

# Project Report Template

## VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

### 1 INTRODUCTION

#### 1.1 Overview

- (i) Vehicle Management system is proposed with the intention of upgrading the current stand-alone system to a web based or online system.
- (ii) Proposed to smoothen the management process of the vehicle in order to handle the registration and scrapping it .
- (iii) This stand alone concept to web based system , it helps staffs to store and manage data efficiently and in more organized manner.
- (iv) System also accept information about the accident report, so that none of the accident goes unattained .

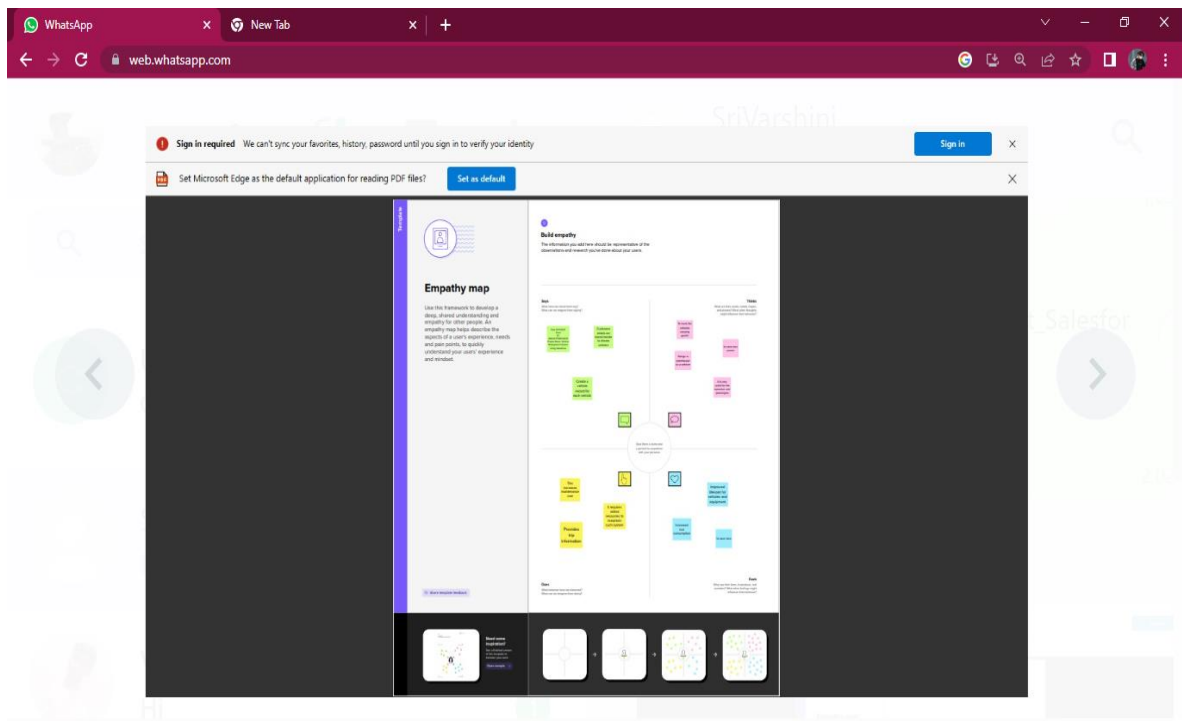
#### 1.2 Purpose

The purpose of the application is to keep the record of text in the editor properly and the different text which is issues to the activities . the availability of content can be easily managed and text having difference system of library.

