VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

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INTRODUCTION

1.1 OVERVIEW

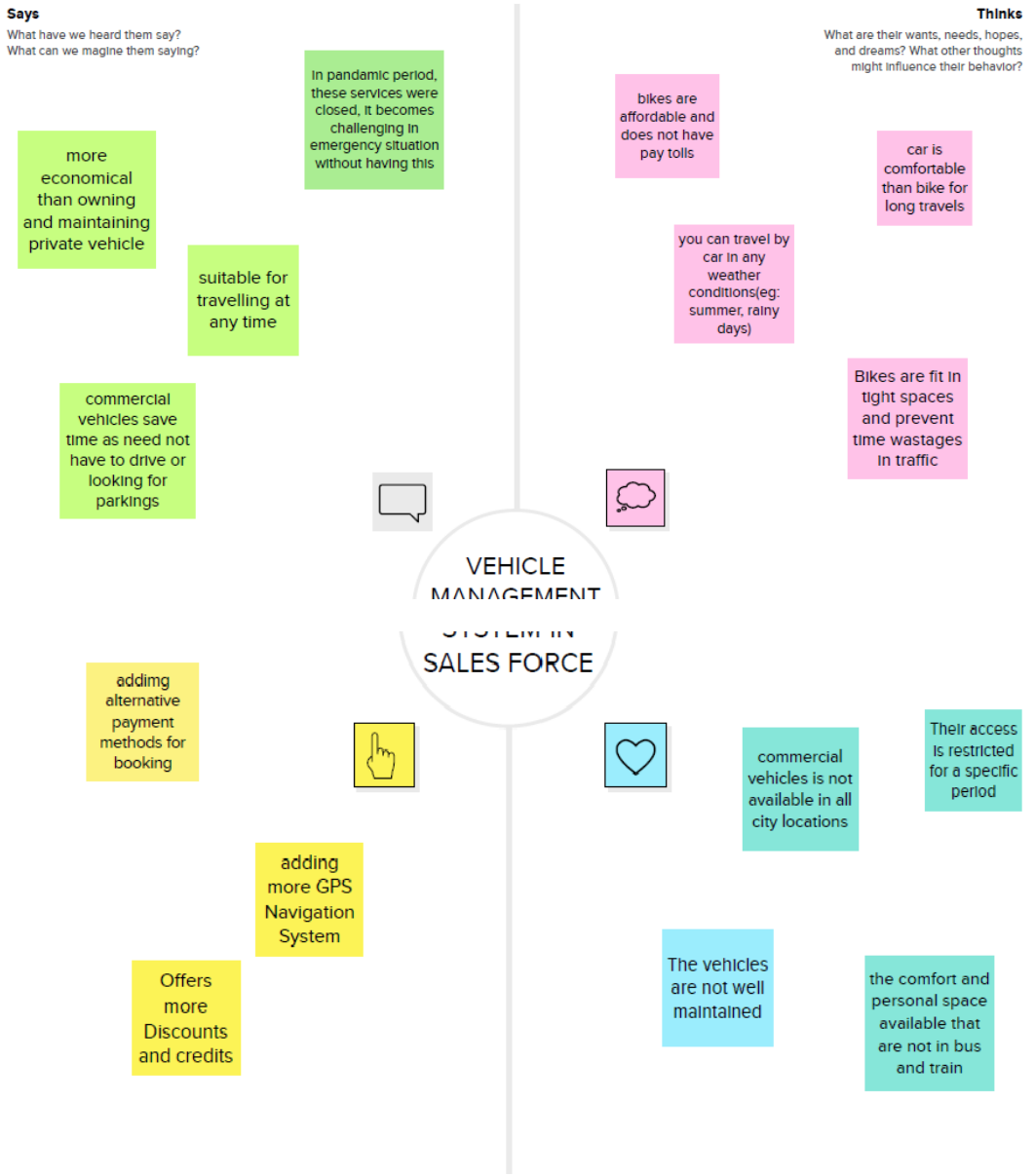
In this project we have created a Vehicle Management Application using salesforce for customers and drivers. It is an application where a customer Details are stored inorder to choose cars, bikes And commercial vehicles for travel with in the city.

1.2 PURPOSE

The data stored in this applicatioon is used for custoelationship management and it is further used to remind customers if any offers provided and any updated regardings vehicles are sent to them in the form of messages and mails.

