

# *Project Report*

## **VEHICLE MANAGEMENT**

### **INTRODUCTION**

#### **Overview**

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

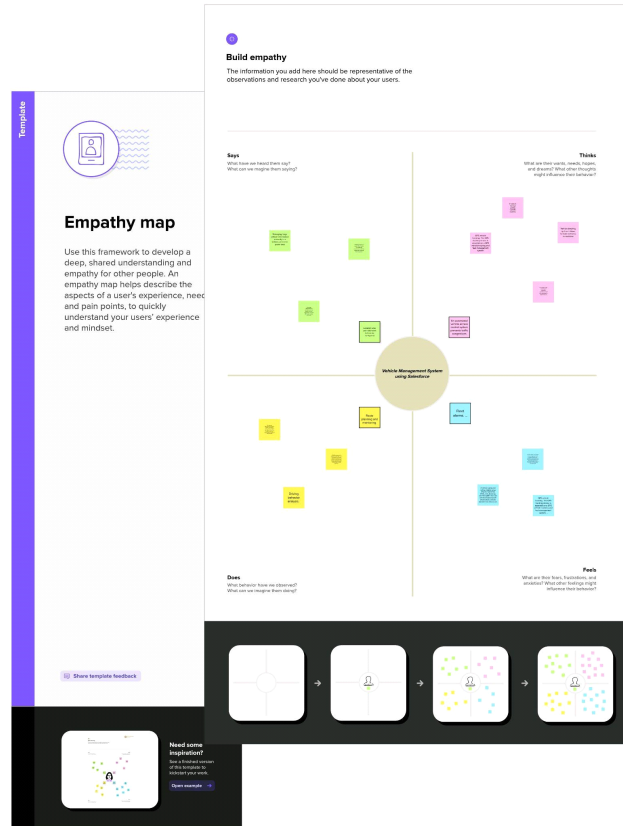
#### **Purpose**

Depending on the type of vehicle management system

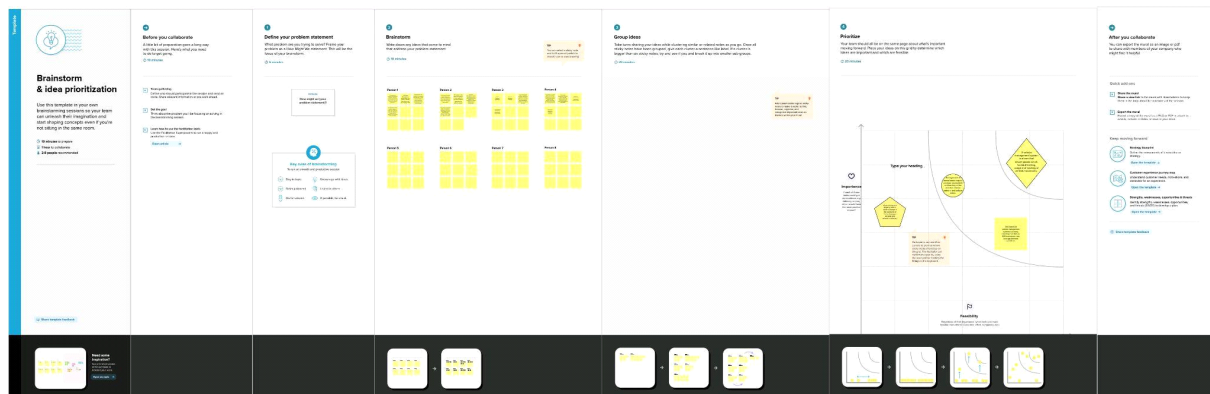
- ❖ Improve fleet safety and working conditions
- ❖ Improve the behavior and performance of drivers and beat unsafe driving
- ❖ Schedule shifts and work hours
- ❖ Manage fuel efficiency
- ❖ Track vehicles, assets or professional equipment

