

Project Report

VEHICLE MANAGEMENT

1 INTRODUCTION

1.1 Overview

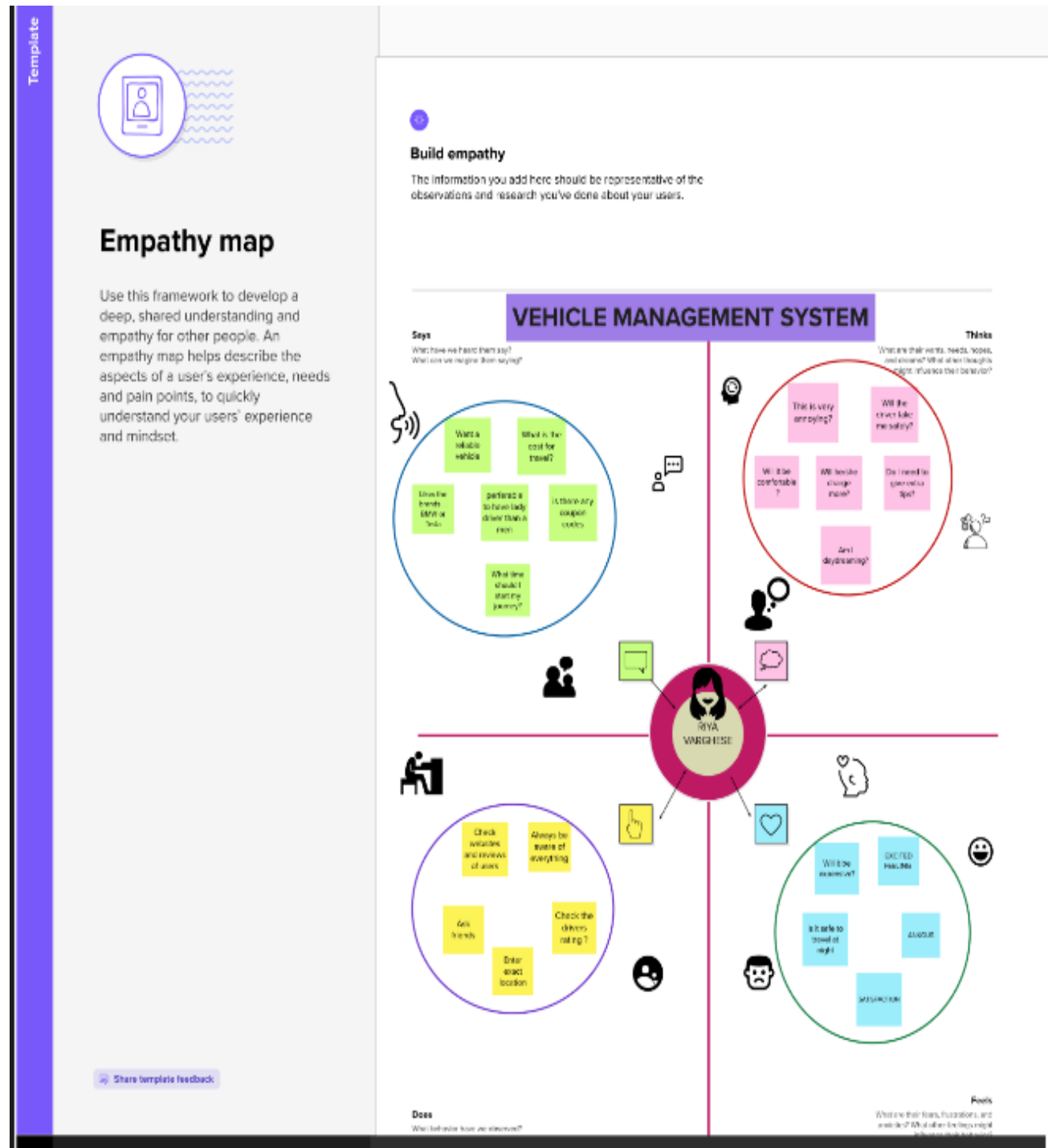
Vehicle Management is a simple user application that stores a customer's information in order to select motorbikes, cars, and commercial vehicles for city transport. This software also ensures that the user may select their vehicles based on their own personal tastes. The saved data inform customers if any deals are available during the seasons and any kind of vehicle updates are given to the users in the form of messages and emails.

