

# VEHILE MANAGEMENT

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## Introduction:

### 1.1 Overview

Vehicle Management is an application where a customer Details are stored in order 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

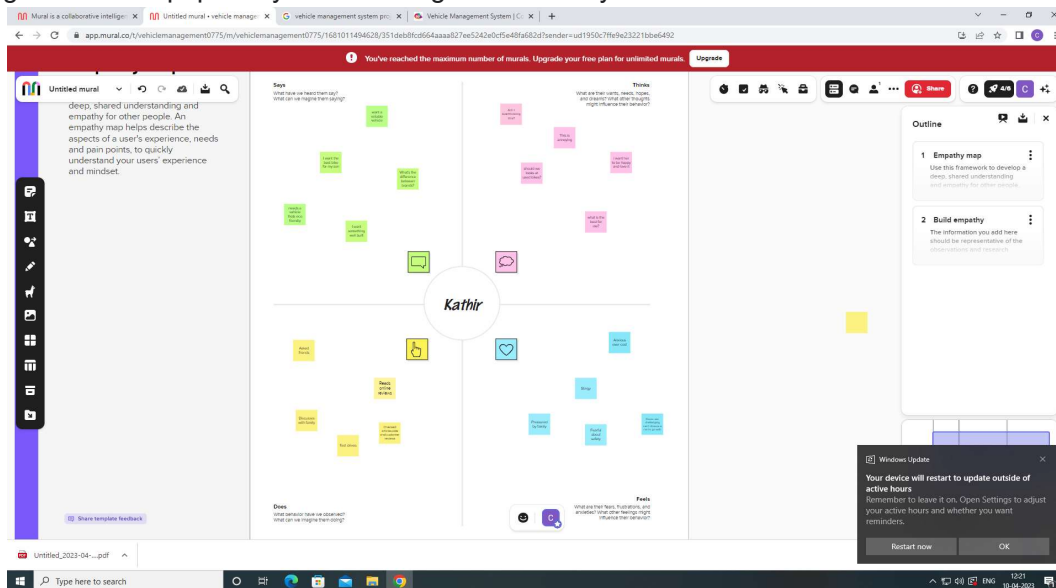
The vehicle management portion of the system should allow you to track your drivers and vehicles, such as through a GPS tracking system. It should also make operations management run smoother by helping you manage fuel and labor costs and provide proper trip planning for your drivers and customers.

## Problem Definition & Design Thinking:

### 2.1 Empathy Map

An empathy map is **a collaborative tool teams can use to gain a deeper insight into their customers**. Much like a user persona, an empathy map can represent a group of users, such as a customer segment. The empathy map was originally created by Dave Gray and has

gained much popularity within the agile community.



## 2.2 Ideation & Brainstorming Map

Brainstorming is an activity that will help you generate more innovative ideas. It's one of many methods of ideation—the process of coming up with new ideas—and it's core to the design thinking process.

Download file | iLovePDFWhatsAppUntitled mural - vehicle manage +

app.mural.co/t/vehiclemanagement0775/m/vehiclemanagement0775/1681012519335/4d927b2305c3b8d24bc920abc053022aef1a463f?sender=ud1950c7f9e23321bbe6492

You've reached the maximum number of murals. Upgrade your free plan for unlimited murals.Upgrade