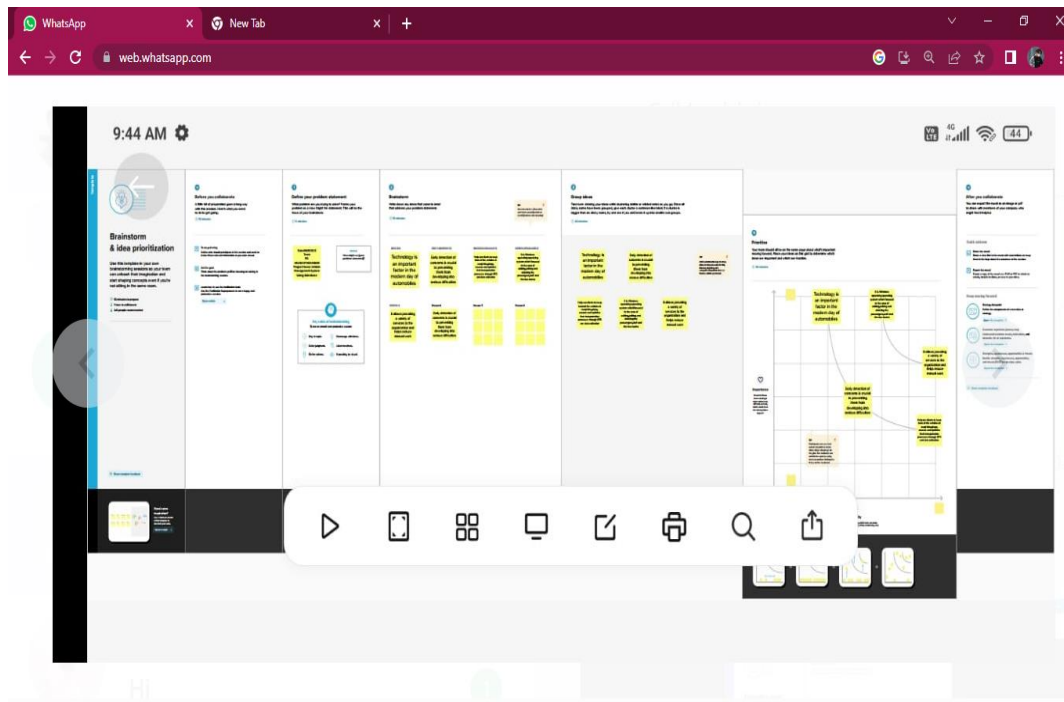
A vehicle management system is a software system of platform that serves to manage commercial fleets of vehicle , such as cars, vans or trucks or even heavy equipment to ensure they're utilized safely , efficiently and professionally, while making sure they're well maintained and high performing .

## 2 Problem Definition & Design Thinking

### 2.1 Empathy Map



## 2.2 Ideation & Brainstorming Map



### 3 RESULT

#### 3.1 Data Model:

Object name	Field in the object	
Vehicle	Field label	Data type
	Customer name	Text
	Customer Mobile no	Number
	2Wheelers (i)Hero (ii)Honda (iii)Bajaj (iv)Royal enfield (v)TVS (vi)Kinetic (vii)Ola (viii)Jawa (ix)SD (x)Battery	Picklist
	4Wheelers (i)Renault (ii)Skoda (iii)Honda (iv)Hyundai	

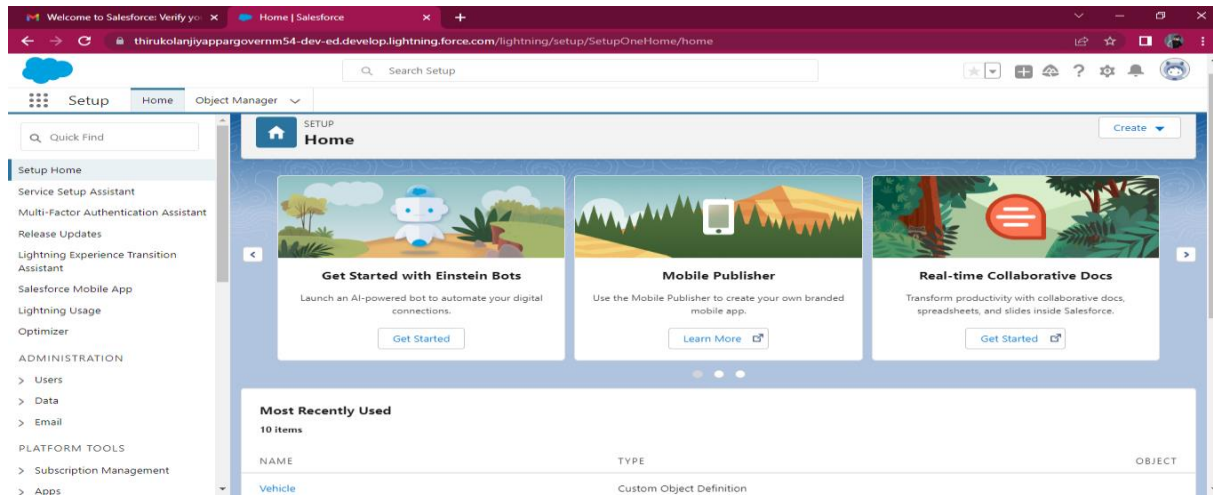
	(v)Suzuki (vi)Mahindra (vii)Volkswagen (viii)Benz (ix)Audi (x)Volvo		
	Vehicle Name	Text	
	Vehicle no	Text	
	Chassic No	Text	
	Colour	Text	
	Body type	Text	
	Vehicle Includes (i)Fire Extenuation (ii)First aid kit (iii)Multi charger kit (iv)Stepney (v)Stereo (vi)Tool kit (vii)Tracking device (viii)Tyre 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	Fields in the object	
Driver	Fields label	Data type
	Driver Name	Text
	Licence No	Text
	Mobile No	Number
	Fair Per Hour	Text
	Vehicle	Lookup(Vehicle)

