VEHICLE MANAGEMENT SYSTEM APPLICATION USING SALESFORCE

INTRODUCTION

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.

1.1 Overview

A vehicle management system allows tracking the use of all fleet movements. Logistics companies can use the fleet management system to collect, monitor and record vehicle information. The information used in vehicle management software can be imported from external sources.

1.2Purpose

- Improve fleet safety and working conditions
- 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)

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PROBLEM DEFINITION & DESIGN THINKING

Empathy Map

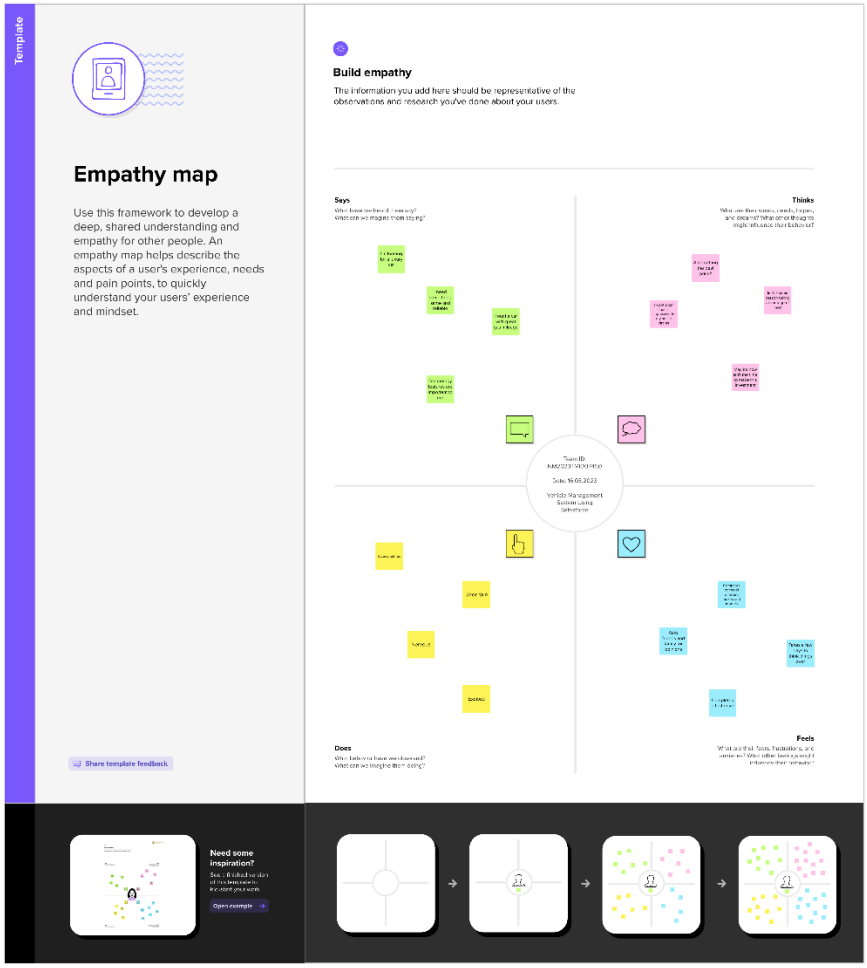

Figure 1- Empathy map on Vehicle System Management done by Our Team

Ideation & Brainstorming Map

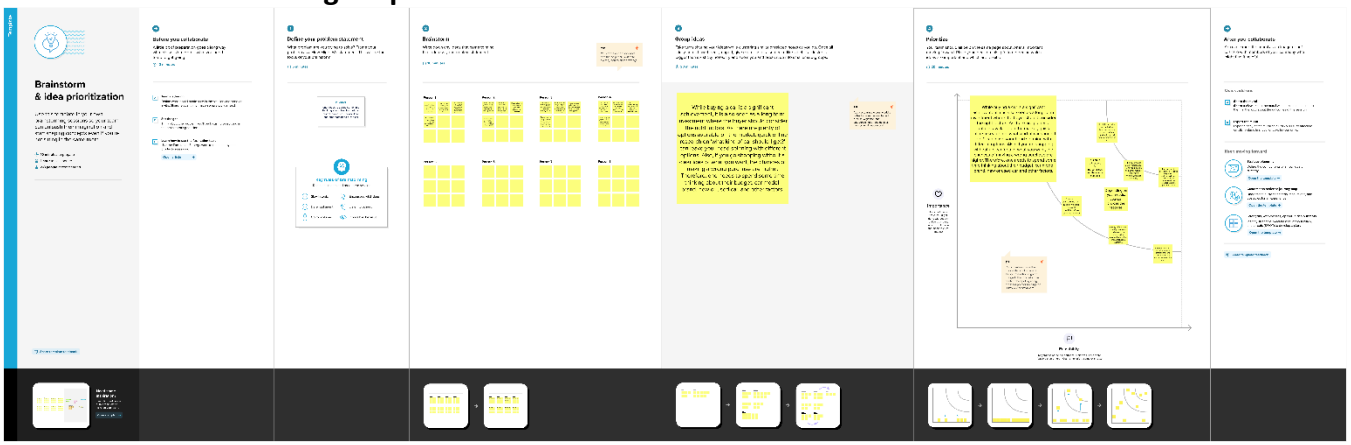

Figure 2 - Brainstorm map on Vehicle System Management done by Our Team

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RESULT

Data Model:

<table>
<tr><th>Object name</th><th>Fields in the Object</th></tr>
<tr><td>Vehicle</td><td>
<table>
<tr><th>Field label</th><th>Data type</th></tr>
<tr><td>Customer Name</td><td>Text</td></tr>
<tr><td>Customer Mobile Number</td><td>Number</td></tr>
<tr><td>Vehicle Type

1. 2 WHEELER
2. 4 WHEELER</td><td>Picklist</td></tr>
<tr><td>2 WHEELERS

1. HERO
2. HONDA
3. BAJAJ
4. ROYAL ENFIELD
5. TVS
6. KINETIC
7. OLA
8. JAWA
9. SD
10. BATTERY</td><td>Picklist</td></tr>
<tr><td>4 WHEELERS

1. RENAULT
2. SKONDA
3. HONDA
4. HYUNDAI
5. SUZUKI
6. MAHINDRA
7. VOLKSWAGEN
8. BENZ
9. AUDI
10. VOLVO</td><td>Picklist</td></tr>
<tr><td>Vehicle Name</td><td>Text</td></tr>
<tr><td>Vehicle Number</td><td>Text</td></tr>
<tr><td>Chassic Number</td><td>Text</td></tr>
<tr><td>Colour</td><td>Text</td></tr>
<tr><td>Body Type</td><td>Text</td></tr>
<tr><td>Vehicle Includes

1. Fire Extenuation
2. First Aid Kit
3. Multi Charger Kit
4. Stepney
5. Stereo
6. Tool Kit
7. Tracking Device
8. Tyre Jack</td><td>Multi Picklist</td></tr>
<tr><td>Condition

1. Good</td><td>Picklist</td></tr>
</table>
</td></tr>
</table>

	2. Medium 3. Least
	Mileage — Text
	Seats — Number
	Start Date — Date/Time
	End Date — Date/Time
	Opportunity — Look up (Opportunities)
Driver	

Field label	Data type
Driver Name	Text
Licence Number	Text
Mobile Number	Number
Fair per Hour	Text
Vehicle	Lookup (Vehicle)