PROBLEM DEFINITION  
& DESIGN THINKING

#### **2.1 Empathy map**



## 2.2 Ideation & Brainstorming Map



**RESULT**

### 3.1 Data Model:

<u>Object name</u>	<u>Fields in the Object</u>																																				
<u>Obj1</u>	<table><tr><th><u>Field label</u></th><th><u>Data type</u></th></tr><tr><td>Customer Name</td><td>Text</td></tr><tr><td>Customer Mobile No</td><td>Number</td></tr><tr><td>Vehicle Type</td><td>Picklist</td></tr><tr><td>2 WHEELERS</td><td>Picklist</td></tr><tr><td>4 WHEELERS</td><td>Picklist</td></tr><tr><td>Vehicle Name</td><td>Text</td></tr><tr><td>Vehicle No</td><td>Text</td></tr><tr><td>Chassic No</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</td><td>Multi Picklist</td></tr><tr><td>Condition</td><td>Picklist</td></tr><tr><td>Mileage</td><td>Text</td></tr><tr><td>Seats</td><td>Number</td></tr><tr><td>Start Date</td><td>Date/Time</td></tr><tr><td>End Date</td><td>Date/Time</td></tr><tr><td>Opportunity</td><td>Lookup(opportunity)</td></tr></table>	<u>Field label</u>	<u>Data type</u>	Customer Name	Text	Customer Mobile No	Number	Vehicle Type	Picklist	2 WHEELERS	Picklist	4 WHEELERS	Picklist	Vehicle Name	Text	Vehicle No	Text	Chassic No	Text	Colour	Text	Body Type	Text	Vehicle Includes	Multi Picklist	Condition	Picklist	Mileage	Text	Seats	Number	Start Date	Date/Time	End Date	Date/Time	Opportunity	Lookup(opportunity)
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Mileage	Text																																				
Seats	Number																																				
Start Date	Date/Time																																				
End Date	Date/Time																																				
Opportunity	Lookup(opportunity)																																				

**Obj2**

<u>Field label</u>	<u>Data type</u>
<b>Driver Name</b>	<b>Text</b>
<b>Licence No</b>	<b>Text</b>
<b>Mobile No</b>	<b>Number</b>
<b>Fair Per Hour</b>	<b>Text</b>
<b>Vehicle</b>	<b>Lookup(Vehicle)</b>

### **3.2 Activity & Screenshot**

The screenshot displays the Salesforce Object Manager interface for the 'Driver Object'. The left sidebar shows navigation options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area, titled 'Fields & Relationships', shows a list of 9 items sorted by Field Label. The fields are:

Field Label	Field Name	Data Type	Required
Driver Name	Driver_Name__c	Text(180)	
Driver Object Name	Name	Text(80)	✓
Fair Per Hour	Fair_Per_Hour__c	Text(180)	
Last Modified By	LastModifiedById	Lookup(User)	
Licence No	Licence_No__c	Text(180)	
Mobile No	Mobile_No__c	Number(18, 0)	
Owner	OwnerId	Lookup(User, Group)	✓
Vehicle	vehicle__c	Lookup(vehicle)	✓

The interface includes a 'Quick Find' search bar and tabs for 'New', 'Deleted Fields', 'Field Dependencies', and 'Set History Tracking'. The bottom status bar shows the date and time: Wednesday, April 12, 2023, 4:55 AM.

Driver Object | Salesforce

thiruvalluvargovernmentar97-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/012w000003RGRm/FieldsAndRelationships/view

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Driver Object**

Details

**Fields & Relationships**  
9 Items, Sorted by Field Label

Q Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Driver Name	Driver_Name__c	Text(180)		
Driver Object Name	Name	Text(80)		✓
Fair Per Hour	Fair_Per_Hour__c	Text(180)		
Last Modified By	LastModifiedById	Lookup(User)		
Licence No	Licence_No__c	Text(180)		
Mobile No	Mobile_No__c	Number(18, 0)		
Owner	OwnerId	Lookup(User,Group)		✓

https://thiruvalluvargovernmentar97-dev-ed.develop.lightning.force.com/one/one.app#/setup/ObjectManager/012w000003RGRm/FieldsAndRelationships/view

Search the web and Windows

4:54 AM  
4/12/2023

Vehicle Object | Salesforce

thiruvalluvargovernmentar97-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/012w000003RGRS/FieldsAndRelationships/view

