PROJECT REPORT

1 INTRODUCTION

1.1 Overview

Vehicle Management is an application where a customer Details are stored inorder 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.

1.2 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

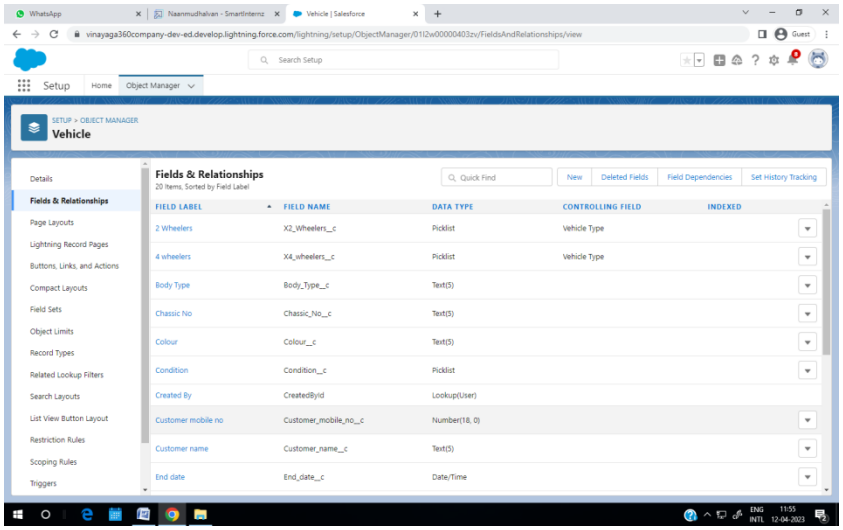
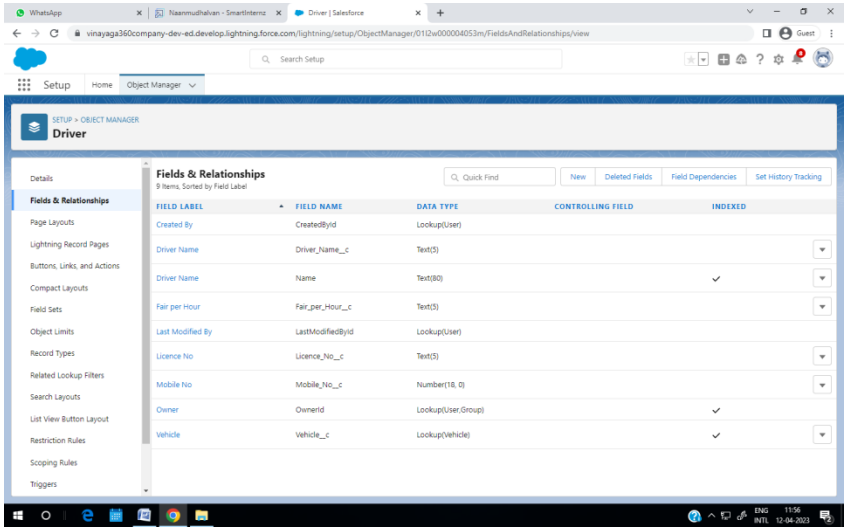
2.2 Ideation & Brain Storming Map