ACTIVITY & SCREENSHOTS

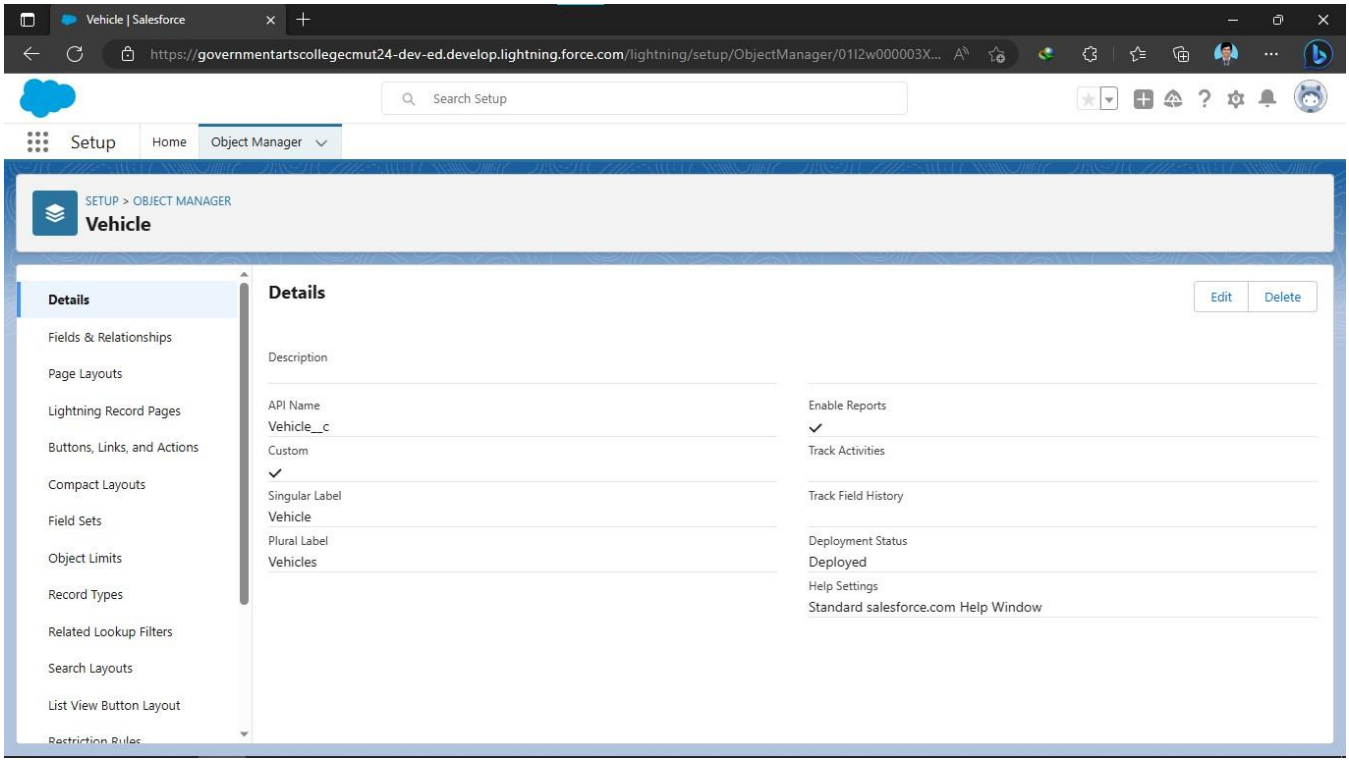

Figure 3 - the details of Object - Vehicle

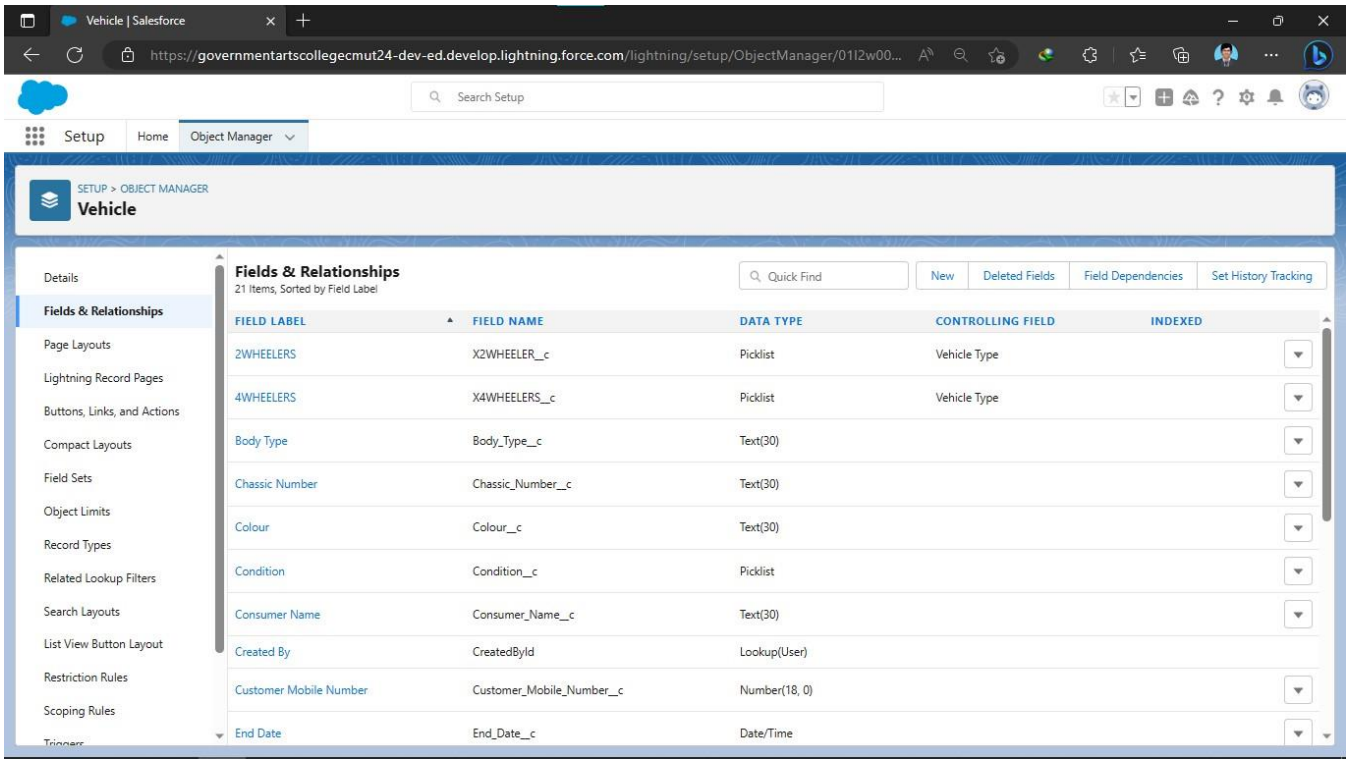