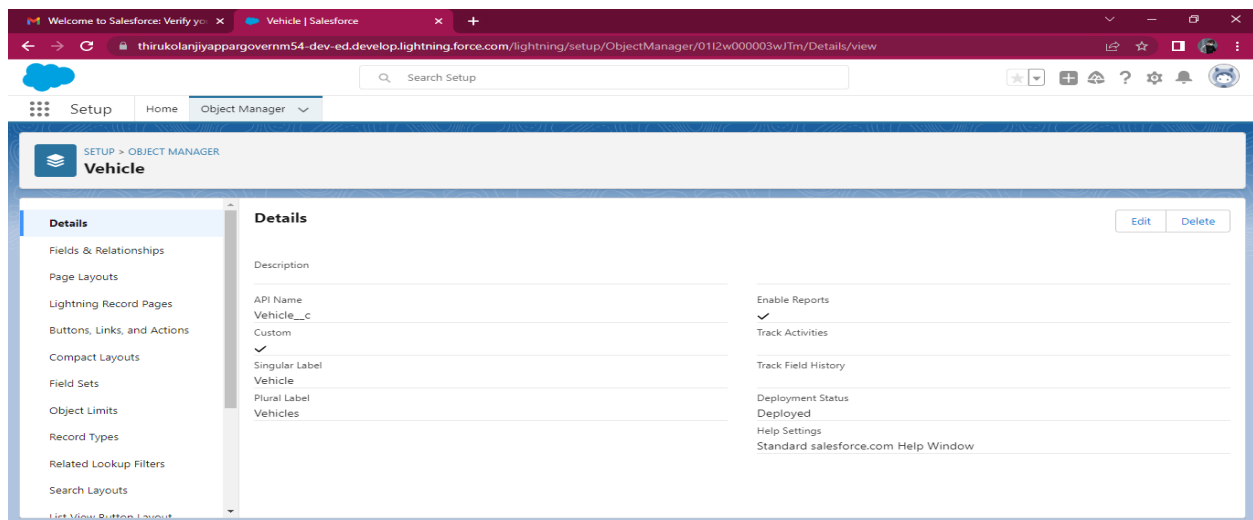
## 3.2 Activity & Screenshot

### Milestone – 1:



### Milestone -2:

#### ACTIVITY – 1:





## ACTIVITY – 2:

The screenshot shows the Salesforce Object Manager interface for the 'Driver' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, and List View Button Layout. The 'Details' section is active, displaying the following information:

- Description:** (Empty text area)
- API Name:** Driver\_\_c
- Custom:** ☒
- Singular Label:** Driver
- Plural Label:** Drivers
- Enable Reports:** ☒
- Track Activities:** ☒
- Track Field History:** ☐
- Deployment Status:** Deployed
- Help Settings:** Standard salesforce.com Help Window

Buttons for 'Edit' and 'Delete' are located in the top right corner of the details section.

## Milestone -3:

### ACTIVITY – 1:

The screenshot shows the Salesforce Object Manager interface for the 'Vehicle' object, specifically the 'Fields & Relationships' section. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, and List View Button Layout. The 'Fields & Relationships' section is active, displaying a table of 22 items, sorted by Field Label. The table has the following columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
2wheelers	X2wheelers__c	Picklist	Vehicle Type	<input type="checkbox"/>
4wheelers	X4wheelers__c	Picklist	Vehicle Type	<input type="checkbox"/>
Body Type	Body_Type__c	Text(10)		<input type="checkbox"/>
Chassic Number	Chassic_Number__c	Text(10)		<input type="checkbox"/>
colour	colour__c	Text(10)		<input type="checkbox"/>
Condition	Condition__c	Picklist (Multi-Select)		<input type="checkbox"/>
Created By	CreatedById	Lookup(User)		<input type="checkbox"/>

Buttons for 'New', 'Deleted Fields', 'Field Dependencies', and 'Set History Tracking' are located in the top right corner of the table.