Ideation and Brain Storming Map.pdf

3 RESULT

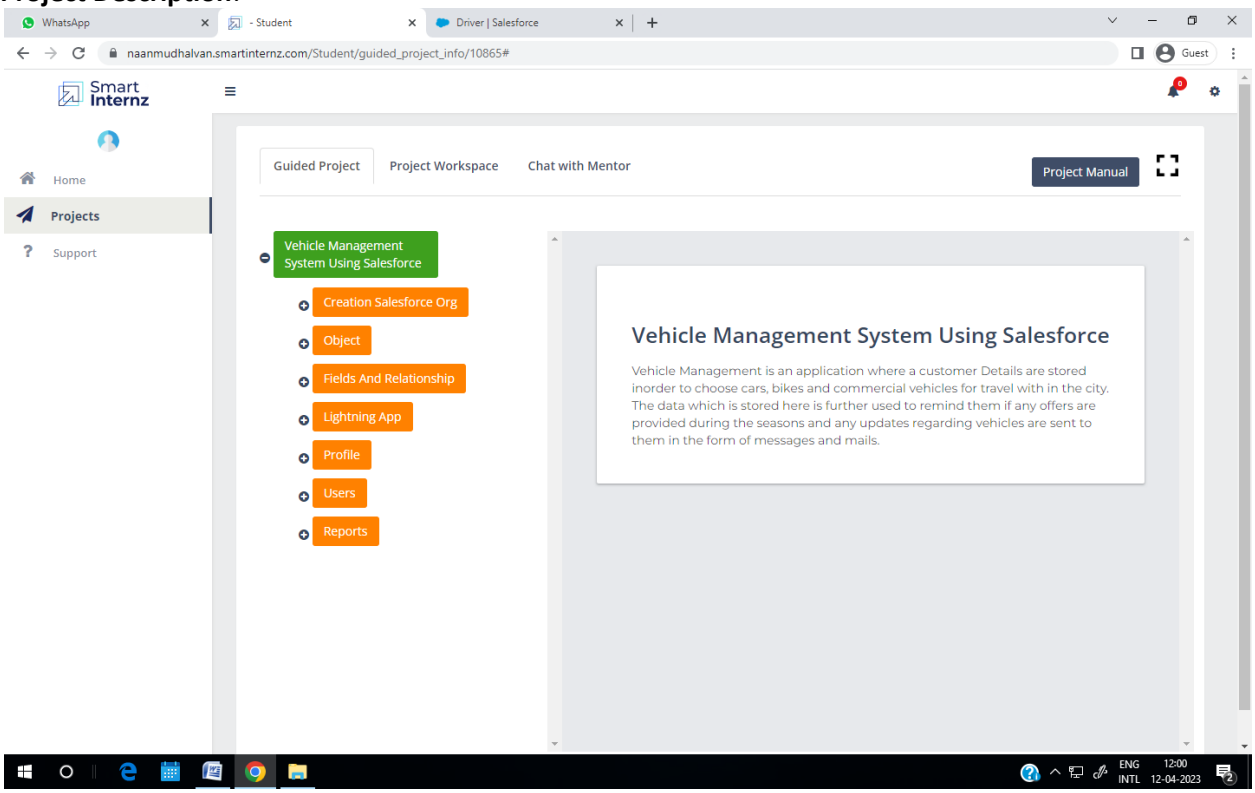
3.1 Data Model

OBJECT NAME	FIELDS IN THE OBJECT