Figure 4 - the details of Fields and Relationships of Object - Vehicle

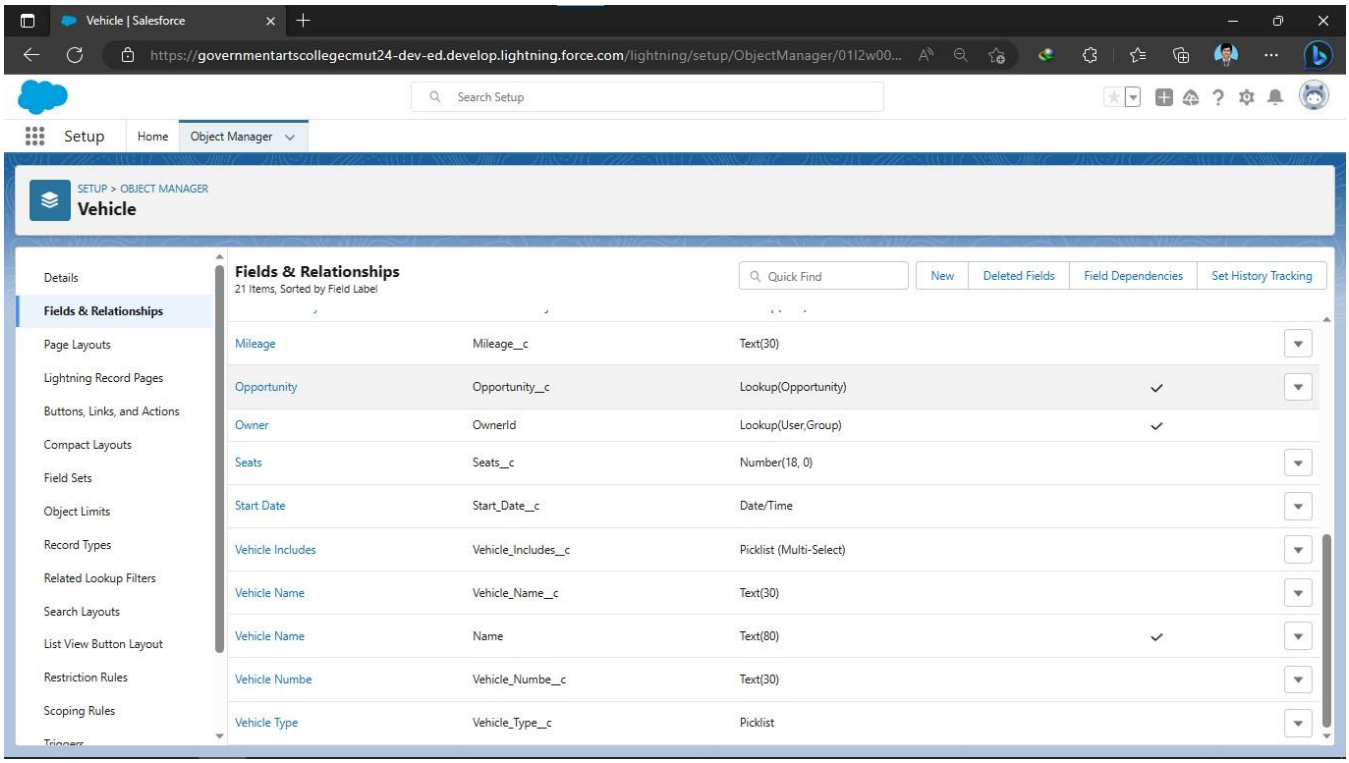

Figure 5- Fields and Relationships details of Object - Vehicle