## ACTIVITY – 2:

The screenshot shows the Salesforce Object Manager interface for the 'Driver' object. The left sidebar lists various setup options, with 'Fields & Relationships' selected. The main area displays a table of fields and their relationships.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Driver Name	Driver_Name__c	Text(10)		
Driver Name	Name	Text(80)		✓
Fair Per Hour	Fair_Per_Hour__c	Text(10)		
Last Modified By	LastModifiedById	Lookup(User)		
Licence Number	Licence_Number__c	Text(10)		
Mobile Number	Mobile_Number__c	Number(10, 0)		
Owner	OwnerId	Lookup(User,Group)		✓

## MILESTONE – 4:

The screenshot shows the 'New Lightning App' setup screen in Salesforce. The page is titled 'App Details & Branding' and includes instructions to give the app a name and description, upload an image, and choose a highlight color.

**App Details**

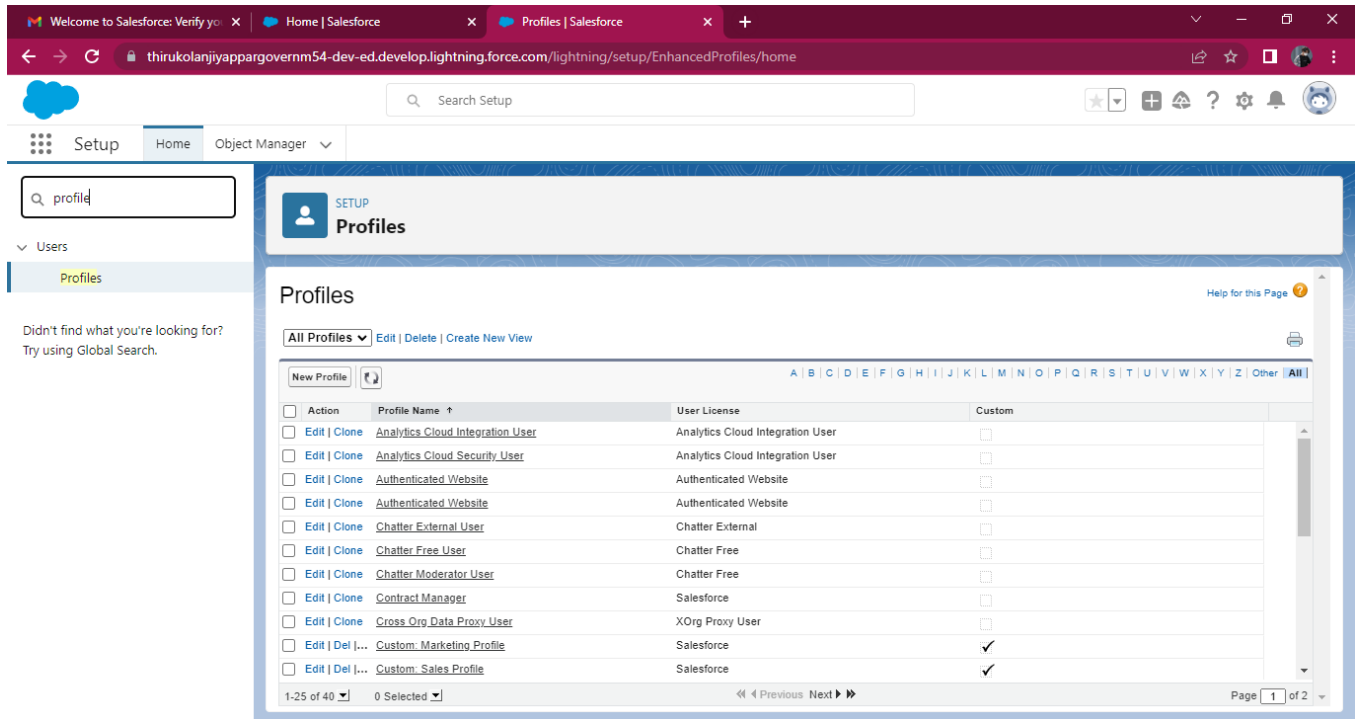
- \* App Name: Vehicle management
- \* Developer Name: Vehicle\_management
- Description: Enter a description...