Untitled mural

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Person 1

parking space

Warranty

you can modify the car to your tastes

There are no mileage penalties if you drive a lot

Person 2

How many people it will carry

Discount

Type of driving

Customer service

Person 3

How to make customer drive safely so they don't have an accident

Vehicle Dealership

Customers safety

Variety of vehicles in showrooms

Person 4

New or used vehicles

Monitoring and managing vehicle

Maintenance for vehicles

Giving more mileage per litre of fuel

Outline

1 Brainstorm & ide...  
Use this template in your own brainstorming sessions so your team can brainstorm their...

2 Before you collab...  
A little bit of preparation goes a long way with this session. Here's what you need to do to...

3 Define your probl...  
What problem are you trying to solve? Frame your problem as a How Might We statement. This...

4 Brainstorm  
Write down any ideas that come to mind that address your problem statement.

DBMS.docx

Type here to search

10:34 11-04-2023

### Result:

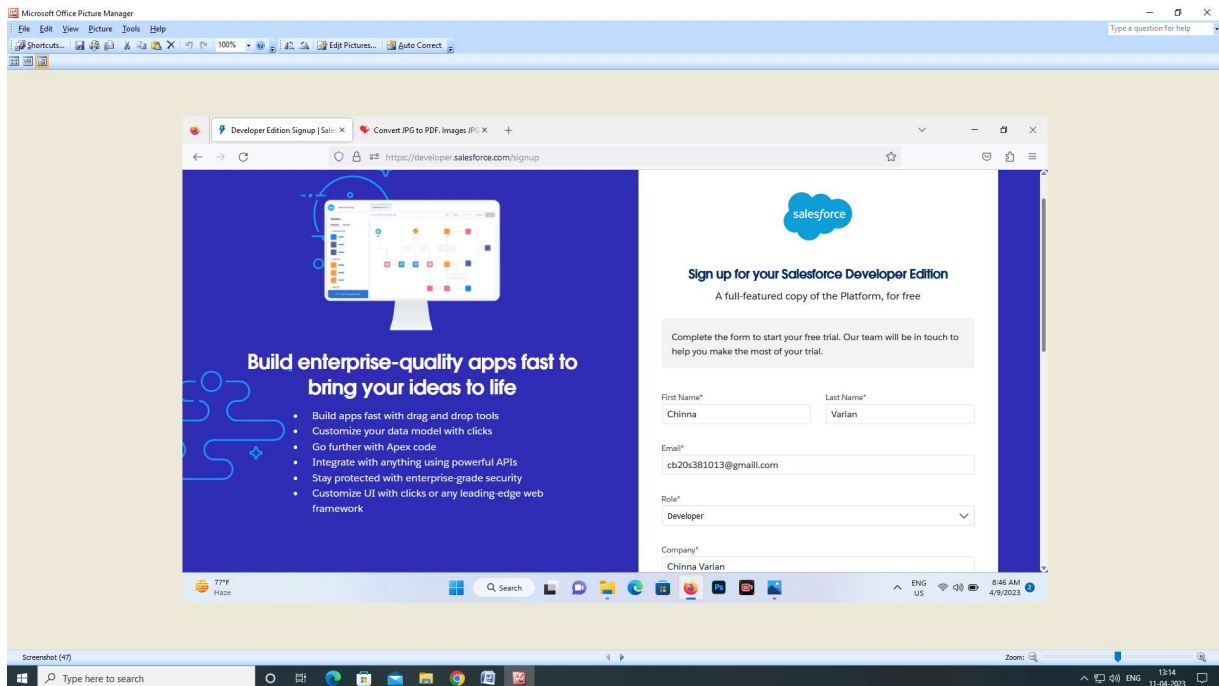
### 3.1 Data Model

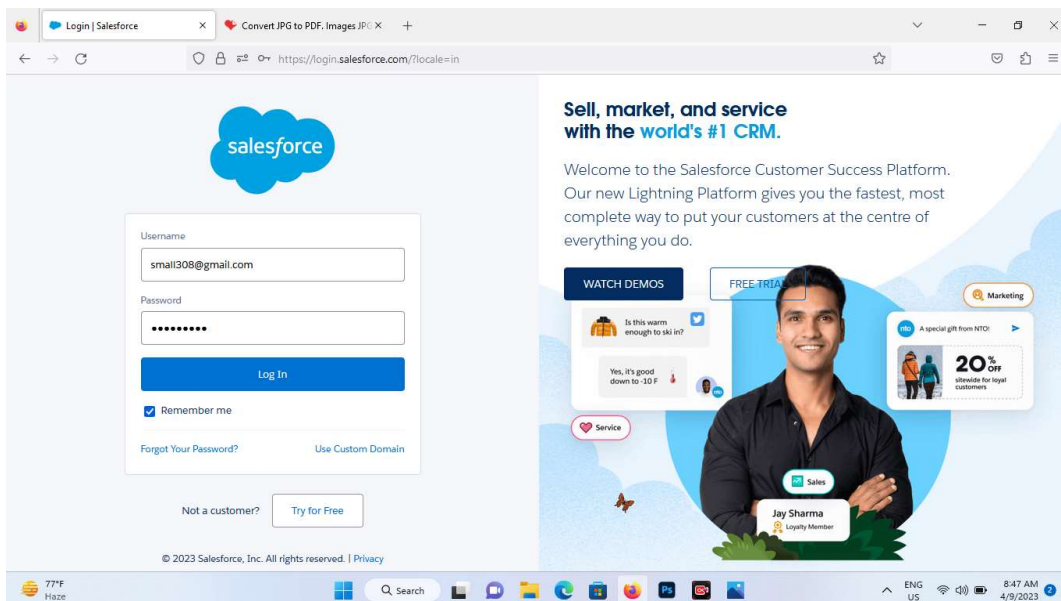
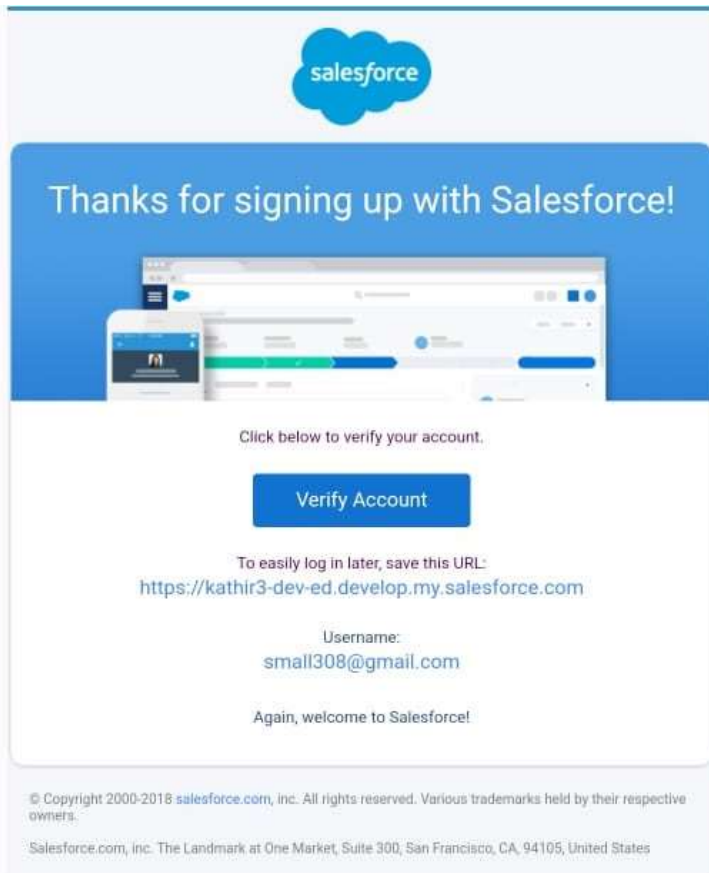
Object name	Fields in the Object	
vehicles		
	Field Label	Data type
	Customer Name	Text
	Customer Mobile No	Number
	Vehicle Type	Picklist
	i)2 wheeler	
	ii)4 wheeler	
	2WHEELERS	Picklist
	i)HERO	
	ii)HONDA	
	iii)BAJAJ	
	iv)ROYAL ENFIELD	
v)TVS		
vi)KINETIC		
vii)OLA		
viii)JAWA		
ix)SD		
x)BATTERY		
4WHEELERS	Picklist	
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)
<b>Drivers</b>		
	<b>Field Lable</b>	<b>Data type</b>
	Driver Name	Text
	Licence No	Text
	Mobile No	Number
	Fair Per Hour	Text
	Vehicle	Lookup(Vehicle)