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Vehicle Object**

Details

**Fields & Relationships**  
21 Items, Sorted by Field Label

Q Quick Find New Deleted Fields Field Dependencies Set History Tracking

Seats	Seats__c	Number(18, 0)		
Start Date	Start_Date__c	Date/Time		
Two wheelers	Two_wheelers__c	Picklist	4 Wheelers	
Vehicle Includes	Vehicle_Includes__c	Picklist (Multi-Select)		
Vehicle Name	Vehicle_Name__c	Text(180)		
Vehicle No	Vehicle_No__c	Text(180)		
Vehicle Object Name	Name	Text(80)		✓
Vehicle Type	Vehicle_Type__c	Picklist	Two wheelers	

Search the web and Windows

4:54 AM  
4/12/2023

Vehicle Object | Salesforce

thiruvalluvgovernmentar97-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/012w000003RGRS/FieldsAndRelationships/view

Setup Home Object Manager

Vehicle Object

Details

Fields & Relationships

21 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

Last Modified By	LastModifiedById	Lookup(User)	
Mileage	Mileage__c	Text(180)	
Opportunity	Opportunity__c	Lookup(Opportunity)	✓
Owner	OwnerId	Lookup(User,Group)	✓
Seats	Seats__c	Number(18, 0)	
Start Date	Start_Date__c	Date/Time	
Two wheelers	Two_wheelers__c	Picklist	4 Wheelers
Vehicle Includes	Vehicle_Includes__c	Picklist (Multi-Select)	

Search the web and Windows

4:54 AM 4/12/2023

Vehicle Object | Salesforce

thiruvalluvgovernmentar97-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/012w000003RGRS/FieldsAndRelationships/view

Setup Home Object Manager

Vehicle Object

Details

Fields & Relationships

21 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
4 Wheelers	X4_Wheelers__c	Picklist		
Body Type	Body_Type__c	Text(180)		
Chassic No	Chassic_No__c	Text(180)		
Colour	Colour__c	Text(180)		
Condition	Condition__c	Picklist		
Created By	CreatedById	Lookup(User)		
Customer Mobile No	Customer_Mobile_No__c	Number(18, 0)		

Search the web and Windows

4:53 AM 4/12/2023

Vehicle Object | Salesforce

thiruvalluvgovernmentar97-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003RGRS/FieldsAndRelationships/view

Setup Home Object Manager

Vehicle Object

Details

Fields & Relationships

21 Items, Sorted by Field Label

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New Deleted Fields Field Dependencies Set History Tracking

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Colour	Colour__c	Text(180)		
Condition	Condition__c	Picklist		
Created By	CreatedById	Lookup(User)		
Customer Mobile No	Customer_Mobile_No__c	Number(18, 0)		

https://thiruvalluvgovernmentar97-dev-ed.develop.lightning.force.com/one.app#/setup/ObjectManager/0112w000003RGRS/FieldsAndRelationships/view

Search the web and Windows

4:53 AM 4/12/2023

Driver Object | Salesforce

thiruvalluvgovernmentar97-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003RGRm/Details/view

Setup Home Object Manager

Driver Object

Details

Edit Delete

Description

API Name  
Driver\_Object\_\_c

Custom  
✓

Singular Label  
Driver Object

Plural Label  
Driver Objects

Enable Reports

Track Activities

Track Field History

Deployment Status  
Deployed

Help Settings  
Standard salesforce.com Help Window

javascript:void(0)

Search the web and Windows

4:53 AM 4/12/2023

Vehicle Object | Salesforce

thiruvalluvgovernmentar97-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003RGRS/Details/view

Setup Home Object Manager

### SETUP > OBJECT MANAGER

## Vehicle Object

**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

Details

Edit Delete

Description

API Name

Vehicle\_Object\_\_c

Custom

✓

Singular Label

Vehicle Object

Plural Label

Vehicle Objects

Enable Reports

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

javascript:void(0)

Search the web and Windows

4:53 AM 4/12/2023

Dashboards | Salesforce

thiruvalluvgovernmentar97-dev-ed.develop.lightning.force.com/lightning/o/Dashboard/home?queryScope=mru

Search...