1.2 Purpose

A vehicle management app's goal is to assist fleet managers in efficiently managing their vehicles. Making sure that the vehicles are working effectively and efficiently, might involve tracking things like vehicle maintenance, fuel usage, driver performance, vehicle location, and other crucial indicators. Planning routes, scheduling, and dispatching as well as interactions between management and drivers may all be facilitated by the app. The overall objective is to increase the fleet's safety and dependability while maximizing revenue.

2 Problem Definition & Design Thinking

2.1 Empathy Map



Brainstorm & Idea prioritization

Use this template in your next brainstorming session so your team can unleash their imagination and start shaping concepts over & over, not sitting in the same room.

1. Brainstorm
2. Share & discuss
3. Rank & prioritize

Before you collaborate

After the first brainstorm, give a 10 min break to let your ideas percolate. Then, when you're ready, let's get going.

1. 10 minutes

Define your problem statement

What problem are you trying to solve? How can you define it in a single line? Be concise. The whole team knows it, your problem statement.

2. 10 minutes

Brainstorm

Write down any ideas that come to mind. Don't worry about problem statement.

3. 10 minutes

10-15 min (10-15 min) for each idea to be written down.

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Group ideas

Take your meeting your ideas, write them down in a single line. Don't worry about problem statement. Then, when you're ready, let's get going.

4. 10 minutes

Prioritize

Now you should be in the same room, same ideas, same meeting. Then, when you're ready, let's get going.

5. 10 minutes

After you collaborate

Now you should be in the same room, same ideas, same meeting. Then, when you're ready, let's get going.

6. 10 minutes

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3 RESULT

3.1 Data Model:

OBJECT 1: VEHICLE

S NO.	Field Names	Data Types
1.	Customer Name	Text
2	Customer Mobile No	Number
3.	Vehicle Type i) 2 Wheeler ii) 4 Wheeler	Picklist
4.	2 Wheeler 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)HYUNDA I 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) LOW	Picklist
13	Mileage	Text
14	Seats	Number
15	Start Date	Date/Time
16	End Date	Date/Time
17	Opportunity	Lookup(opportunities)