2. PROBLEM SOLVING AND DESIGN THINKING

EMPATHY MAP



IDEATION AND BRAINSTROMING MAP

Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

- **10 minutes** to prepare
- **1 hour** to collaborate
- **2-8 people** recommended

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Before you collaborate

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

10 minutes

A Team gathering
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B Set the goal
Think about the problem you'll be focusing on solving in the brainstorming session.

C Learn how to use the facilitation tools
Use the Facilitation Superpowers to run a happy and productive session.

Open article →

*vehicles repair in the middle of the travel
*not maintaining punctuality
*Dropping at wrong location
*surge pricing
*customer safety

Key rules of brainstorming

To run an smooth and productive session

- Stay in topic.
- Encourage wild ideas.
- Defer judgment.
- Listen to others.
- Go for volume.
- If possible, be visual.

Person 1

check the tires and break system	maintain vehicle service every month	check and top off fluids
Be well aware of the conditions of vehicles		

Person 2

increase productivity of vehicles	maintance will reduce delay	use more short routes to reach the destination

Person 3

place drivers with prior experience on the job	Drivers can check customer Destinations location before accepting or rejecting a request	use GPS to find locations

Person 5

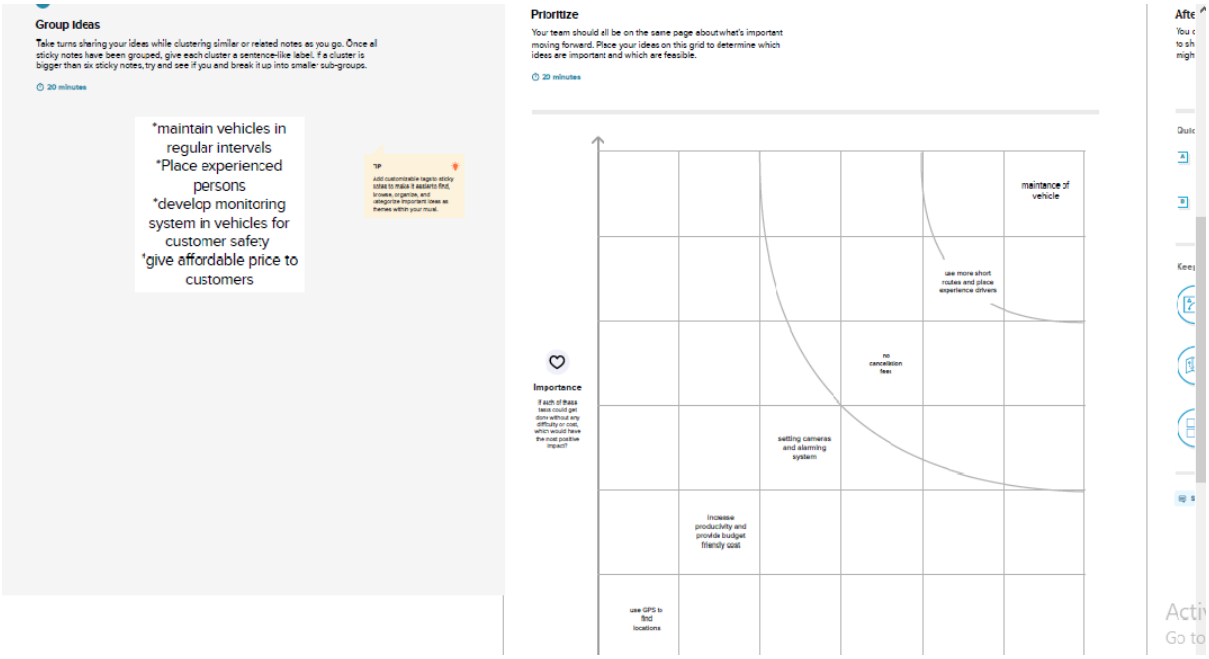
budget friendly cost	providing services as per specific requirements	no cancellations fees except vehicle already arrived at location

Person 6

setting camera in vehicles for the safety of the customers	setting alarms for notification if any accidents occur	keep track on GPS system