### 3.2 Activity & Screenshot





Vehicle | Salesforce

https://kathir3-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003RIYz/Details/view

Search Setup

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

**Details** Edit Delete

Description

API Name  
standard\_\_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

88°F  
Haze

Search

ENG  
US

7:43 PM  
4/5/2023

Vehicle | Salesforce

https://kathir3-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003RIYz/FieldsAndRelationships

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Vehicle**

**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
2 WHEELERS	X2_WHEELERS__c	Picklist		
4WHEELERS	X4WHEELERS__c	Picklist		
Body Type	Body_Type__c	Text(100)		
Chassic No	Chassic_No__c	Text(100)		
Colour	Colour__c	Text(100)		
Condition	Condition__c	Picklist		
Created By	CreatedById	Lookup(User)		

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Haze

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ENG  
US

7:43 PM  
4/5/2023



Driver | Salesforce

https://kathir3-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000004Gdnt/Details/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Driver**

**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  
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

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Driver | Salesforce

https://kathir3-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000004Gdnt/FieldsAndRelationships

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Driver**

**Fields & Relationships** 8 Items, Sorted by Field Label

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	Name	Text(80)		✓
Fair Per Hour	Fair_Per_Hour__c	Text(100)		
Last Modified By	LastModifiedById	Lookup(User)		
Licence No	Licence_No__c	Text(100)		
Mobile Number :	Mobile_Number__c	Number(14, 1)		
Owner	OwnerId	Lookup(User,Group)		✓
Vehicle	Vehicle__c	Lookup(0,hide)		

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App Manager | Salesforce

https://kathir3-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home

Search Setup

Setup Home Object Manager

app m

Apps

App Manager

User Interface

App Menu

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

Lightning Experience App Manager

New Lightning App New Connected App

Clone Apps(Beta)

Quickly create new Lightning apps by cloning existing apps. To use the beta feature, indicate that you've read all legal requirements and agree to participate by toggling Enable App Cloning. See additional details and terms in the [Winter '23 release notes](#).

Enable App Cloning Disabled

22 items • Sorted by App Name • Filtered by All appmenuitems - TabSet Type

	App Name ↑	Developer Name	Description	Last Modified ...	Ap...	Vi...
1	All Tabs	AllTabSet		23/03/2023, 4:31 pm	Classic	
2	Analytics Studio	Insights	Build CRM Analytics dashboards and apps	23/03/2023, 4:31 pm	Classic	✓
3	App Launcher	AppLauncher	App Launcher tabs	23/03/2023, 4:31 pm	Classic	✓
4	Bolt Solutions	LightningBolt	Discover and manage business solutions desi...	23/03/2023, 4:33 pm	Lightning	✓

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Lightning Experience | Salesforce

App Manager | Salesforce

https://kathir3-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home

Search Setup

New Lightning App

App Details & Branding

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.

App Details

\*App Name 1

Vehicle Management APP

\*Developer Name 1

Vehicle\_Management\_APP

Description 1

Enter a description.