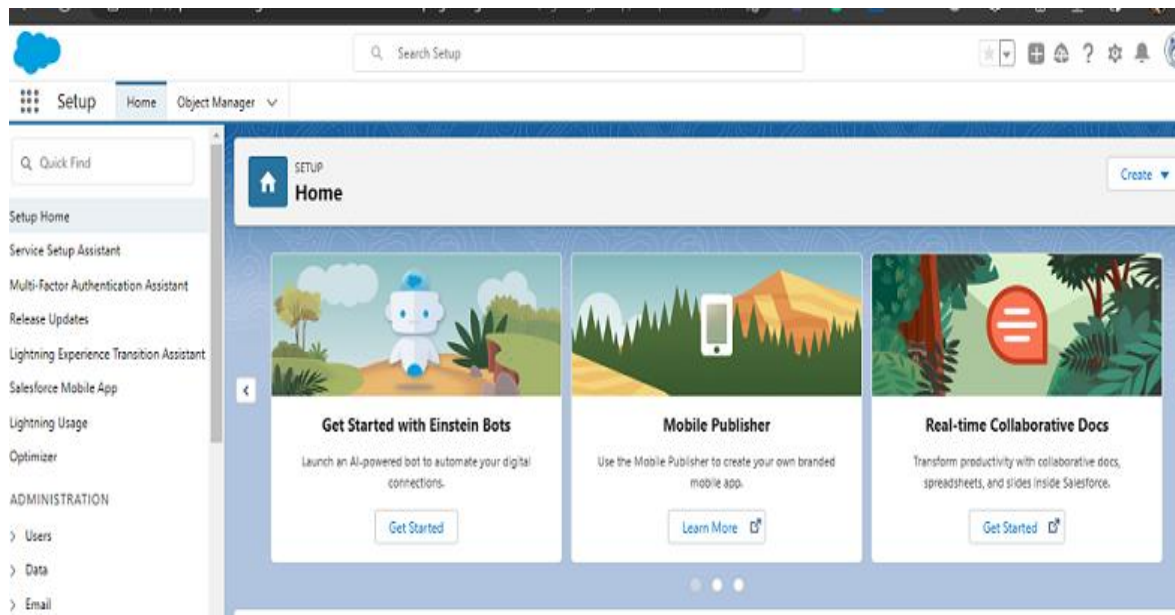
OBJECT 2 :DRIVER

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 & Screenshot


Creation Salesforce Org

- Creating Developer Account



Object

- To Create An Object

 [SETUP > OBJECT MANAGER](#)

Vehicle

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

Description

API Name

Vehicle__c

Custom

✓

Singular Label

Vehicle

Plural Label

Vehicles

Enable Reports

✓

Track Activities

Track Field History


Deployment Status

Deployed








Help Settings

Standard salesforce.com Help Window

- Create A Driver Object





Search Setup



Setup

Home

Object Manager 

 **Driver**

SETUP > OBJECT MANAGER

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Details

Edit

Delete

Description

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

Fields And Relationship

- Fields In Driver Objects

Details	<div>Fields & Relationships</div> <div>8 Items, Sorted by Field Label</div> <div><div>Q Quick Find</div><div>NewDeleted FieldsField DependenciesSet History Tracking</div></div>				
Fields & Relationships	FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Page Layouts	Created By	CreatedById	Lookup(User)		
Lightning Record Pages	Driver Name	Name	Text(80)		✓
Buttons, Links, and Actions	Fair Per Hour	Fair_Per_Hour__c	Text(89)		
Compact Layouts	Last Modified By	LastModifiedById	Lookup(User)		
Field Sets	Licence No	Licence_No__c	Text(89)		
Object Limits	Mobile No	Mobile_No__c	Number(18, 0)		
Record Types	Owner	OwnerId	Lookup(User/Group)		✓
Related Lookup Filters	Vehicle	Vehicle__c	Lookup(Vehicle)		✓
Search Layouts					
List View Button Layout					
Restriction Rules					

- Fields in Vehicle Object

Setup

Home

Object Manager ▾

SETUP > OBJECT MANAGER

Vehicle

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

List View Button Layout

Fields & Relationships

21 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
2 WHEELERS	X2_WHEELERS__c	Picklist	Vehicle Type	▼
4 WHEELERS	X4_WHEELERS__c	Picklist	Vehicle Type	▼
Chassic No	Chassic_No__c	Text(89)		▼
Colour	Colour__c	Text(89)		▼
Condition	Condition__c	Picklist		▼
Created By	CreatedById	Lookup(User)		
Customer Mobile No	Customer_Mobile_No__c	Phone		▼
Customer Name	Customer_Name__c	Text(30)		▼












Lightning App

Create The Vehicle Management Construction App

App Launcher


Search apps or items...

[Visit AppExchange](#)

 Salesforce Chatter The Salesforce Chatter social network,...	 Content Salesforce CRM Content	 Sales Console (Lightning Experience) Lets sales reps work...
 Service Console (Lightning Experience) Lets support agents...	 Sales Manage your sales process with accounts,...	 Lightning Usage App View Adoption and Usage Metrics for...
 Digital Experiences Manage content and media for all of your...	 Salesforce Scheduler Setup Set up personalized appointment...	 Bolt Solutions Discover and manage business solutions...
 Vehicle Management Safe Ride Safe Vehicle	 Dreamhouse	


Profile


Creating A Profiles

 **SETUP**
Profiles

Profiles

Help for this Page ?

