# 1 INTRODUCTION

1.1 Overview

Vehicle management system is an automated software for the transportation industry or an organization which owns a large number of vehicle & managing fleets. It is an organized code which provides management functions that permit corporations to get rid of or minimize the risks related to vehicles.
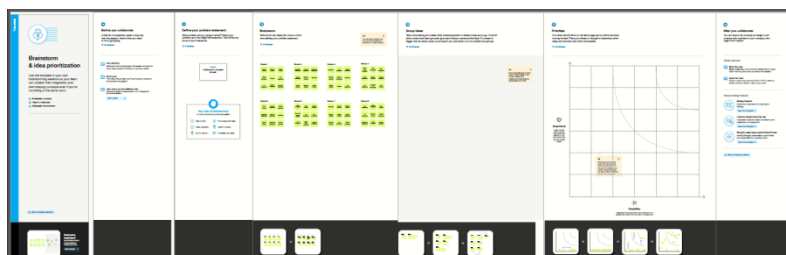
1.2 Purpose

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.

2 Problem Definition and Design Thinking

2.1 Empathy Map
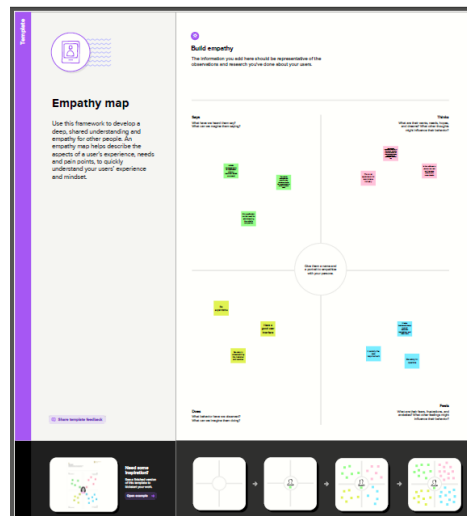
2.2 Ideation and Brainstorming Map

3 RESULT:

3.1 Data Model:

| Object name	Fields in the Object		
Vehicle	1	Customer Name	Text
	2	Customer Mobile No	Number
	3	Vehicle Type i)2 wheeler ii)4 wheeler	Picklist

	4	2WHEELERS
		  i)HERO
		  ii)HONDA
		  iii)BAJAJ
		  iv)ROYAL
		ENFIELD
		  v)TVS
		  vi)KINETIC
		  vii)OLA
		  viii)JAWA
		  ix)SD
		  x)BATTERY
			Picklist

	5	4WHEELERS
		  i)RENAULT
		  ii)SKODA
		  iii)HONDA
		  iv)HYUNDAI
		  v)SUZUKI
		  vi)MAHINDRA
		  vii)VOLKSWAGEN
		  viii)BENZ
		  ix)AUDI
		  x)VOLVO
			Picklist

	6	Vehicle Name	Text
	7	Vehicle No	Text
	8	Chassic No	Text
	9	Colour	Text
	10	Body Type	Text

	11	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

	12	Condition i)Good ii)Medium iii)Least	Picklist
	13	Mileage	Text
	14	Seats	Number
	15	Start Date	Date\Time
	16	End Date	Date\Time
	17	Opportunity	Lookup (opportunities)
Driver	S No	Field	Data Type
	1	Driver Name	Text
	2	Licence No	Text
	3	Mobile No	Number
	4	Fair Per Hour	Text
	5	Vehicle	Lookup (Vehicle)

3.2 Activity and Screenshot

ACTIVITY -1 OBJECT CREATION:

Creation of Objects for Vehicle Management. For this Vehicle Management we need to create 2 objects i.e., Vehicles, Driver.
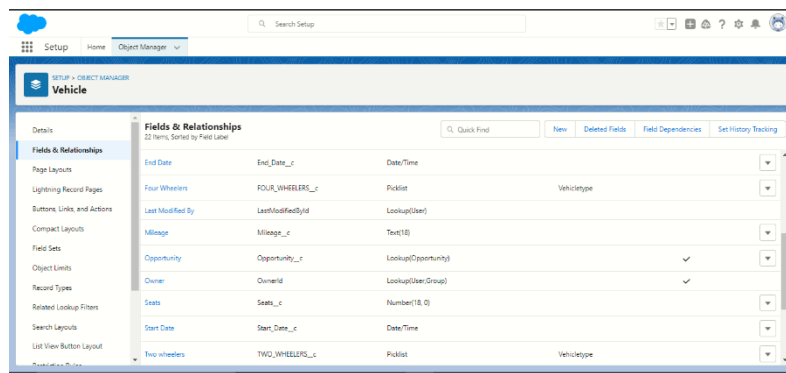
VEHICLE:
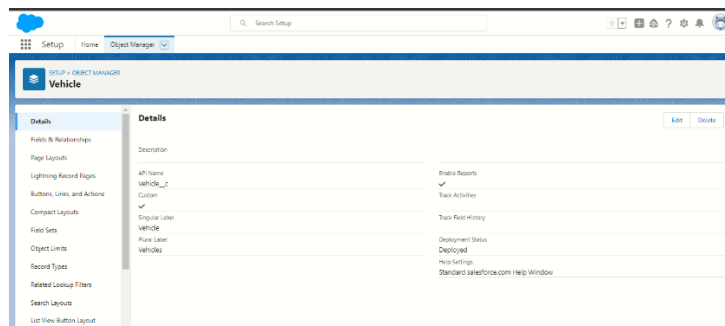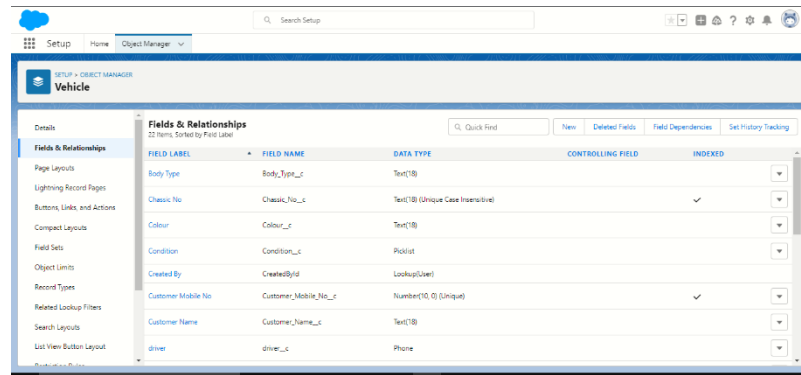
DRIVER:
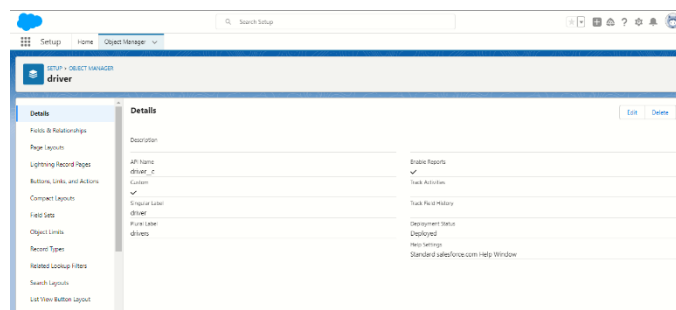
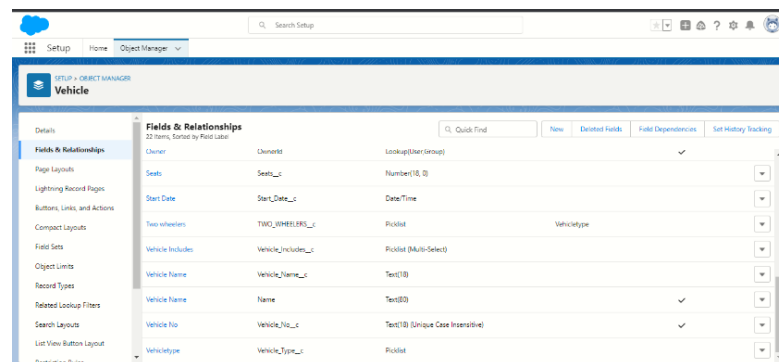**ACTIVITY – 2: FIELDS AND RELATIONSHIPS:**

FIELDS & RELATIONS FOR VEHICLE:

Fields in Vehicles objects are following below data types:
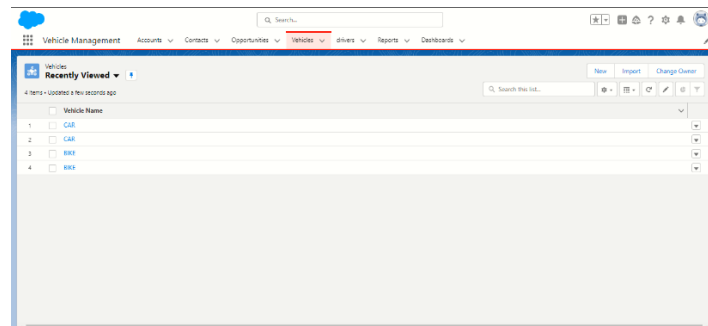

FIELD AND RELATIONSHIPS FOR DRIVER:

Fields in Driver objects are following below data types:
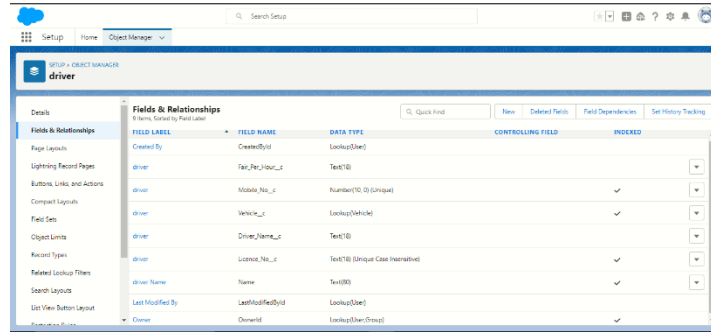
ACTIVITY 3 – LIGHTNING APP:

We have created the Vehicle Management Construction app.