App Branding

Image 1

Upload

Primary Color Hex Value 1

#0070D2

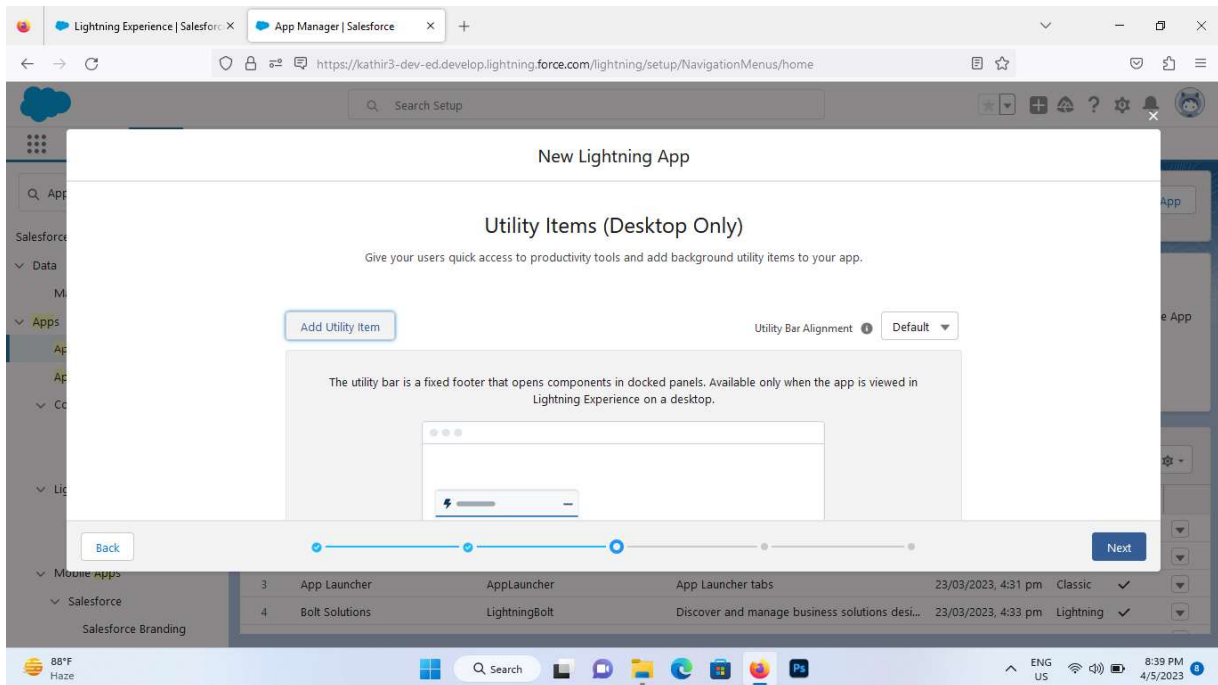
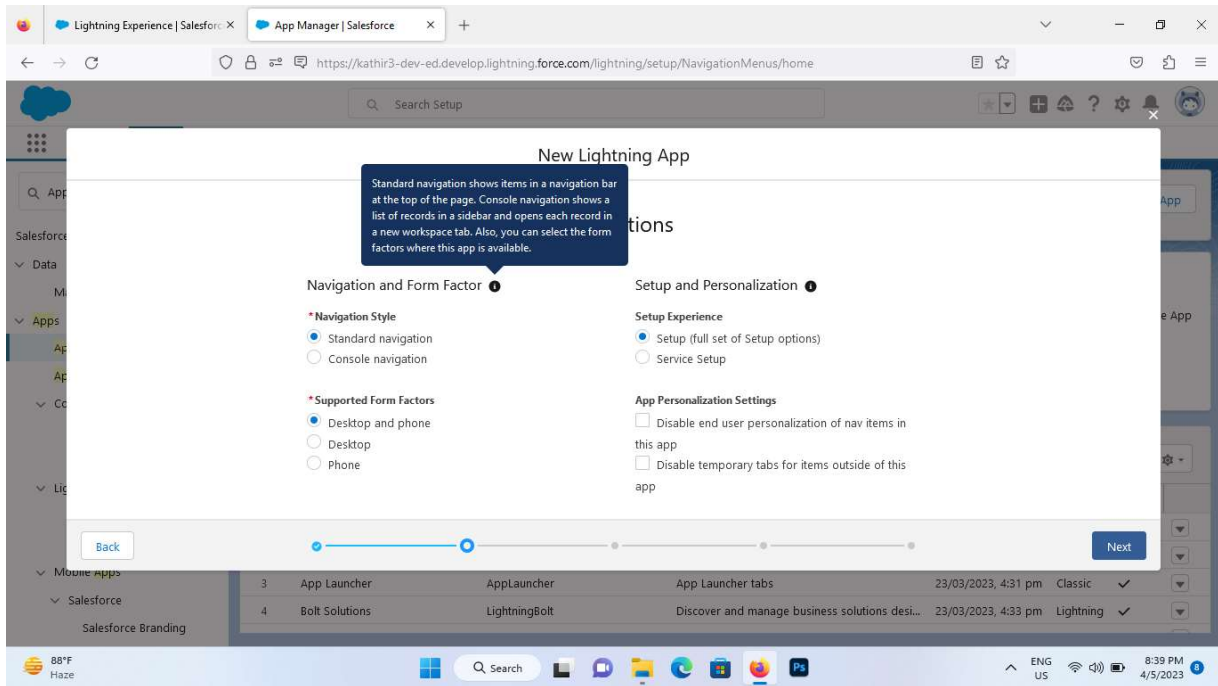
Next