Sales Home Opportunities Leads Tasks Files Accounts Contacts Campaigns Dashboards Reports Chatter People More

### Dashboards

Recent

2 items

Search recent dashboards... New Dashboard New Folder

DASHBOARDS	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Vehicle and Customer Details		Private Dashboards	Gowtham T	5/4/2023, 4:31 pm	
Created by Me	Vehicle and Customer Details		Private Dashboards	Gowtham T	5/4/2023, 4:26 pm	
Private Dashboards						
All Dashboards						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						

To Do List

Search the web and Windows

5:12 AM 4/12/2023



Reports | Salesforce

thiruvalluvargovernmentar97-dev-ed.develop.lightning.force.com/lightning/o/Report/home?queryScope=mru

Search...

Sales Home Opportunities Leads Tasks Files Accounts Contacts Campaigns Dashboards Reports Chatter People More

### Reports

#### Recent

1 item

Search recent reports... New Report New Folder

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Vehicle and Customer Details		Private Reports	Gowtham T	5/4/2023, 4:30 pm	
Created by Me						
Private Reports						
Public Reports						
All Reports						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						

To Do List

Users | Salesforce

thiruvalluvargovernmentar97-dev-ed.develop.lightning.force.com/lightning/setup/ManageUsers/home

Search Setup

Setup Home Object Manager

### Users

#### All Users

On this page you can create, view, and manage users.

In addition, download SalesforceA to view and edit user details, reset passwords, and perform other administrative tasks from your mobile devices: [iOS](#) | [Android](#)

View: All Users Edit Create New View

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	Chatter Expert	Chatter	chatterv00g2w00000romp4eal.v84p5fmr5nk@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit	T.Gowtham	GT	gowtham@tpac.com		✓	System Administrator
<input type="checkbox"/> Edit	User Integration	integ	integration@00g2w000000romp4eal.com		✓	Analytics Cloud Integration User
<input type="checkbox"/> Edit	User Security	sec	insightsecurity@00g2w000000romp4eal.com		✓	Analytics Cloud Security User

New User Reset Password(s) Add Multiple Users

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Didn't find what you're looking for? Try using Global Search.

Roles | Salesforce

thiruvalluvargovernmentar97-dev-ed.develop.lightning.force.com/lightning/setup/Roles/home

Setup Roles

### 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](#)

- Thiruvalluvar government arts College
  - Add Role**
  - CEO [Edit](#) [Del](#) [Assign](#)
    - Add Role**

Didn't find what you're looking for? Try using Global Search.

Profiles | Salesforce

thiruvalluvargovernmentar97-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/page?address=%2F0e2w000000xCM%3Fsetupid%3DEnhanc...

Setup Profiles

### Vehicle Management 1

Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information.

If your organization uses Record Types, use the Edit links in the Record Type Settings section below to make one or more record types available to users with this profile.