**App Branding**

- Image: [Image of a person in a car]
- Primary Color Hex Value: #0070D2

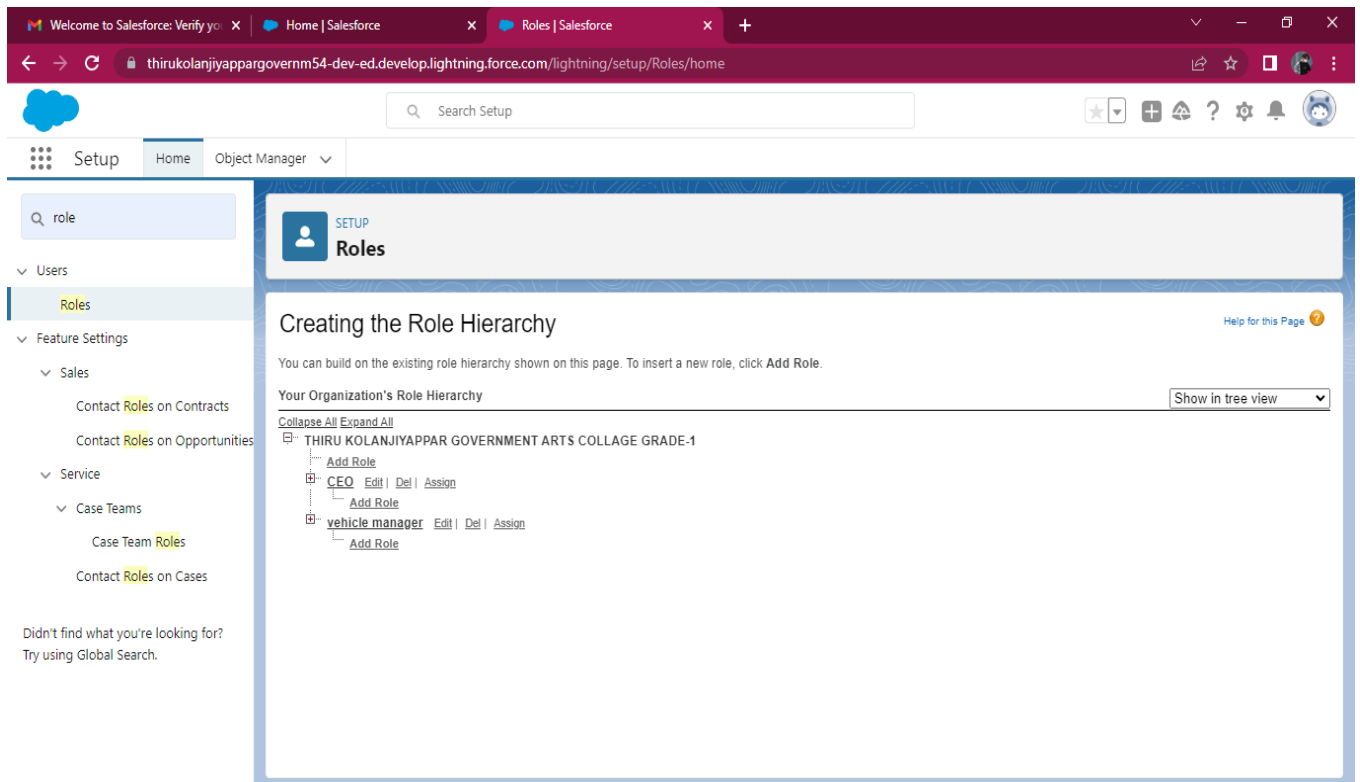
Next

## MILESTONE – 5:



The screenshot shows the Salesforce Setup interface for the 'Profiles' section. The browser address bar indicates the URL: `thirukolanjiyappargovernm54-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/home`. The left sidebar contains a search bar with 'profil' and a list of navigation items: Users, Profiles, and a search result. The main content area is titled 'Profiles' and includes a 'New Profile' button and a table of existing profiles. The table has columns for Action, Profile Name, User License, and Custom. The 'Custom\_Sales\_Profile' is selected. The bottom of the table shows '1-25 of 40' and '0 Selected'.