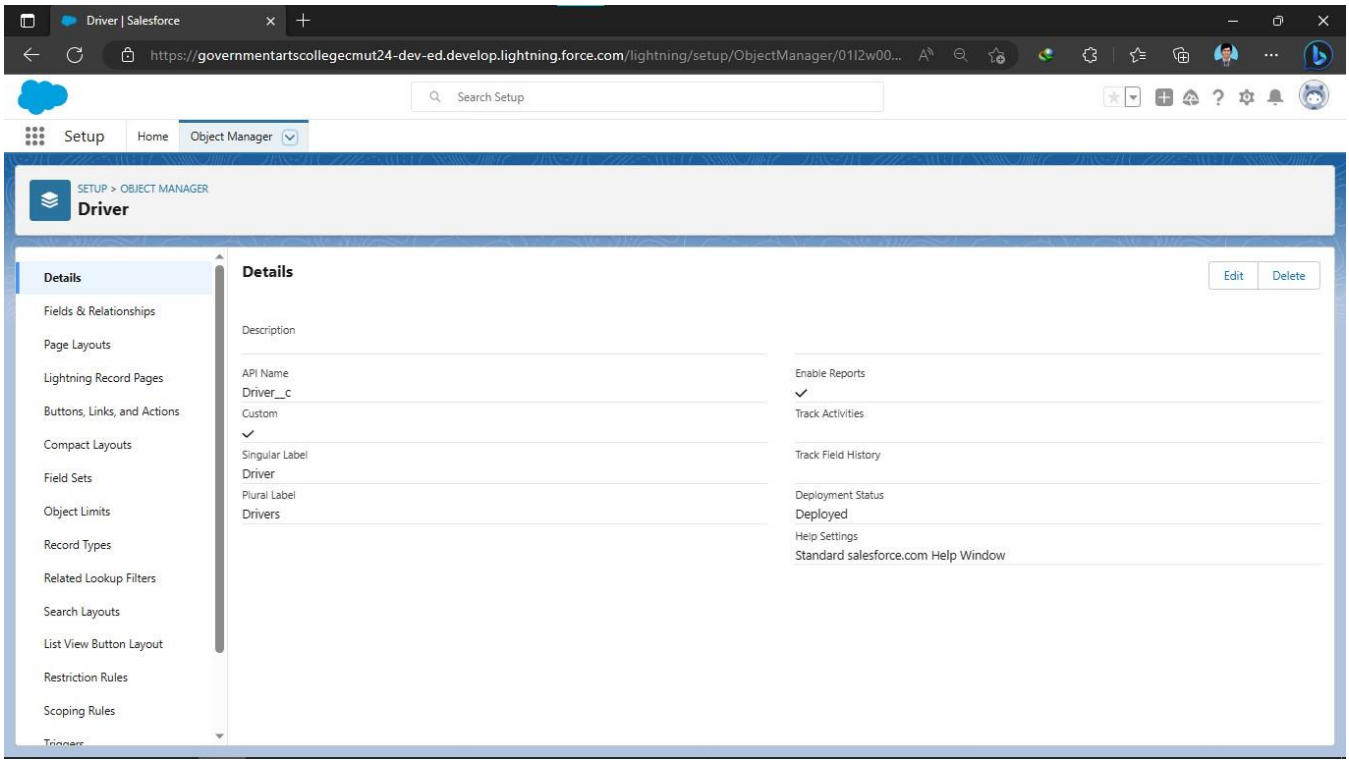

Figure 6 - The details of Object - Driver

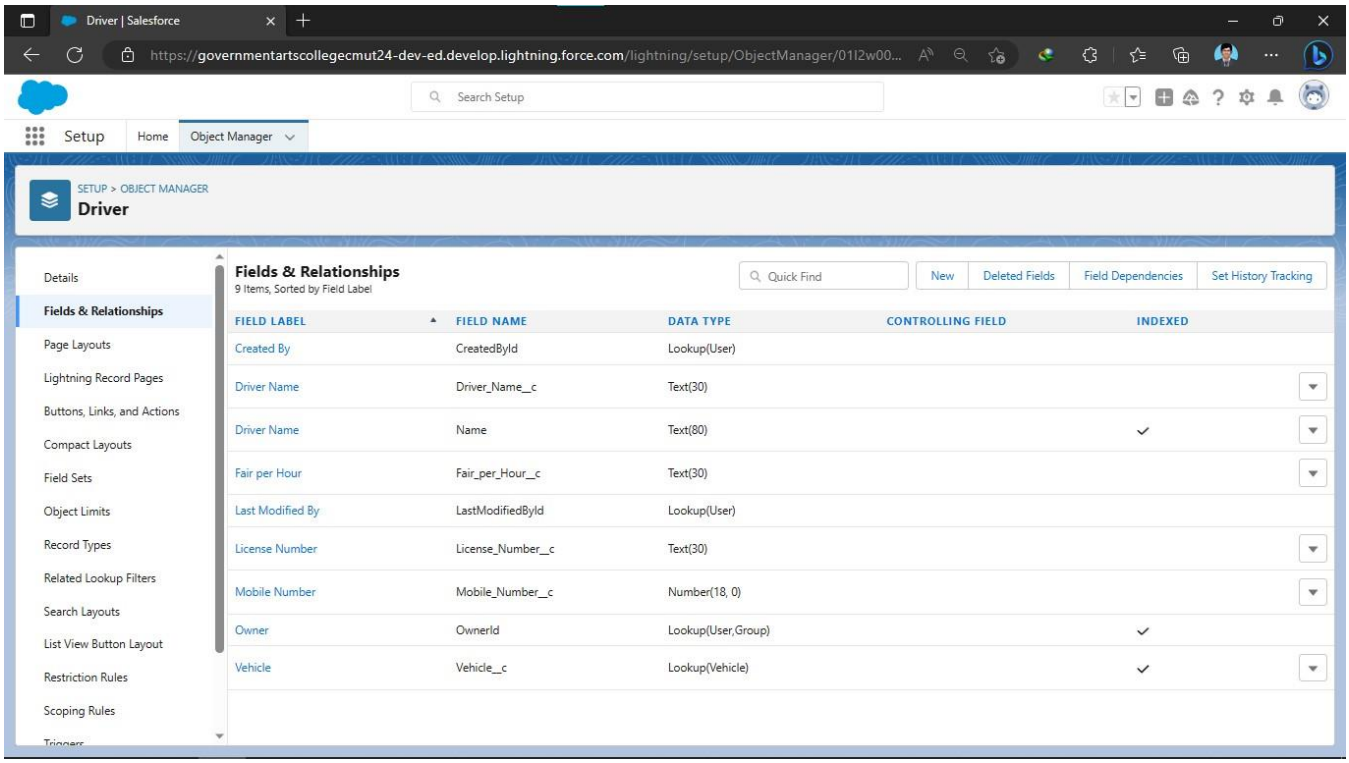

Figure 7 - the details of Fields and