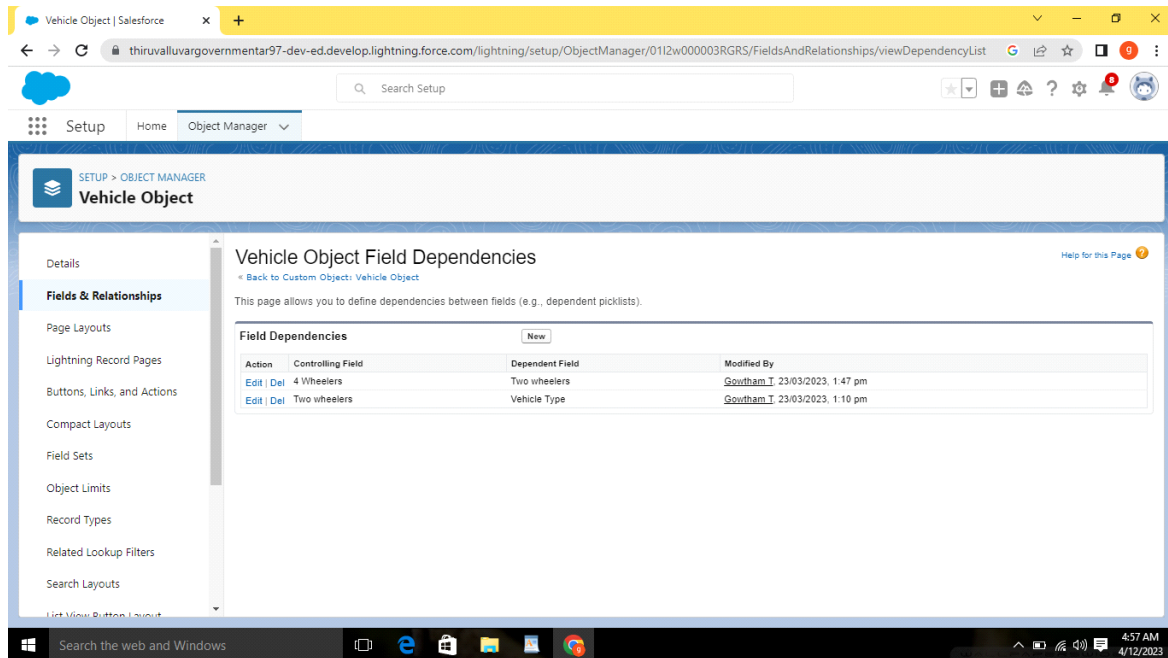
[Login IP Ranges](#) (0) | [Enabled Apex Class Access](#) (0) | [Enabled Visualforce Page Access](#) (0) | [Enabled External Data Source Access](#) (0) | [Enabled Named Credential Access](#) (0) | [Enabled Custom Metadata Type Access](#) (0) | [Enabled Custom Setting Definitions Access](#) (0) | [Enabled Flow Access](#) (0) | [Enabled Service Presence Status Access](#) (0) | [Enabled Custom Permissions](#) (0)

**Profile Detail** [Edit](#) [Clone](#) [Delete](#) [View Users](#)

Name	Vehicle Management 1		
User License	Salesforce	Custom Profile	<input checked="" type="checkbox"/>
Description			
Created By	Gourtham T.	12/04/2023, 3:33 pm	Modified By: Gourtham T. 12/04/2023, 3:33 pm

**Page Layouts**

Standard Object Layouts	Global	<a href="#">Global Layout</a> <a href="#">View Assignment</a>	Object Milestone	<a href="#">Object Milestone Layout</a> <a href="#">View Assignment</a>
Email Application	Not Assigned	<a href="#">View Assignment</a>	Operating Hours	<a href="#">Operating Hours Layout</a> <a href="#">View Assignment</a>
Home Page Layout	DE Default	<a href="#">View Assignment</a>	Opportunity	<a href="#">Opportunity Layout</a> <a href="#">View Assignment</a>
Account	Account Layout		Opportunity Product	Opportunity Product Layout



## Trailhead Profile Public URL

**Team Leader -** <https://trailblazer.me/id/nphytm>

**Team Member 1 -** <https://trailblazer.me/id/gowtt5>

**Team Member 2-** <https://trailblazer.me/id/nkumar2879>

**Team Member 3-** <https://trailblazer.me/id/dhiar96>

## ADVANTAGES

- ❖ *Easy to manage and cost-effective.*
- ❖ *Because of that there is no towing problems*
- ❖ *No human employee is required*

## DISADVANTAGE

- ❖ *Vehicles stand does not specified current location in the parking fields*

*The applications of Vehicle Management are*

- 1. Market place
- 2. Colleges/Schools
- 3. Enterprises and Institutions
- 4. Hospital
- 5. Factory and Bank, etc

## **CONCLUSION**

- 1. Use this project for industrial purposes in a wide range
- 2. Low cost
- 3. The accuracy of this project may be improved by adding some features.

## **FUTURE SCOPE**

*In the modern age, many people have vehicles. Vehicle is now a basic need. Every place is under the process of urbanization. There are many corporate offices and shopping centers etc. There are many recreational Place where people used to go for refreshment. So, all these places need parking space where people can park their vehicles safely and easily. Every parking area needs a system that who wants to park their vehicle into the any organization's premises. records the detail of vehicles to give the facility. These systems might be computerized or non- computerized. With the help of computerized system we can deliver a good service to customer*