

# PROJECT REPORT

## 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

- Coordinate procurement of vehicles, and ensure their suitability for conditions and aim for standardisation of the fleet.
- Maintain a vehicle inventory for each type of vehicle.
- Insure vehicles.
- Where large numbers of vehicles are required quickly, then rent vehicles.
- Put systems and guidelines in place for vehicle request, use and monitoring.
- Always track vehicle movements.
- Ensure vehicles are well-maintained and employ pre-emptive, regular maintenance programmes.
- Keep updated individual vehicle files.
- Ensure that vehicles and vehicle usage conform to safety regulations, including for motorcycles.
- Report all accidents and complete detailed accident reports.

## 2 PROBLEM DEFINITION AND DESIGN THINKING

### 2.1 Empathy Map



Untitled\_2023-03-17\_08-43-09.pdf

### 2.2 Ideation & Brain Storming Map



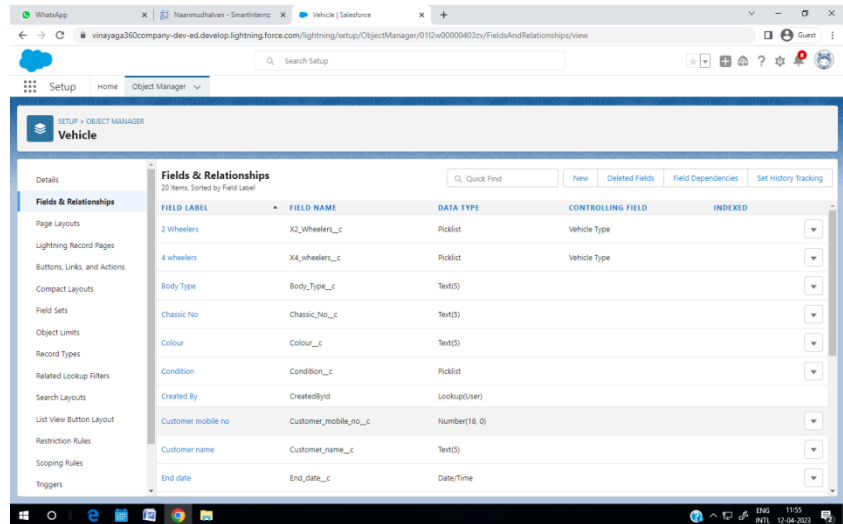
Ideation and Brain Storming Map.pdf

## 3 RESULT

### 3.1 Data Model

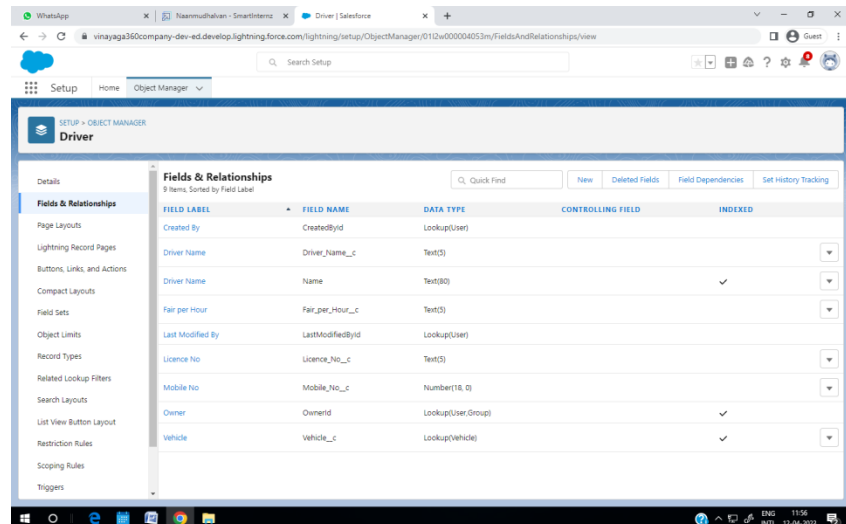
OBJECT NAME	FIELDS IN THE OBJECT
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## Object 1 – Vehicle



FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
2 Wheelers	X2_Wheelers__c	Picklist	Vehicle Type	
4 wheelers	X4_wheelers__c	Picklist	Vehicle Type	
Body Type	Body_Type__c	Text(5)		
Chassis No	Chassis_No__c	Text(5)		
Colour	Colour__c	Text(5)		
Condition	Condition__c	Picklist		
Created By	CreatedById	Lookup(User)		
Customer mobile no	Customer_mobile_no__c	Number(18, 0)		
Customer name	Customer_name__c	Text(5)		
End date	End_date__c	Date/Time		

## Object 2 -- Driver



FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Driver Name	Driver_name__c	Text(3)		
Driver Name	Name	Text(80)		✓
Fair per Hour	Fair_per_Hour__c	Text(3)		
Last Modified By	LastModifiedById	Lookup(User)		
Licence No	Licence_No__c	Text(5)		
Mobile No	Mobile_No__c	Number(18, 0)		
Owner	OwnerId	Lookup(User, group)		✓
Vehicle	Vehicle__c	Lookup(Vehicle)		✓

### 3.1.1 Activity & Screenshots

## Project Description:

The screenshot shows the Smart Internz web application interface. The browser address bar displays the URL: `naanmudhalvan.smartinternz.com/Student/guided_project_info/10865#`. The application has a sidebar with 'Home', 'Projects', and 'Support' options. The main content area is titled 'Guided Project' and contains a list of project steps: 'Creation Salesforce Org', 'Object', 'Fields And Relationship', 'Lightning App', 'Profile', 'Users', and 'Reports'. A 'Project Manual' button is visible in the top right. The central content area displays the title 'Vehicle Management System Using Salesforce' and a description: 'Vehicle Management is an application where a customer Details are stored in order to choose cars, bikes and commercial vehicles for travel with in 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.'