Relationships of Object - Driver

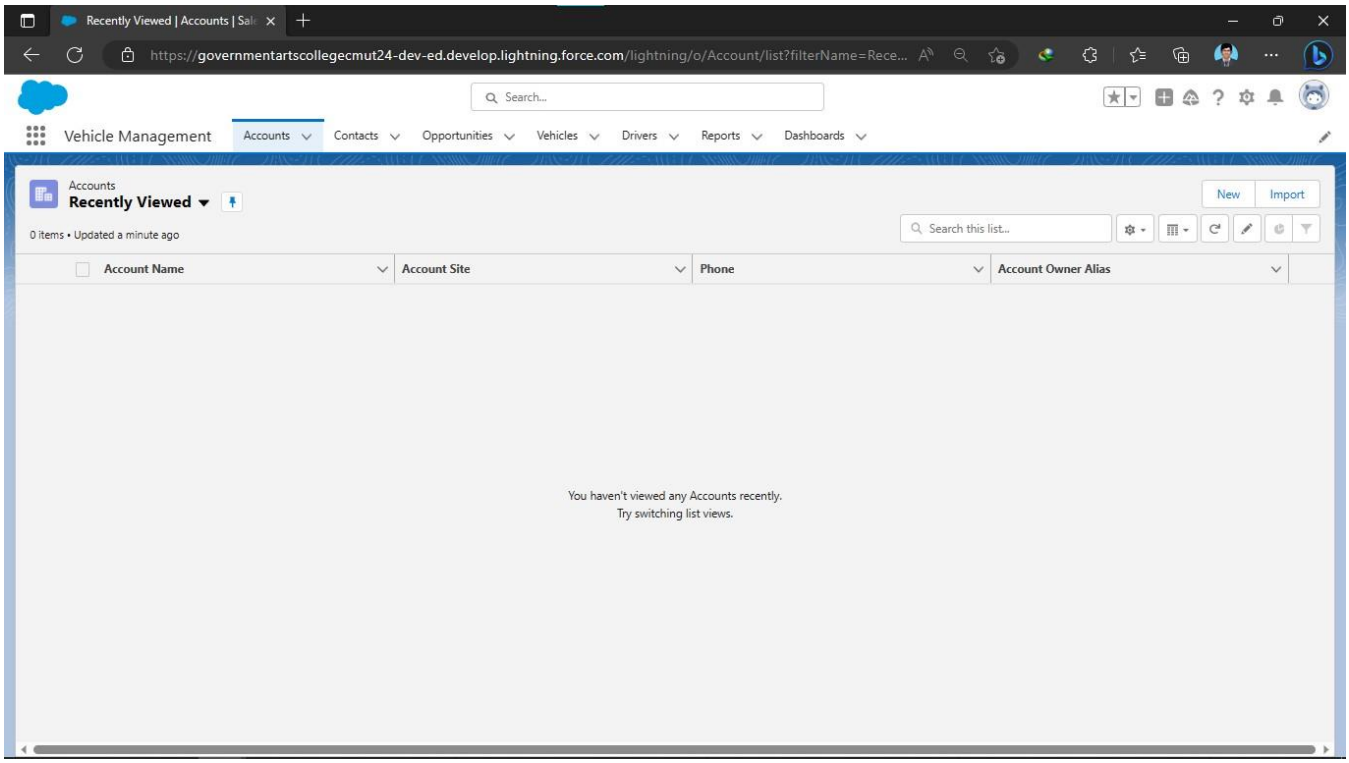

Figure 8 - the outline screen of the Application 'Vehicle Management' created by our team