ACTIVITY 4 – PROFILE

Creating a Profiles: We have created a Vehicle Manager profile and set its Object permissions.

Creating a Profiles:
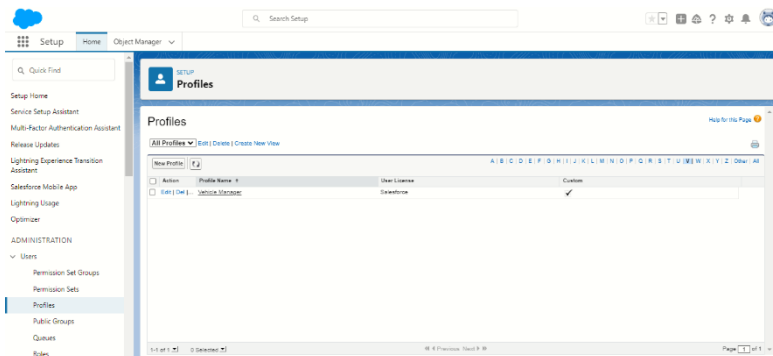
ACTIVITY 5 – USERS:

A user is **anyone who logs in to Salesforce**. Users are employees at your company, such as sales reps, managers, and IT specialists, who need access to the company's records. Every user in Salesforce has a user account.

Creating a Users:
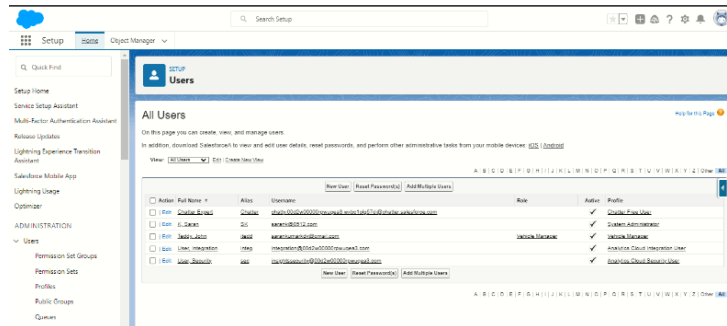
ACTIVITY 6 – REPORTS:

A report is a list of records that meet the criteria you define. It's displayed in Salesforce in rows and columns, and can be filtered, grouped, or displayed in a graphical chart. Every report is stored in a folder. Folders can be public, hidden, or shared, and can be set to read-only or read/write.

Reports And Dashboards:

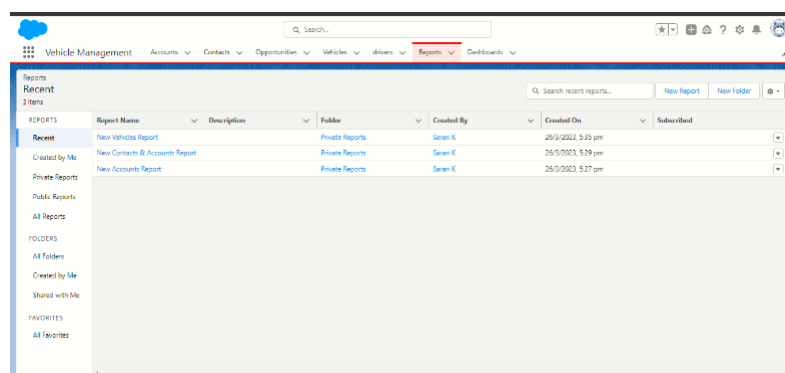## 3   Trailhead Profile Public URL

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 https://trailblazer.me/id/sarak146

M.VINOTHINI (TEAM MEMBER 1)

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4 ADVANTAGES:

A vehicle management system keeps the record of every important function and daily activities such as vehicle type, vehicle fitness, document validity date, insurance policy, etc.

It also keeps the record of driver and helper details to monitories and improves their productivity.

Beside trip and vehicle operation records also be recorded by it.

To keep your company lifetime, detail a vehicle management system provides you the best opportunity.

5 DISADVANTAGES:

It is difficult to manage and maintain Vehicle management system due to use of multiple technologies such as cloud servers, cellular wireless systems, fleet management software etc.

It requires skilled resources to maintain such system. This increases maintenance costs.

6 APPLICATIONS:

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.

7 CONCLUSION:

Vehicle management system using Salesforce help us to keep in contact with our customers. Vehicle management system maintains customer relationship management. This software is useful for both companies and customers.

8 FUTURESCOPE:

This software maintains all the customers details which will help the companies to contact the customers. This application makes the customer to feel secure.