Action	Profile Name	User License	Custom
<a href="#">Edit</a>   <a href="#">Clone</a>	Analytics Cloud Integration User	Analytics Cloud Integration User	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Clone</a>	Analytics Cloud Security User	Analytics Cloud Integration User	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Clone</a>	Authenticated Website	Authenticated Website	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Clone</a>	Authenticated Website	Authenticated Website	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Clone</a>	Chatter External User	Chatter External	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Clone</a>	Chatter Free User	Chatter Free	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Clone</a>	Chatter Moderator User	Chatter Free	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Clone</a>	Contract Manager	Salesforce	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Clone</a>	Cross Org Data Proxy User	XOrg Proxy User	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>   ...	Custom: Marketing Profile	Salesforce	<input checked="" type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>   ...	Custom: Sales Profile	Salesforce	<input checked="" type="checkbox"/>



The screenshot shows the Salesforce Setup interface for the 'Roles' section. The browser address bar indicates the URL: `thirukolanjiyappargovernm54-dev-ed.develop.lightning.force.com/lightning/setup/Roles/home`. The left sidebar contains a search bar with 'role' and a list of navigation items: Users, Roles, Feature Settings, Sales, Service, and Case Teams. The main content area is titled 'Roles' and includes a 'Creating the Role Hierarchy' section. The section contains a tree view of the role hierarchy, starting with 'THIRU KOLANJIYAPPAR GOVERNMENT ARTS COLLEGE GRADE-1' and branching into 'CEO' and 'vehicle manager'.

**Creating the Role Hierarchy**

You can build on the existing role hierarchy shown on this page. To insert a new role, click **Add Role**.

**Your Organization's Role Hierarchy**

[Collapse All](#) [Expand All](#) [Show in tree view](#)

- THIRU KOLANJIYAPPAR GOVERNMENT ARTS COLLEGE GRADE-1
  - [Add Role](#)
  - CEO [Edit](#) | [Del](#) | [Assign](#)
    - [Add Role](#)
  - vehicle manager [Edit](#) | [Del](#) | [Assign](#)
    - [Add Role](#)

## MILESTONE – 6 Users:

### Activity 1:

The screenshot shows the Salesforce Setup page for Users management. The left sidebar contains navigation options: Setup, Home, Object Manager, and a search bar for 'users'. The main content area is titled 'All Users' and includes a search bar, a 'View: All Users' dropdown, and a 'Create New View' link. Below this is a table of users with columns for Action, Full Name, Alias, Username, Role, Active, and Profile. The table lists six users: Chatter Expert, R.K. Ms. SUJI, R.K. suji, User Integration, User Security, and a System Administrator. Each user has an 'Edit' link and a 'Reset Password(s)' link. The bottom of the page has a 'New User' button and an 'Add Multiple Users' button.

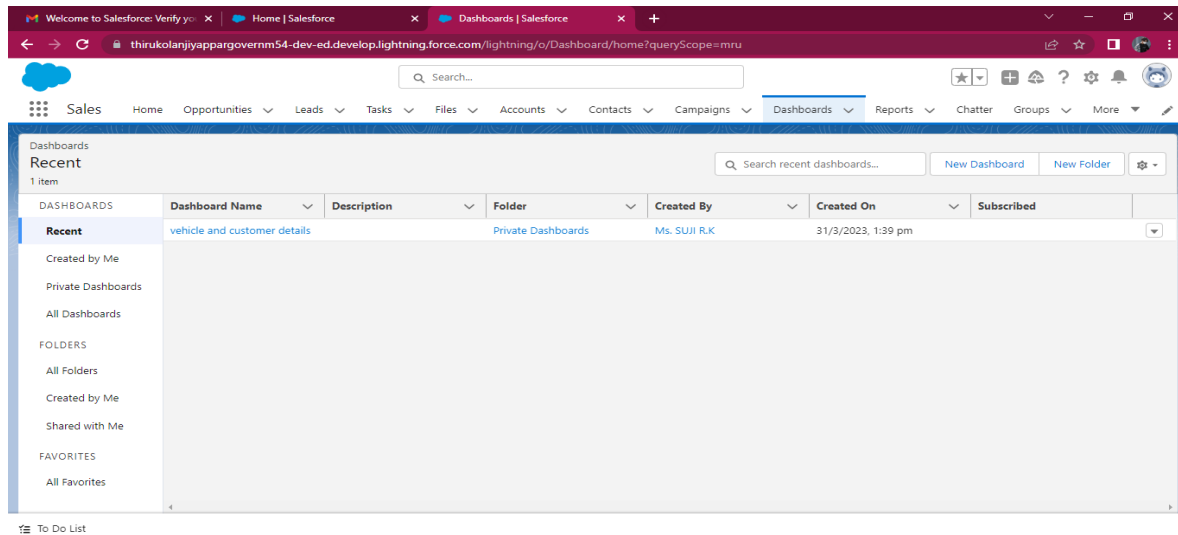
Action	Full Name	Alias	Username	Role	Active	Profile
<a href="#">Edit</a>	Chatter Expert	Chatter	chatty.00d2w00000rk9jeal.019oavch9blw@chatter.salesforce.com		✓	Chatter Free User
<a href="#">Edit</a>	R.K. Ms. SUJI	MR.K	suji143@maths.com		✓	System Administrator
<a href="#">Edit</a>	R.K. suji	sr.k	rkswii1108@gmail.com	vehicle manager	✓	Vehicle Manager
<a href="#">Edit</a>	User Integration	inteq	integration@00d2w00000rk9jeal.com		✓	Analytics Cloud Integration User
<a href="#">Edit</a>	User Security	sec	insightssecurity@00d2w00000rk9jeal.com		✓	Analytics Cloud Security User

