerful solution for fleet management, enabling organizations to manage their fleet assets efficiently, productivity, enhance safety, and reduce **costs**. Salesforce provides real-time tracking, reporting, analytics, automation, and compliance management, among other benefits.

## **DISADVANTAGES:**

Active tracking based vehicle management requires monthly subscription charges and data usage charges. It requires skilled resources to maintain such system. This increases maintenance costs.

## **6 APPLICATIONS**

- Improve fleet safety and working conditions
- Improve the behaviour and performance of drivers and beat unsafe driving.
- Vehicle status, readily available.

## **7 CONCLUSION**

Our project is only a humble venture 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 requirements of the school. The objective of software planning is to provide a frame work that enables the manager to make reasonable estimates made with in a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

## **8 FUTURE SCOPE**

- We can add printer in future.
- We can give more advance software for Vehicle Management system including more facilities
- Integrate multiple load balanced to distribute the loads of the system
- We will host the platform on online serves to make it accessible worldwide
- Create the master and stave database structure to reduce the overload of the database queries
- Implement the backup mechanism for taking backup codebase and database on regular basis on different serves.