

Vehicle Management System Using Salesforce

Date	15 th April 2023
Team ID	NM2023TMID16781
Project Name	Vehicle Management System Using Salesforce
Team Lead	V.HEMNATH
Team Members	D.KARTHIK
	S.NIROSH
	G.MUTHUSIVA



Vehicle Management System Using Salesforce

INTRODUCTION

1.1 Overview

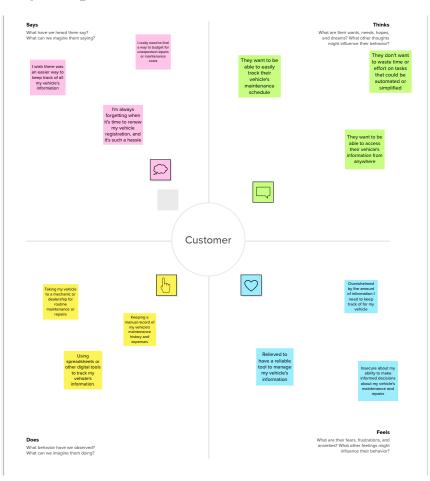
my project, the Vehicle Management System using Salesforce. This project aims to streamline the process of managing a fleet of vehicles by utilizing the power of Salesforce's platform. Through this system, users can easily track the status of their vehicles, monitor maintenance schedules, and generate reports for analysis.

1.2 Purpose

It enables users to easily access and update vehicle details, track driver assignments and schedules, monitor maintenance schedules, and generate reports. By using this system, organizations can improve their operational efficiency, reduce costs, and increase overall productivity

PROBLEM DEFINITION & DESIGN THINKING

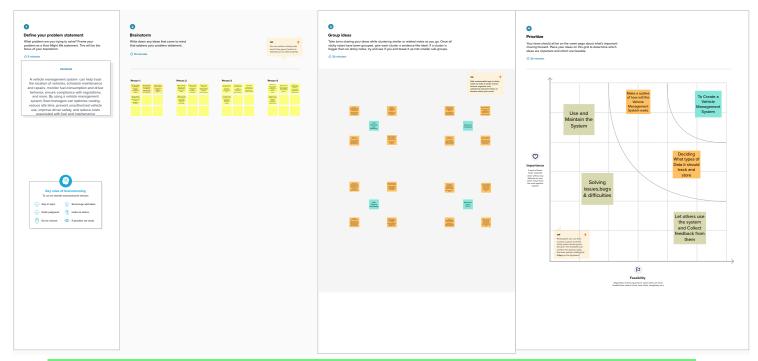
2.1 Empathy Map



Smart Internz

Vehicle Management System Using Salesforce

2.2 Ideation & Brainstorming Map



3. **RESULT**

3.1 Data Model:

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

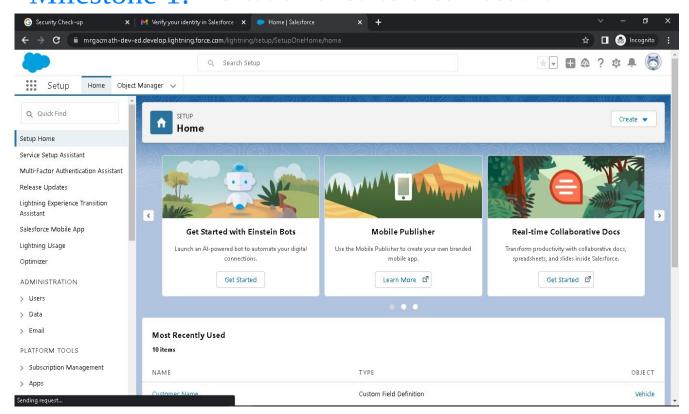
Object Name	Fields in the Object	
Vehicles (Continuation of previous Page)	Field Label	Data Type
	2WHEELERS i) HERO ii)HONDA iii)BAJAJ iv)ROYAL ENFIELD v)TVS vi)KINETIC vii)OLA viii)JAWA ix)SD x)BATTERY	Picklist
	i) RENAULT ii) SKODA iii) HONDA iv) HYUNDAI v) SUZUKI Picklist vi) MAHINDRA vii) VOLKSWAGEN viii) BENZ ix) AUDI x) VOLVO	Picklist
	Vehicle Name	Text
	Vehicle No	Text
	Chassic No	Text
	Colour	Text
	Body Type	Text

Object Name	Fields in the Object	
Vehicles (Continuation of Previous Page)	Field Label	Data Type
	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)