Person 7

200.00 x 58.85 in



3. RESULT

3.1 DATA MODEL

Object name	Fields in the object	
Vehicle object	**Field label**	**Data type**
	Customer name	text
	Customer mobile no	number
	Vehicle Type	Picklist
	Two wheelers	picklist
	Four wheelers	picklist
	Vehicle name	text
	Vehicle number	text
	Chassic number	text
	Colour	text
	Body type	text
	Vehicle includes	Multi picklist
	Condition	Picklist
	Mileage	text
	Seats	number
	Start date	Date/time
	End date	Date/time

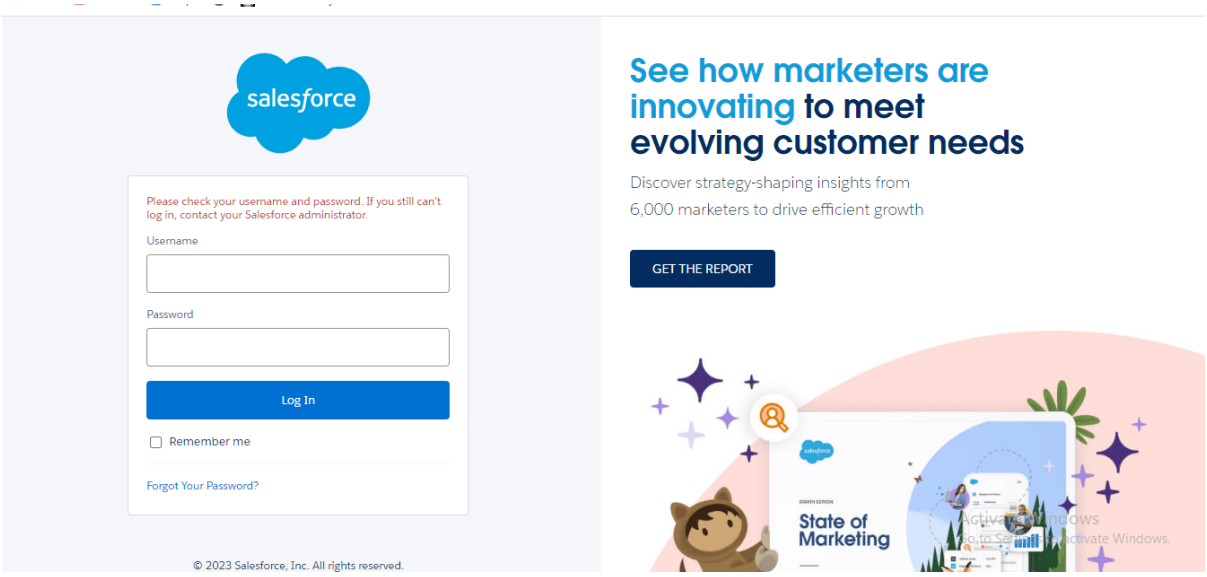
	Opportunity	Look up

Object name	Field label	Date type
Driver object	Driver name	Text
	Licence No	Text
	Mobile No	Number
	Fair Per Hour	Text
	Vehicle	Look up(vehicle)