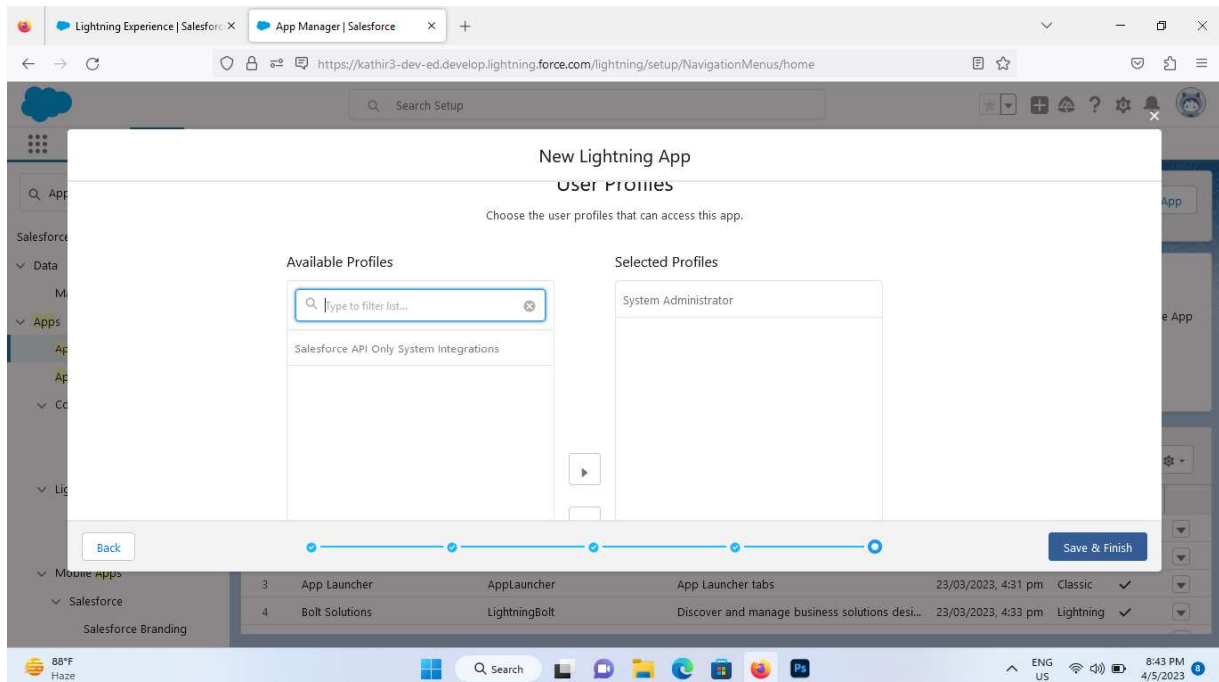
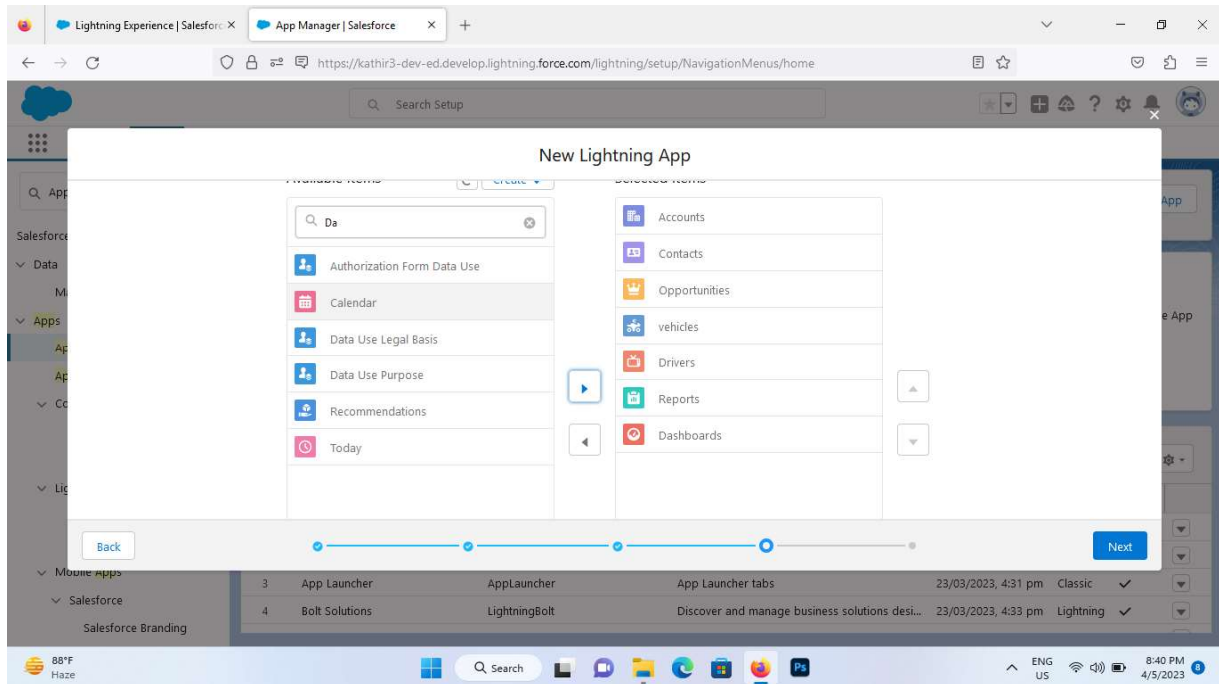
3 App Launcher AppLauncher App Launcher tabs 23/03/2023, 4:31 pm Classic ✓

4 Bolt Solutions LightningBolt Discover and manage business solutions desi... 23/03/2023, 4:33 pm Lightning ✓

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ENG US 8:39 PM 4/5/2023





Lightning Experience | Salesforce x Profiles | Salesforce x New Tab

https://kathir3-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/home

Search Setup

Setup Home Object Manager

profiles

Users Profiles

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

## Profiles

Help for this Page

All Profiles Edit Delete Create New View

New Profile

Action	Profile Name	User License	Custom
<input type="checkbox"/> Edit   Clone	Analytics Cloud Integration User	Analytics Cloud Integration User	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Analytics Cloud Security User	Analytics Cloud Integration User	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Authenticated Website	Authenticated Website	<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   Delete	Custom Marketing Profile	Salesforce	<input checked="" type="checkbox"/>

1-40 of 40 0 Selected

Page 1 of 1

85°F Haze

Search

ENG US 8:49 PM 4/5/2023

Lightning Experience | Salesforce x Profiles | Salesforce x New Tab

https://kathir3-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/page?address=%2F00e2w000000x6pi

Search Setup

Setup Home Object Manager

profiles

Users Profiles

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

## Vehicle Manager

Help for this Page

Profile

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 [?] | Enabled Apex Class Access [?] | Enabled External Data Source Access [?] | Enabled Named Credential Access [?] | Enabled Custom Metadata Type Access [?] | Enabled Custom Setting Definitions Access [?] | Enabled Flow Access [?] | Enabled Service Presence Status Access [?] | Enabled Custom Permissions [?]

### Profile Detail

Edit Clone Delete View Users

Name	Vehicle Manager		
User License	Analytics Cloud Integration User	Custom Profile	<input checked="" type="checkbox"/>
Description			
Created By	chinna varan, 05/04/2023, 8:54 pm	Modified By	chinna varan, 05/04/2023, 8:54 pm