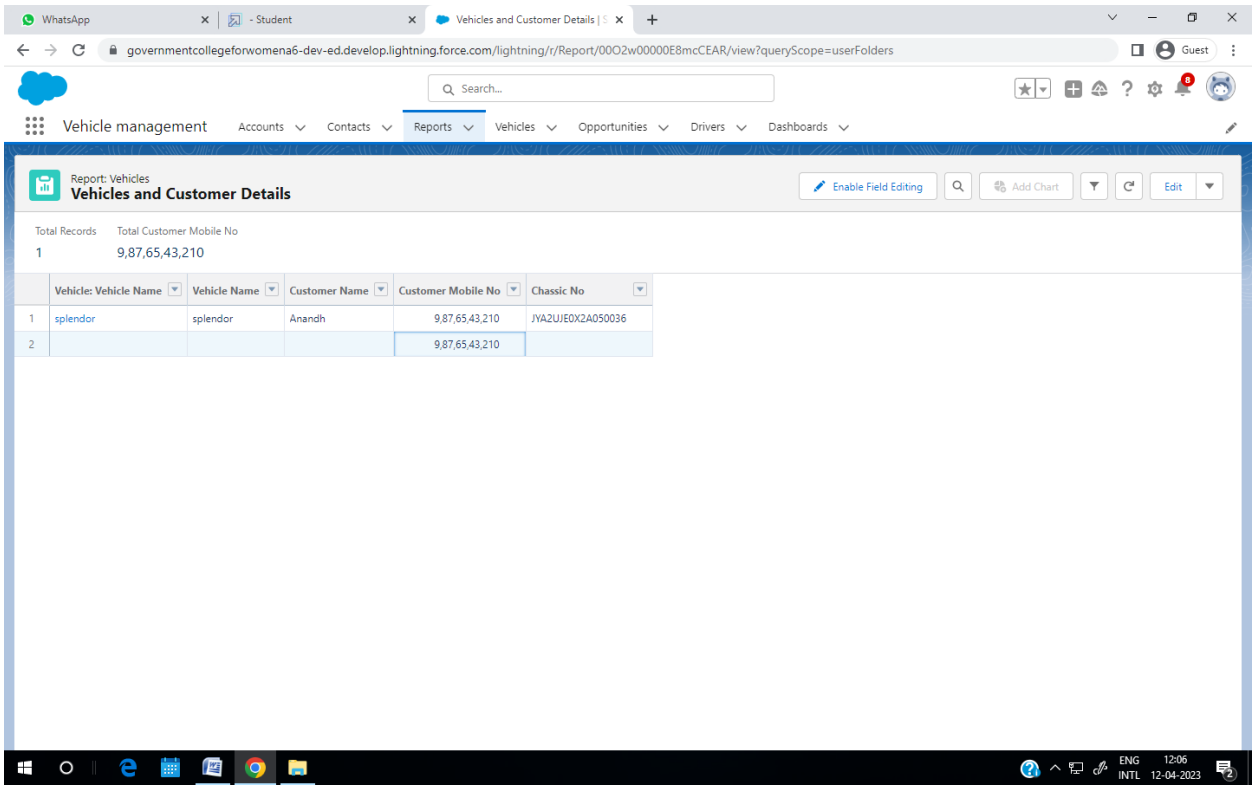
Object 1 – Vehicle	
Object 2 -- Driver	

3.1.1 Activity & Screenshots

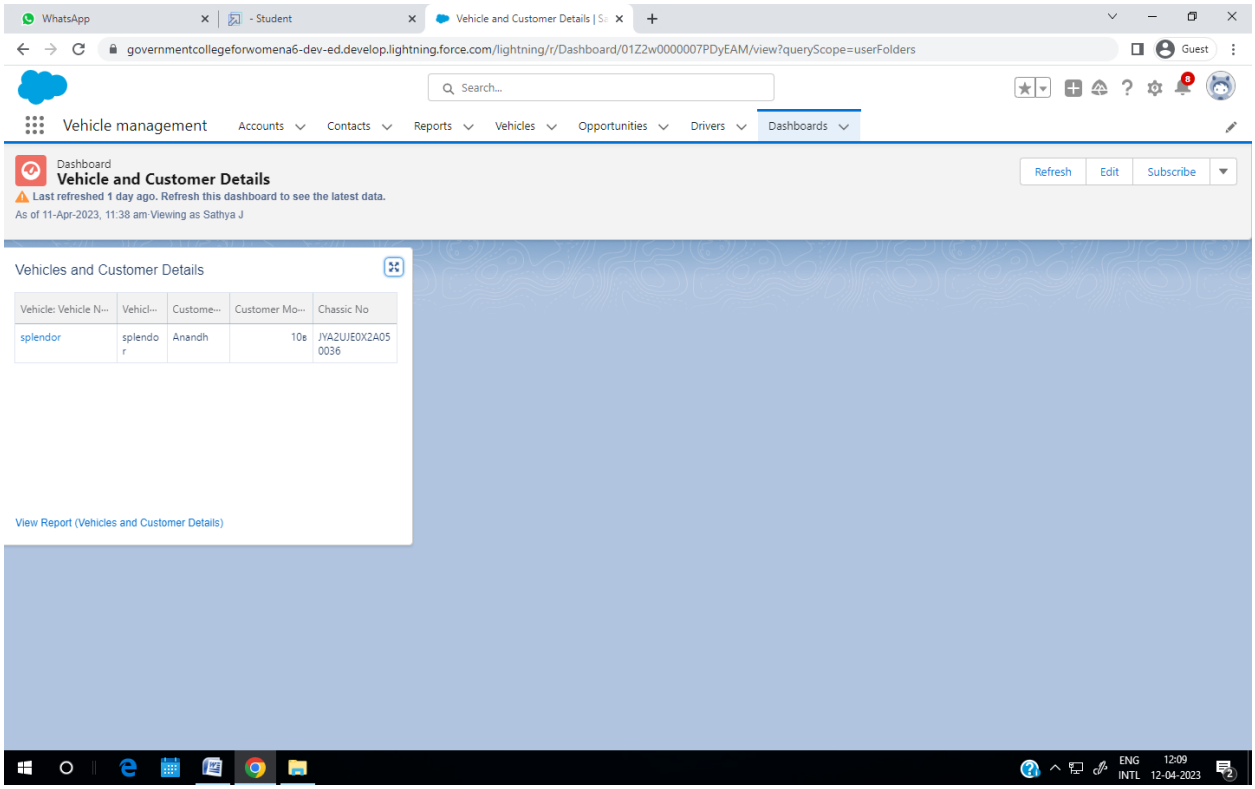
Project Description:



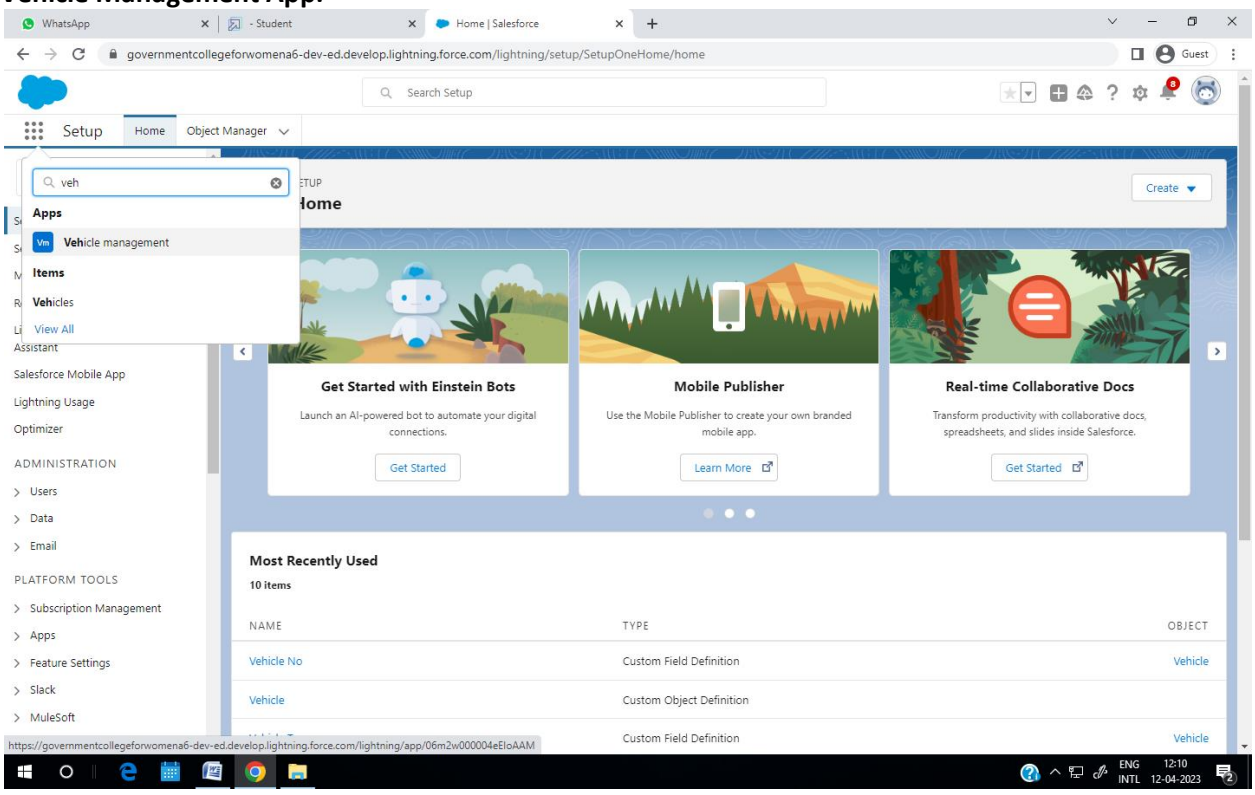
Report of a data:



Dashboard:



Vehicle Management App:



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**.