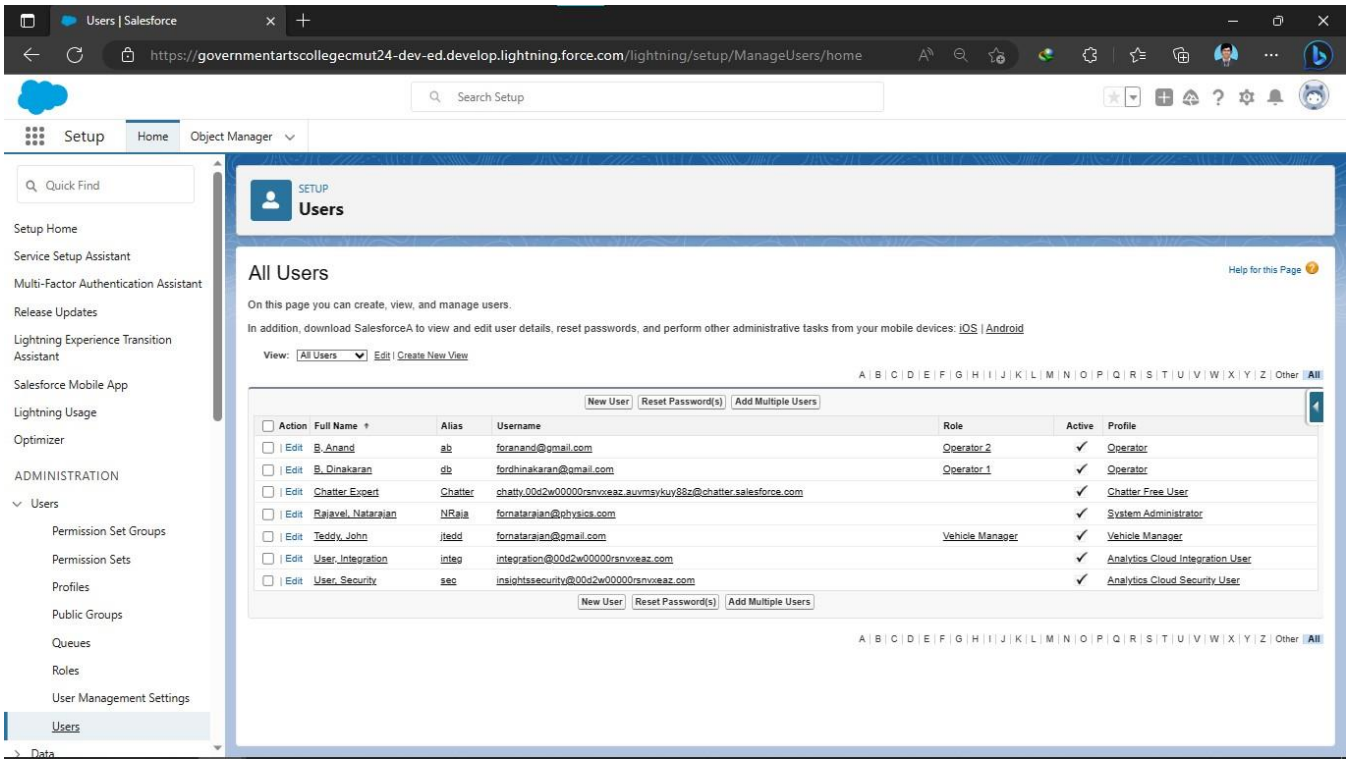

Figure 9 - the users and their assigned works

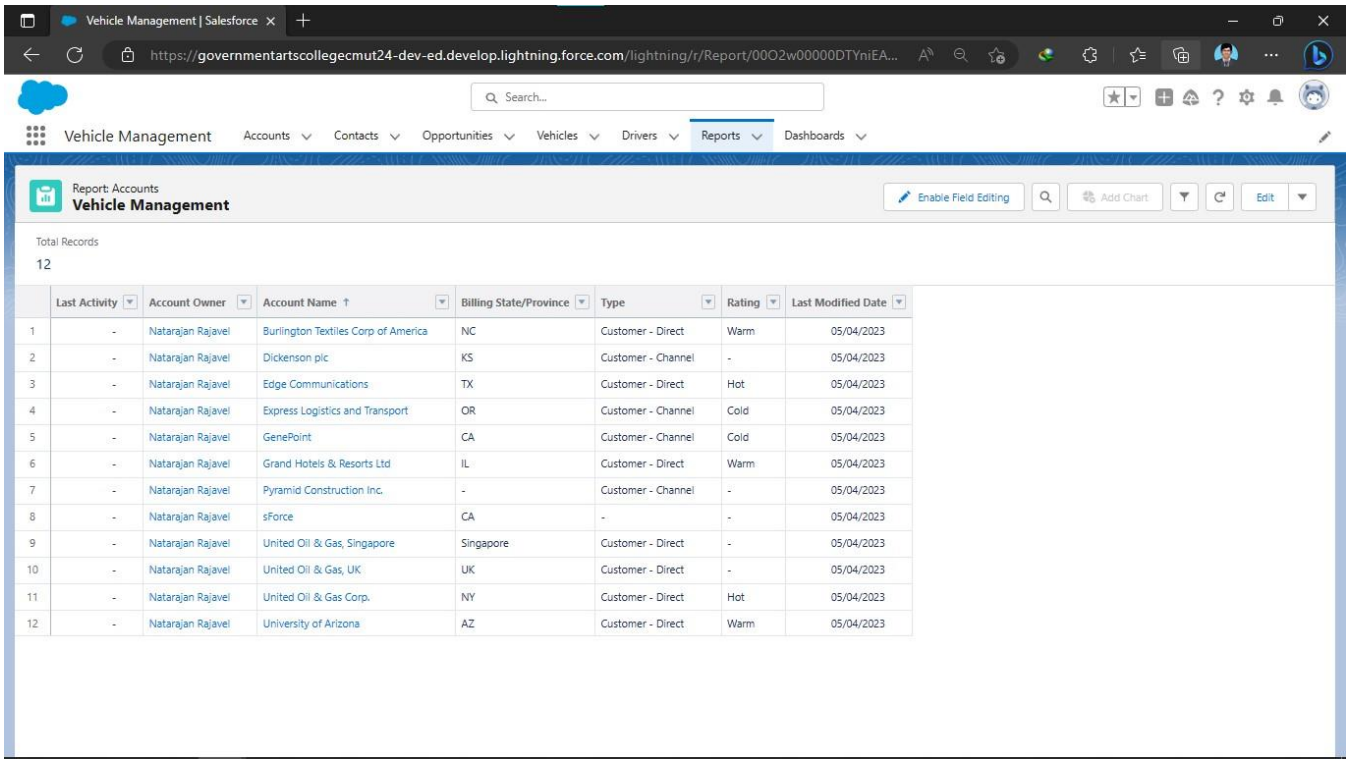

Figure 10 - Finally, the Report created by our Team for Vehicle Management Application using Salesforce

TRAILHEAD PROFILE PUBLIC URL

Team Lead - https://trailblazer.me/id/fornatarajan

Team Member 1 - https://trailblazer.me/id/moviya1

Team Member 2 – https://trailblazer.me/id/m1403

Team Member 3 – https://trailblazer.me/id/ppavithrapandiyan

ADVANTAGES & DISADVANTAGES

Advantages

Cars are a great way to get around. They are also a source of great comfort, Allowing us to travel long distances in a short amount of time. They greatest advantage of cars is that they can be used for many purposes, such as transporting goods or people and even performing medical procedures.

• Then tracking and monitoring allows your Organisation to locate employees that may be impacted by a local incident

• Your people impacted are then able to receive the required care and support. Improved operating efficiency and vehicle safety.

Disadvantages

- It is difficult to track the occupancy.
- More manual hours need to generate required reports.
- It is tedious to track the details of cabs provided by third party.
- There is no possibility to track the approvals of requests.
- No Co-ordination between various department.

APPLICATIONS

- Easy to manage historical reports easily
- Improving traffic management
- Providing driver assistance
- Improving Fuel Efficiency
- Direction and Route Optimization
- Prevents possible crashes
- Security Risks
- Concerns of liability
- Privacy Issues.

CONCLUSION

May be these some disadvantages or other ways to select a car but in my opinion is Vehicle Management System through our demonstrated method is the best way.

FUTURE SCOPE

The surge of demand for parking spaces stems predominantly from two major trends the increase of car ownership and increasing urbanization. To understand the magnitude of parking lot problems municipal communities face when it comes to parking, take a look at the following statistics.

The growing scale of urbanization brings more challenges in terms of infrastructure planning and transportation network- including the rising demand for comfortable parking.

- Searching for parking results in considerable losses in productive time and money.
- Autonomous vehicles will likely present new demands to parking that have to be foreseen and analyzed.