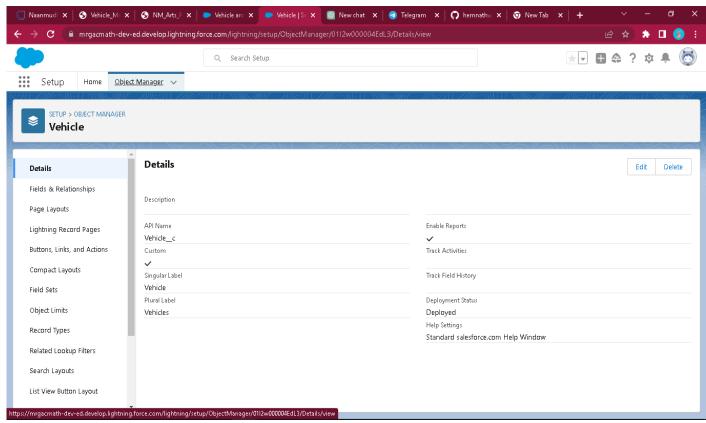
Object Name	Field in the Object	
Driver	Field Label	Data Type
	Driver Name	Text
	Licence No	Text
	Mobile No	Number
	Fair Per Hour	Text
	Vehicle	Lookup(Vehicle)
	Verille	Lookup(veriicie)

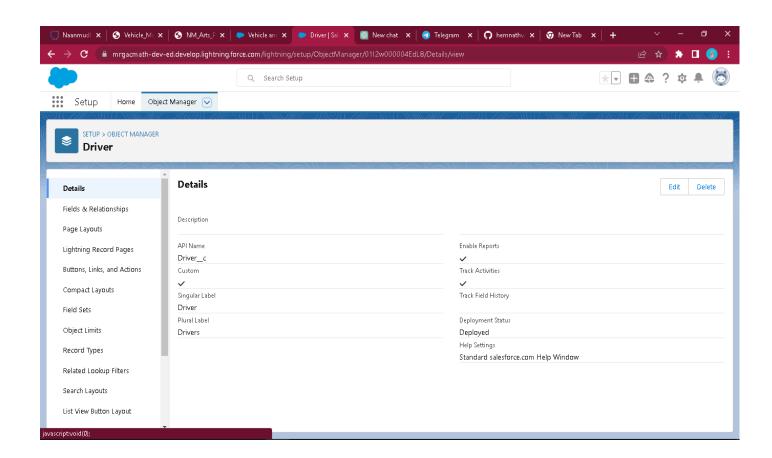
3.2 Activities & Screenshots:

Milestone 1: Creation of Salesforce Account

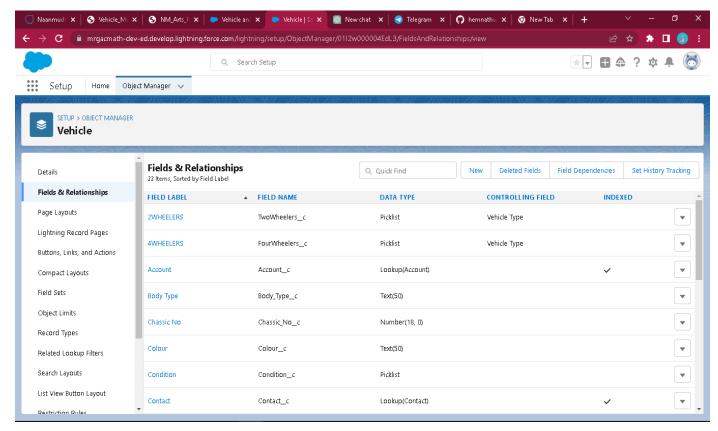


Milestone 2: Creating 'Vehicles, Driver' Objects

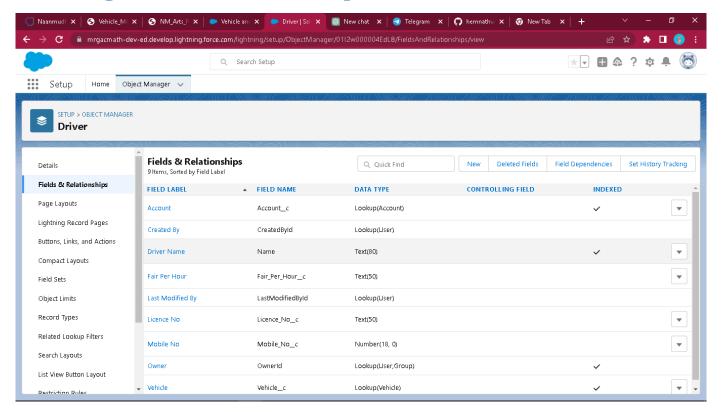




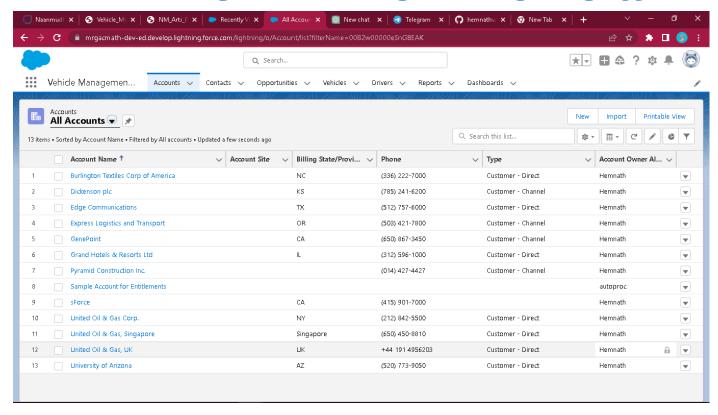
Milestone 3: Creating Fields & Relationships in Vehicles