All Profiles ▾ [Edit](#) | [Delete](#) | [Create New View](#) 


New Profile 

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

<input type="checkbox"/>	Action	Profile Name ↑	User License	Custom
<input type="checkbox"/>	Edit Clone	Authenticated vveosite	Authenticated vveosite	<input type="checkbox"/>
<input type="checkbox"/>	Edit Clone	Authenticated Website	Authenticated Website	<input type="checkbox"/>
<input type="checkbox"/>	Edit Clone	Chatter External User	Chatter External	<input type="checkbox"/>
<input type="checkbox"/>	Edit Clone	Chatter Free User	Chatter Free	<input type="checkbox"/>
<input type="checkbox"/>	Edit Clone	Chatter Moderator User	Chatter Free	<input type="checkbox"/>
<input type="checkbox"/>	Edit Clone	Contract Manager	Salesforce	<input type="checkbox"/>
<input type="checkbox"/>	Edit Clone	Cross Org Data Proxy User	XOrg Proxy User	<input type="checkbox"/>
<input type="checkbox"/>	Edit Del ...	Custom: Marketing Profile	Salesforce	✓
<input type="checkbox"/>	Edit Del ...	Custom: Sales Profile	Salesforce	✓
<input type="checkbox"/>	Edit Del ...	Custom: Support Profile	Salesforce	✓
<input type="checkbox"/>	Edit Clone	Customer Community Login User	Customer Community Login	<input type="checkbox"/>

Users

Creating A Users

 **SETUP**
Users

All Users

Help for this Page ?

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**

[New User](#) [Reset Password\(s\)](#) [Add Multiple Users](#)

<input type="checkbox"/> Action	Full Name ↑	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	Chatter Expert	Chatter	chatty.00d2w00000riau3ead.zphoxyla9kin@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit Login	Sam Christy	csam	csamhr@gmail.com	OPERATOR 1	✓	Operator
<input type="checkbox"/> Edit Login	SAMUEL DAN	dsamu	dansamuel@gmail.com	OPERATOR 2	✓	Operator
<input type="checkbox"/> Edit Login	Teddy John	itedd	rivavargheseriji@gmail.com	Vehicle Manager	✓	Vehicle Manager
<input type="checkbox"/> Edit Login	Teddy Rupa	itedd	rupateddy@gmail.com	OPERATOR 1	✓	Operator
<input type="checkbox"/> Edit	User Integration	integ	integration@00d2w00000riau3ead.com		✓	Analytics Cloud Integration User
<input type="checkbox"/> Edit	User Security	sec	insightssecurity@00d2w00000riau3ead.com		✓	Analytics Cloud Security User
<input type="checkbox"/> Edit	Varghese Riya	RVarg	rsssteam158@gmail.com		✓	System Administrator

[New User](#) [Reset Password\(s\)](#) [Add Multiple Users](#)

Reports

- Reports And Dashboards



Vehicle Management

Dashboards ▾

Home

Accounts ▾

Contacts ▾

Opportunities ▾

Drivers ▾

Vehicles ▾

Reports ▾



Reports

Recent

5 items

[New Report](#)

[New Folder](#)



REPORTS	Report Name ▾	Description ▾	Folder ▾	Created By ▾	Created On ▾	Subscribed	
Recent	Vehicle & Customer Details		Private Reports	Riya Varghese	8/4/2023, 1:50 am		▾
Created by Me	New Contacts & Accounts Report		Private Reports	Riya Varghese	9/4/2023, 10:17 pm		▾
Private Reports	New Accounts Report		Private Reports	Riya Varghese	9/4/2023, 10:09 pm		▾
Public Reports	New Accounts Report		Private Reports	Riya Varghese	9/4/2023, 10:09 pm		▾
All Reports	Sample Flow Report: Screen Flows	Which flows run, what's the status of each interview, and how long do users take to complete the screens?	Public Reports	Automated Process	2/3/2023, 10:09 pm		▾
FOLDERS							
All Folders							
Created by Me							