### Page Layouts

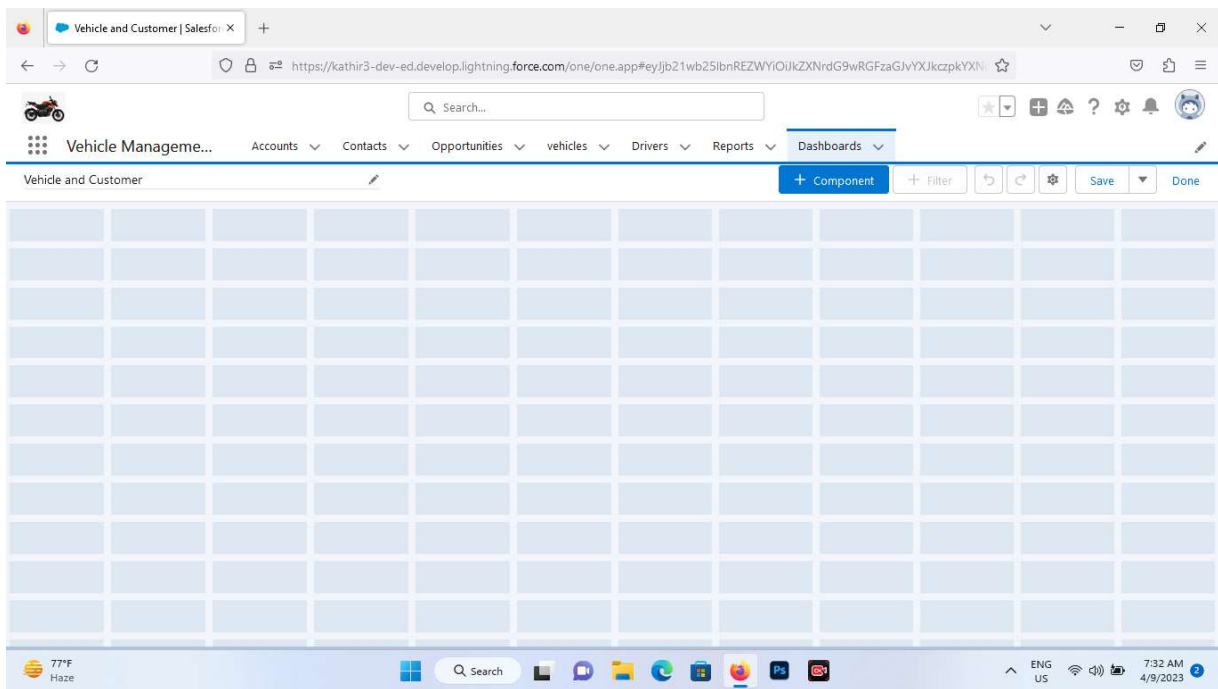
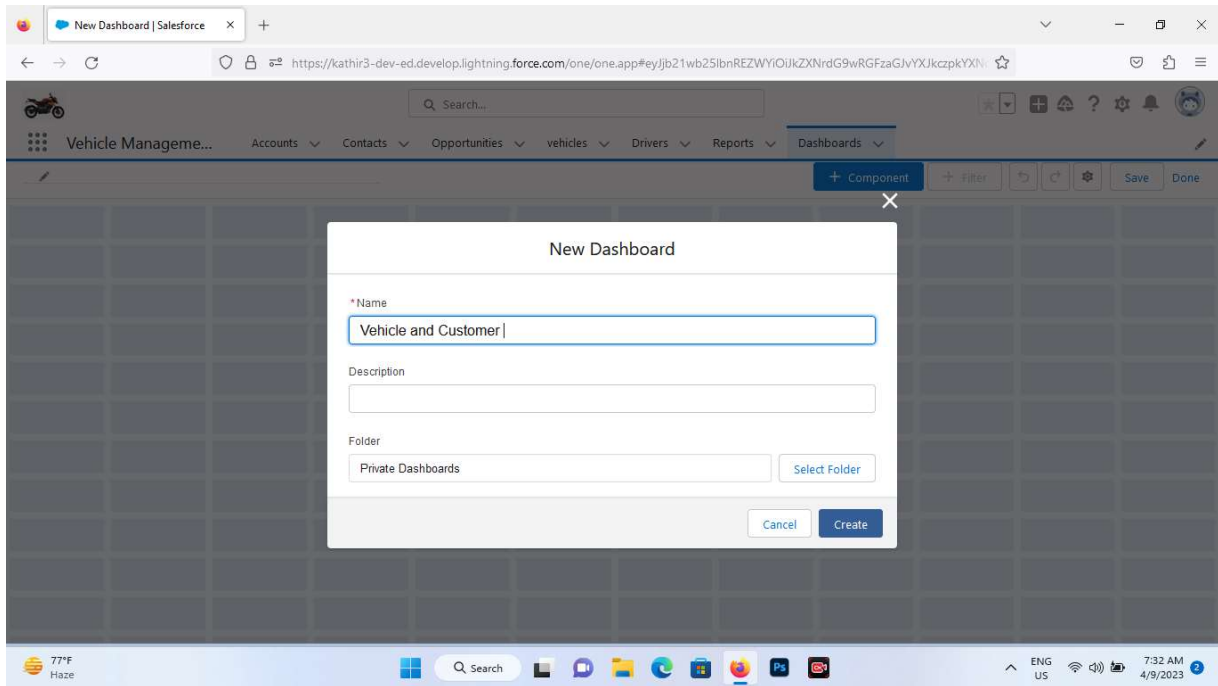
Profile: Vehicle Manager - Salesforce - Developer Edition