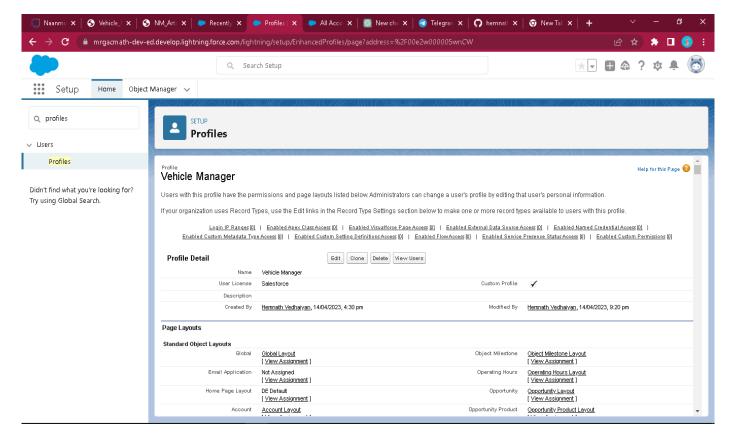
Creating Fields & Relationships in Driver



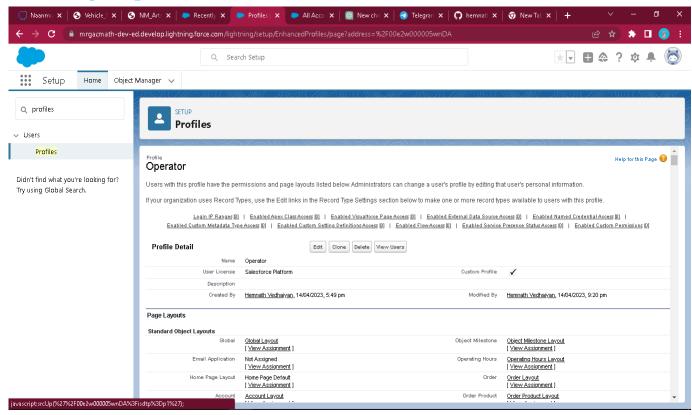
Milestone 4: Creating 'Vehicle Management' Lightning App



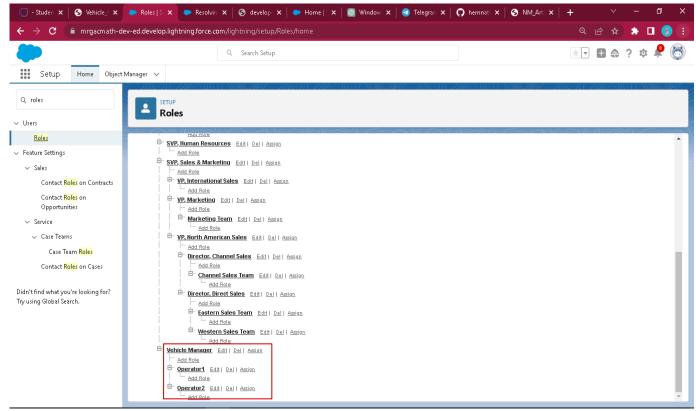
Milestone 5: Creating 'Vehicle Manager' Profile