## Report of a data:

The screenshot shows the Salesforce Lightning interface for a report titled 'Vehicles and Customer Details'. The report is displayed in a table format with the following columns: 'Vehicle: Vehicle Name', 'Vehicle Name', 'Customer Name', 'Customer Mobile No', and 'Chassic No'. The report shows two records. The first record has a 'Vehicle Name' of 'splendor', a 'Customer Name' of 'Anandh', and a 'Customer Mobile No' of '9,87,65,43,210'. The second record has a 'Vehicle Name' of 'splendor', a 'Customer Name' of 'Anandh', and a 'Customer Mobile No' of '9,87,65,43,210'. The report is titled 'Report: Vehicles' and 'Vehicles and Customer Details'. The report is displayed in a table format with the following columns: 'Vehicle: Vehicle Name', 'Vehicle Name', 'Customer Name', 'Customer Mobile No', and 'Chassic No'. The report shows two records. The first record has a 'Vehicle Name' of 'splendor', a 'Customer Name' of 'Anandh', and a 'Customer Mobile No' of '9,87,65,43,210'. The second record has a 'Vehicle Name' of 'splendor', a 'Customer Name' of 'Anandh', and a 'Customer Mobile No' of '9,87,65,43,210'.

	Vehicle: Vehicle Name	Vehicle Name	Customer Name	Customer Mobile No	Chassic No
1	splendor	splendor	Anandh	9,87,65,43,210	JYA2UJE0X2A050036
2	splendor	splendor	Anandh	9,87,65,43,210	JYA2UJE0X2A050036

## Dashboard:

The screenshot shows a Salesforce Lightning Dashboard. The top navigation bar includes 'Vehicle management', 'Accounts', 'Contacts', 'Reports', 'Vehicles', 'Opportunities', 'Drivers', and 'Dashboards'. The dashboard title is 'Vehicle and Customer Details', with a note that it was last refreshed 1 day ago. Below the title, there is a table with the following data:

Vehicle: Vehicle N...	Vehicle...	Customer...	Customer Mo...	Chassis No
splendor	splendor	Anandh	10e	JYA2UE0X2A050036

Below the table, there is a link 'View Report (Vehicles and Customer Details)'. The dashboard also features a search bar and a 'Refresh' button.

## Vehicle Management App:

The screenshot shows the Salesforce Lightning Setup page for the 'Vehicle Management App'. The left sidebar contains a search bar with 'veh' entered, and a list of items including 'Apps', 'Items', 'Vehicles', 'View All', 'Assistant', 'Salesforce Mobile App', 'Lightning Usage', 'Optimizer', 'ADMINISTRATION', 'Users', 'Data', 'Email', 'PLATFORM TOOLS', 'Subscription Management', 'Apps', 'Feature Settings', 'Slack', and 'MuleSoft'. The main content area displays three cards: 'Get Started with Einstein Bots', 'Mobile Publisher', and 'Real-time Collaborative Docs'. Below these cards, there is a section titled 'Most Recently Used' with a table of items:

NAME	TYPE	OBJECT
Vehicle No	Custom Field Definition	Vehicle
Vehicle	Custom Object Definition	Vehicle
	Custom Field Definition	Vehicle

## 4 TRAILHEAD PROFILE PUBLIC URL

Team leader ( K. Sandhiya) : <https://trailblazer.me/id/sandk50>

Team member 1 ( M. Shalini) : <https://trailblazer.me/id/shalm38>

Team member 2 ( J. Sathya) : <https://trailblazer.me/id/sathj15>

Team member 3 ( M. Sathya) : <https://trailblazer.me/id/sathm48>

## 5 ADVANTAGES

- Improve the behavior and performance of drivers and beat unsafe driving.
- Schedule shifts and work hours.
- Leverage driver retention.
- Track vehicles, assets or professional equipment (even trailers and containers)
- Schedule routine maintenance.
- Manage fuel efficiency.

### DISADVANTAGES

- **Learning Curve:** As with all software systems, fleet management software also comes with a certain learning curve.
- **Extra Cost:** Sure, you are bound to gain a lot from using a fleet management software system.
- **Infrastructure Needs:** You'll face issues using fleet management software systems if you don't have proper network infrastructure.
- **Resistance From Staff:** At least initially, your staff might resist adopting fleet management software systems because they will be under complete surveillance.

## 6 APPLICATIONS

Rapid advancement of the mobility sector, the trend to mobility as a service, the growth of the shared economy and the need for sustainable, eco-friendly solutions, we are extending and evolving our range of vehicle and fleet management services to incorporate connected driving and examinations of electrical vehicles. Our experts are innovating in artificial and virtual intelligence, developing deep learning solutions to secure safety, both on the roads and within our customers' processes.

## 7 CONCLUSION

The Vehicle Management System (VMS) 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 original equipment manufacturers (OEMs) and your dealers in new and used vehicle sales .

## **8 FUTURE SCOPE**

Vehicle management systems are designed to help our clients to **keep track of the vehicles in real-time, plan, execute, and optimize their transportation processes through GPS and data collection.**