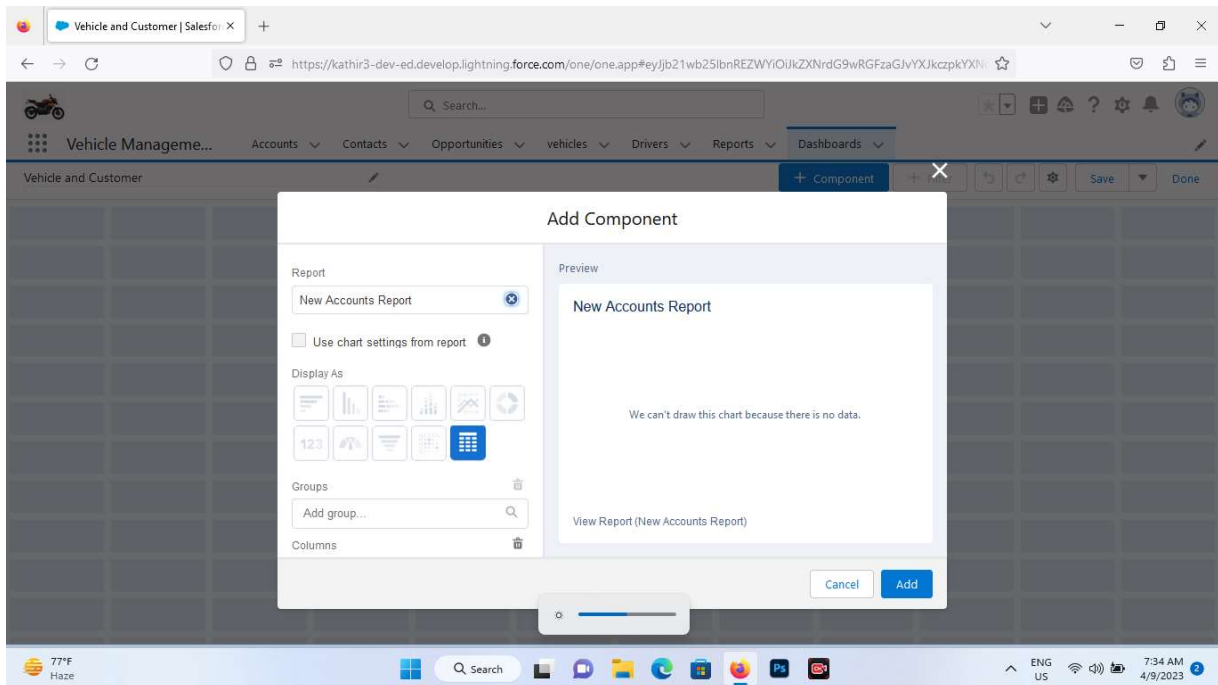
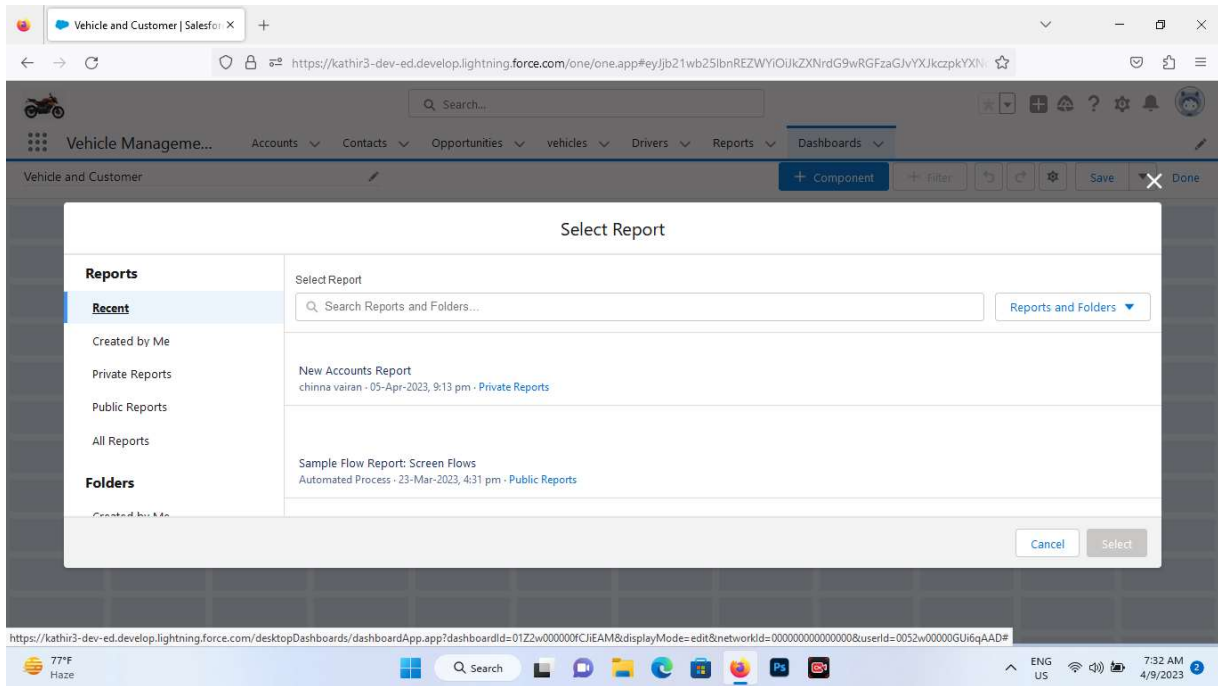
Standard Object Layouts	Global	Global Layout [View Assignment]	Object Milestone	Object Milestone Layout [View Assignment]
Email Application	Not Assigned	[View Assignment]	Operating Hours	Operating Hours Layout [View Assignment]
Home Page Layout	Home Page Default		Opportunity	Opportunity Layout