## Milestone – 7: Report

The screenshot shows the Salesforce Reports page. The left sidebar contains navigation options: Sales, Home, Opportunities, Leads, Tasks, Files, Accounts, Contacts, Campaigns, Dashboards, Reports, Chatter, Groups, and More. The main content area is titled 'Recent' and includes a search bar for 'Search recent reports...'. Below this is a table of reports with columns for Report Name, Description, Folder, Created By, Created On, and Subscribed. The table lists two reports: 'New Contacts & Accounts Report' and 'New Accounts Report'. Each report has a 'New Report' button and a 'New Folder' button.

Report Name	Description	Folder	Created By	Created On	Subscribed
New Contacts & Accounts Report		Private Reports	Ms. SUJI R.K	31/3/2023, 1:37 pm	
New Accounts Report		Private Reports	Ms. SUJI R.K	31/3/2023, 1:33 pm	

## Milestone – 7: Dashboard



## 4 Trailhead Profile Public URL

**TEAM LEAD: SUJI R.K**

<https://trailblazer.me/id/sujrk>

**TEAM MEMBER 1: SRI VARSHINI M**

<https://trailblazer.me/id/msrivarshini>

**TEAM MEMBER 2: SRIDHANARAJAN K**

<https://trailblazer.me/id/dhana30>

**TEAM MEMBER 3: SURIYA PRAKASH S**

<http://trailblazer.me/id/shari621>

**TEAM MEMBER 4: SURYA S**

<https://trailblazer.me/id/surya02>

**TEAM MEMBER 5: TAMILAVANI T**

<https://trailblazer.me/id/ttamilvani>

## **5 ADVANTAGE**

- (i)** Duplication of the vehicle data is avoided
- (ii)** As vehicle number is already stored in the master therefore human mistakes can be avoided
- (iii)** Timely alerts ensure that penalties are avoided

## **DISADVANTAGE**

- (i)** It requires skilled resources to maintain such system. This increases maintenance costs
- (ii)** GPS device used in fleet management is power hungry which drains battery faster .
- (iii)** GPS signal does not pierce through the walls, solid structures , under water or dense trees

## **6 APPLICATIONS**

This system for vehicle management will provide the complete details required for perfect maintenance. It will also include the details of breakdown service contact, particularly based on the geographical locations, which will enable the user to easily locate the nearby service centers.

Added with, it also reflects the next service date as a reminder sent in the form of SMS to your mobile phone. Undeniably, our application will overall increase your user satisfaction alongside increasing the sales to the Service Centers that are tied up with your business.

## **7 CONCLUSION**

The corporate company's vehicle management application has rich user interface that novice users can access easily. This application provides the management reports like occupancy report, approval status report, to track the usage of company's transport facility.

## **8 FUTURE SCOPE**

- (i) To register and keep the information about all vehicle.
- (ii) To build up a system that provides and generates the summary
- (iii) Report from the database records in order to get the whole view about the vehicles amounts.
- (iv) Summarize the accidental records and responds for the further improvements.
- (v) A web based tool where user can search for additional information of the vehicle.