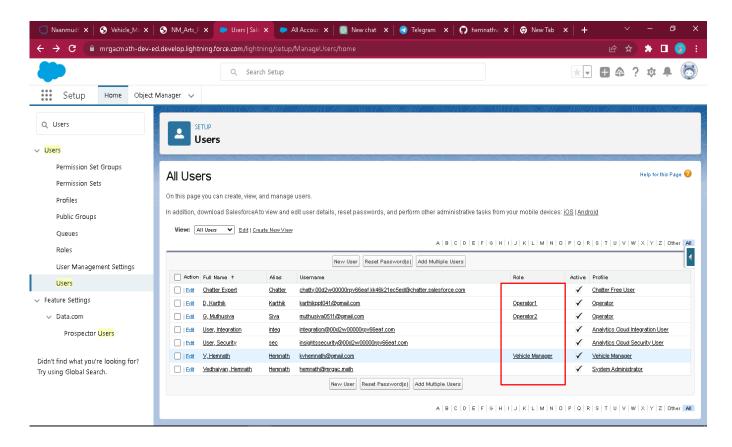
Creating 'Operator' Profile



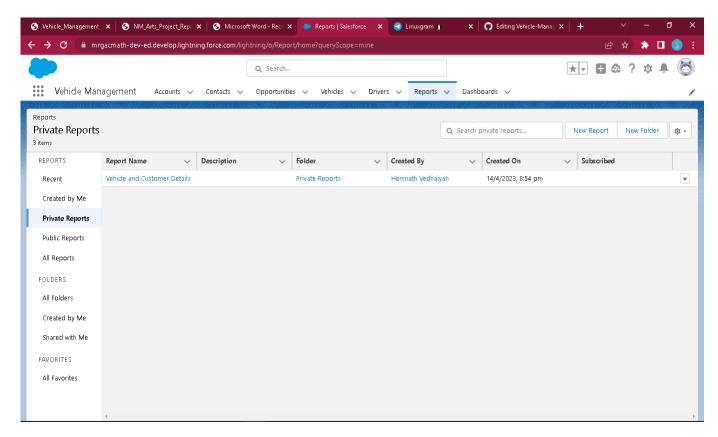
Setting up 'Vehicle Manager, Operator 1, Operator 2' Roles



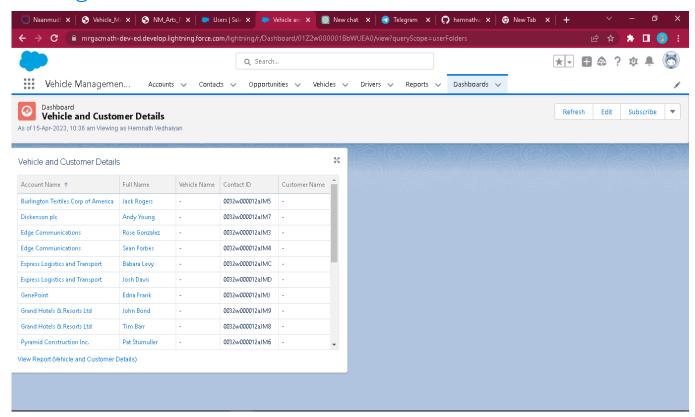
Milestone-6: Creating Users



Milestone-7: Creating New Reports and Dashboard



Creating Dashboard:



4. TRAILHEAD PROFILE PUBLIC URL

Team lead: https://trailblazer.me/id/hemnathv

Team member 1: https://trailblazer.me/id/karthikppt

Team member 2: https://trailblazer.me/id/nirosh21

Team member 3: https://trailblazer.me/id/muthusiva

5. ADVANTAGES AND DISADVANTAGES

Advantages:

- 1. Real-time tracking: A VMS can provide real-time tracking of vehicles, enabling fleet managers to monitor their location, speed, and status at any given time.
- 2. Reduced costs: By optimizing routes and monitoring fuel consumption, a VMS can help reduce overall operating costs for a fleet.
- 3. Enhanced customer service: With real-time tracking and route optimization, a VMS can help improve on-time delivery and provide better customer service.

Disadvantages:

- 1. Implementation costs: Implementing a VMS can be expensive, requiring hardware, software, and personnel to set up and maintain the system.
- 2. Training: Fleet managers and drivers may require training to use the VMS effectively, which can add to the cost and time required for implementation.
- 3. Maintenance: A VMS requires regular maintenance and updates to ensure that it continues to function properly and provide accurate data. This can add to the ongoing cost of using the system.

6. APPLICATIONS

- 1. *Logistics and transportation:* VMS can be used by transportation companies, logistics providers, and delivery services.
- 2. *Public transportation:* VMS can be used by public transit agencies to manage buses, trains, and other vehicles, providing real-time information to passengers and optimizing schedules.
- 3. *Emergency Services:* VMS can be used by emergency services, such as police and fire departments, to manage and dispatch their vehicles in response to emergencies.
- 4. *Rental car companies:* VMS can be used by rental car companies to manage their fleets, track vehicle usage, and optimize maintenance schedules.

In Conclusion,Our system provides real-time tracking, route optimization, and driver behaviour monitoring, enabling fleet managers to reduce costs, improve safety, and enhance customer service

It has the potential to revolutionize fleet management.

This project provided valuable experience and insights into the potential of technology in transportation.

8. FUTURE SCOPE

Providing data analytics and reporting capabilities to help fleet managers make informed decisions and optimize operations.

The future scope for a vehicle management system is vast, with opportunities to incorporate new technologies and features to enhance fleet efficiency, safety, and sustainability. As new technologies emerge and businesses seek to optimize their operations, there will be continued demand for advanced vehicle management systems.