85°F Haze

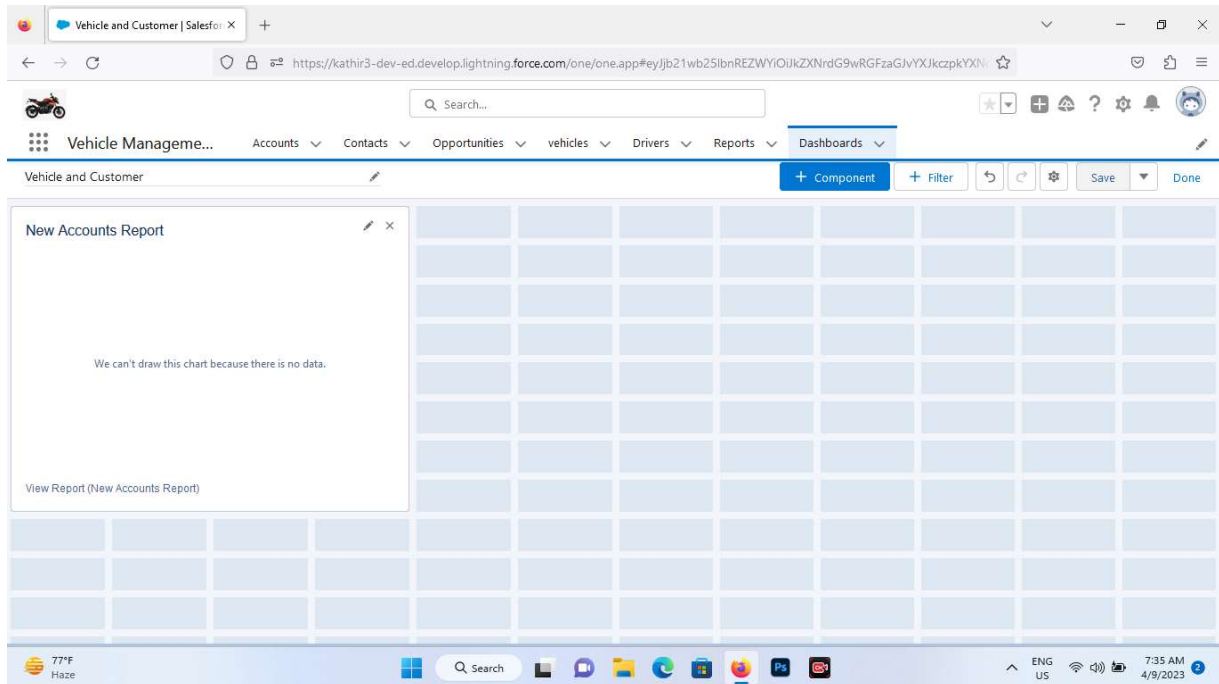
Search

ENG US 8:59 PM 4/5/2023









## Trailhead Profile Public URL

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

**Team Member 1- NO** <https://trailblazer.me/id/nafila123>

**Team Member 2- NO** <https://trailblazer.me/id/amsavalli123>

**Team Member 3- NO** <https://trailblazer.me/id/kathiresan123>

## ADVANTAGES & DISADVANTAGES

A motor bike uses considerably less fuel than a car, especially on longer journeys. Since the gas tank on a motor bike is smaller, it will also cost less to fill up at the pump and there will be less times you find yourself at the gas pump to begin with.



Motor bikes need less repairs and maintenance than an automobile. Unlike a regular car, oil changes are relatively simple and can be done by the owner rather than a specialized mechanic. Repairs for motor bikes also cost less than car repairs.

When you are in the big city there is limited parking. Often if you have a larger car you cannot always easily find parking space. With a motor bike you can park anywhere you like and often there are special parking stalls just for motorcycles.

Traffic is always a problem when you need to get somewhere. With a motor bike you no longer have to sit behind a sea of cars waiting for the traffic to get moving. Motor bikes can travel in between cars parked on the highway rather than waiting for their turn to move.

Registration and taxes for motor bikes are considerably less than for automobiles. Since motor bikes do not use as much fuel, there are government discounts on registering motor bikes.

Though there are advantages to saving money with a motor bike, there is the risk of personal safety. Unlike a car, drivers of motor bikes do not have doors, air bags or a bumper to protect them from impacts with property and other vehicles.

Other drivers on the road are often oblivious to motor bikes simply because they cannot always see them in their rear- and side-view mirrors. Drivers can cut off motor bikes or even run into them simply because they do not see them.

Though a motor bike is helpful for getting around, it has limited seating and storage. If you are going to the grocery store, you will not be able to haul home too many groceries. When you are out with friends, you have seating for only one more person, that is if you have the proper safety equipment for them.

## APPLICATIONS

1. Fleet management: Businesses that have a fleet of vehicles can use these applications to manage and track their vehicles, divers, and maintenance schedules. This helps them optimize routes, reduces fuel costs, and increase efficiency.
2. Vehicle tracking: Vehicle tracking applications can be used by individuals or businesses to keep track of their vehicles in real-time. This can helping theft prevention, recovery of stolen vehicles, and monitoring the movement of vehicles for safety and security purposes.
3. Maintenance scheduling: These applications can be used to schedule and track maintenance and repairs for vehicles. This can help prevent breakdowns and prolong the life of the vehicles.
4. Expense tracking: Vehicle management applications can help track expenses related to vehicles such as fuel, maintenance, repairs, and insurance. This can help individuals and businesses manage their expenses and budget more effectively.

## CONCLUSION

Effective Future adjustments may be made with ease because of how the package was created. The project's development has led to the following inferences. Efficiency is increased by automating the entire system. When compared to the current system, it offers a user-friendly graphical interface that is superior. Depending on their permissions, it grants the permitted users the proper access. It successfully gets over the communication lag. Our everyday lives revolve around our cars, which require routine maintenance to function well. IoT automation makes the entire process of automotive service quick and smart. The above-mentioned technology not only keeps track of the condition of our automobile in real-time, but it also offers vital information and forecasts that enable us to estimate the cost and timing of the subsequent service. Even though this technology raises the cost of servicing, it stops service facilities from charging more and informs the client of all the modifications made to the vehicle. Overall, the consumer saves time and money with this method. The way we live and work has been dramatically changed by technologies like IoT and RPA. It has simplified our lives. This technique lessens client effort while simultaneously improving the efficiency of our automobile. Predictive analysis may be enhanced by employing AI and different performance-enhancing techniques.

## FUTURE SCOPE

This software eliminates manual labor and any associated issues. It is a simple approach to learning more about the many products that are available at supermarkets