- Dashboard

Vehicle Management | Dashboards | Home | Accounts | Contacts | Opportunities | Drivers | Vehicles | Reports

Dashboards
All Dashboards
5 items

Search all dashboards... | New Dashboard | New Folder | Settings

DASHBOARDS	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	1 - User Adoption (Logins)		Salesforce Adoption Dashboards	Riya Varghese	13/4/2023, 1:24 am	
Created by Me	2 - Key Feature Adoption		Salesforce Adoption Dashboards	Riya Varghese	13/4/2023, 1:24 am	
Private Dashboards	3 - Sales & Marketing Adoption		Salesforce Adoption Dashboards	Riya Varghese	13/4/2023, 1:24 am	
FOLDERS	Contacts		Private Dashboards	Riya Varghese	9/4/2023, 10:17 pm	
All Folders	Vehicle & Customer Details		Private Dashboards	Riya Varghese	8/4/2023, 1:51 am	
Created by Me						

4 Trailhead Profile Public URL

Team Lead - <https://trailblazer.me/id/sangv14>

Team Member 1 - <https://trailblazer.me/id/sheela47>

Team Member 2 - <https://trailblazer.me/id/shalu46>

Team Member 3 – <https://trailblazer.me/id/rvarghese43>

5 ADVANTAGES & DISADVANTAGE

Advantages of a vehicle management application:

1. Improved efficiency: Vehicle management applications can help you automate many processes related to managing your fleet, which can help you save time and increase productivity.
2. Cost savings: By optimizing routes, reducing fuel consumption, and improving maintenance schedules, vehicle management applications can help you save money on fleet operations.
3. Better customer service: With real-time tracking and monitoring of your vehicles, you can provide more accurate and reliable delivery estimates to your customers, which can improve their overall experience.
4. Enhanced security: Vehicle management applications allow you to track your vehicles and monitor driver behavior, which can help you prevent theft and unauthorized use.

Disadvantages of a vehicle management application:

1. Initial cost: Deploying a vehicle management application can be expensive, especially if you need to purchase hardware or software licenses.
2. Technical difficulties: Depending on the complexity of the application, it can be challenging to set up and maintain the system.
3. Data privacy concerns: There may be concerns about the privacy of the data collected by the application, especially if it includes information about drivers or routes.
4. User adoption: Getting drivers and other staff members to use the application can be a challenge and may require training

7 CONCLUSION

a vehicle management system app provides a comprehensive solution to manage various aspects of vehicle ownership, maintenance, and usage. With features such as tracking fuel efficiency, maintenance schedules, and reminders, the app can help users save money and time. Furthermore, the app also provides important data such as vehicle history and reports that can help in making informed decisions about fleet management or resale. Overall, a vehicle management system app can be a valuable tool for both individual vehicle owners and businesses that need to manage a fleet of vehicles..

8 FUTURE SCOPE

- 1.Integration with smart home devices: Vehicle management system apps can potentially integrate with smart home devices such as Google Home, Amazon Alexa, or Apple HomeKit. This would allow drivers to control various aspects of their car, such as locking and unlocking doors or starting the engine, using voice commands.
- 2.Autonomous driving features: As autonomous technology continues to advance, vehicle management system apps may be able to offer features such as remote self-driving or parking.
- 3.Predictive maintenance: With the help of sensors and machine learning algorithms, vehicle management system apps could provide predictive maintenance alerts to drivers, telling them when to bring their vehicle in for a service before a critical failure occurs.
- 4.Integration with other transportation modes: Vehicle management system apps could become part of a larger ecosystem of transportation services, allowing users to easily switch between modes of transportation such as public transit or ride-sharing.
5. Increased security features: Vehicle management system apps could offer additional security features to protect drivers and their vehicles from theft or unauthorized access, such as facial recognition technology or fingerprint scanners.

Overall, the future scope of vehicle management system apps is vast and constantly evolving, and there is a lot of potential for innovation and growth in this area.