3.2 ACTIVITY AND SCREENSHOTS

1. CREATING A DEVELOPER ACCOUNT

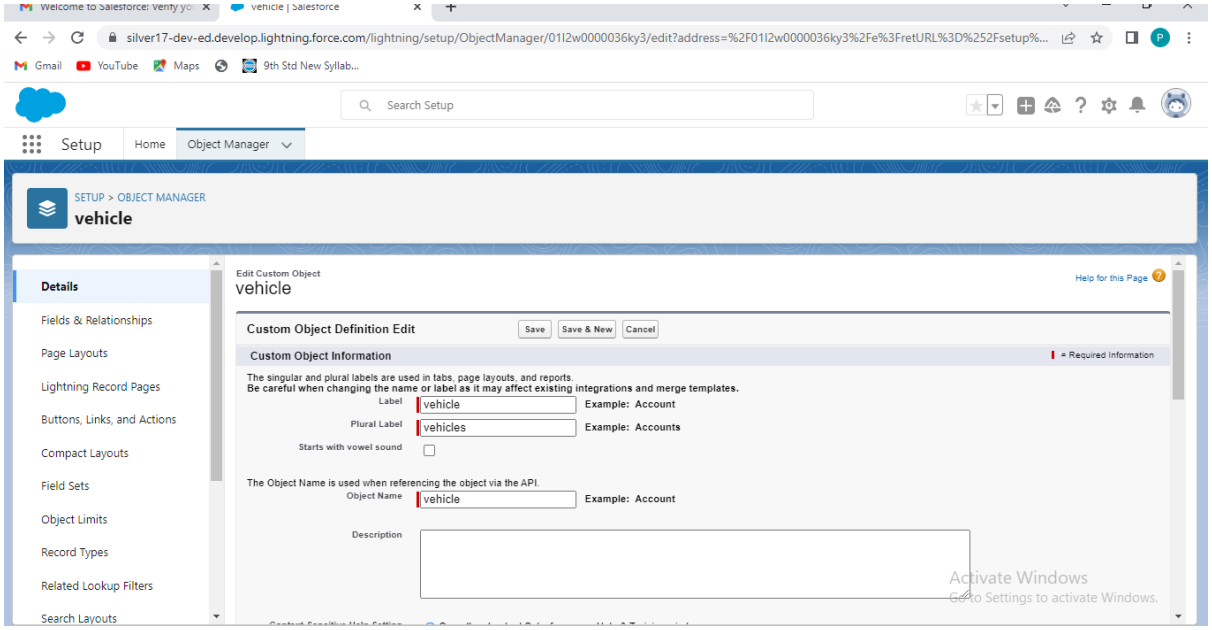
we create a developer accounts by went to the website developers.salesforce.com and sign up. We activate the account by login with the username and password.



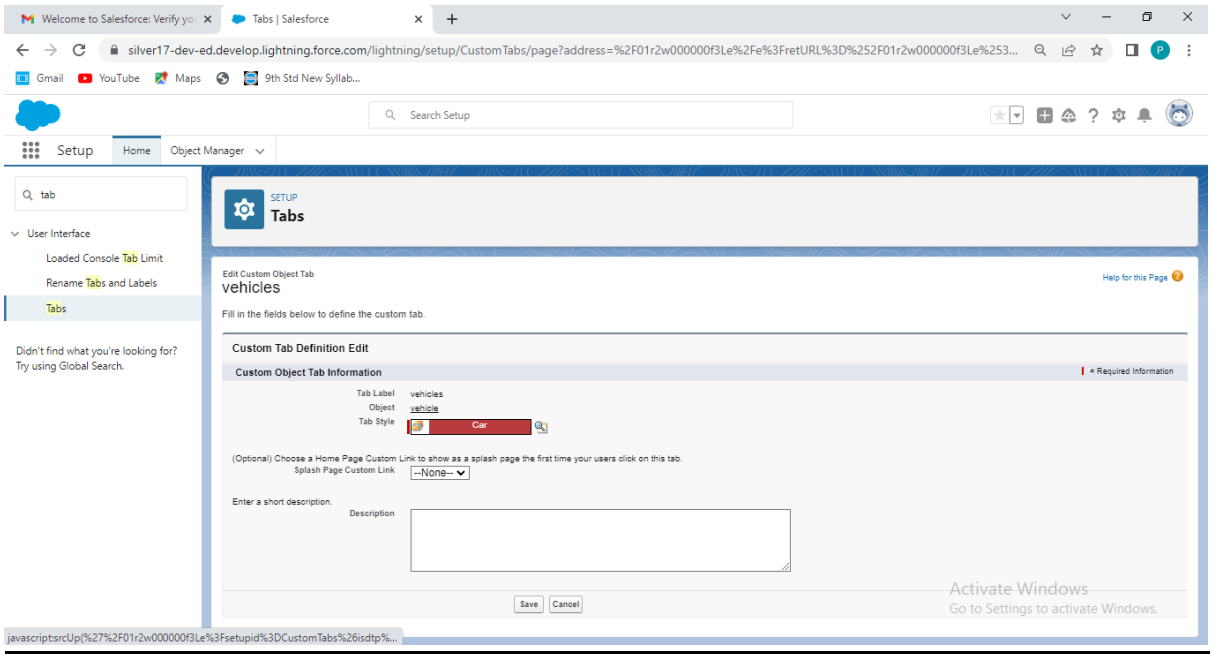
2. OBJECT AND TAB CREATION

We create two custom objects and tabs namely Vehicle and Driver for the creation of Vehicle management application.

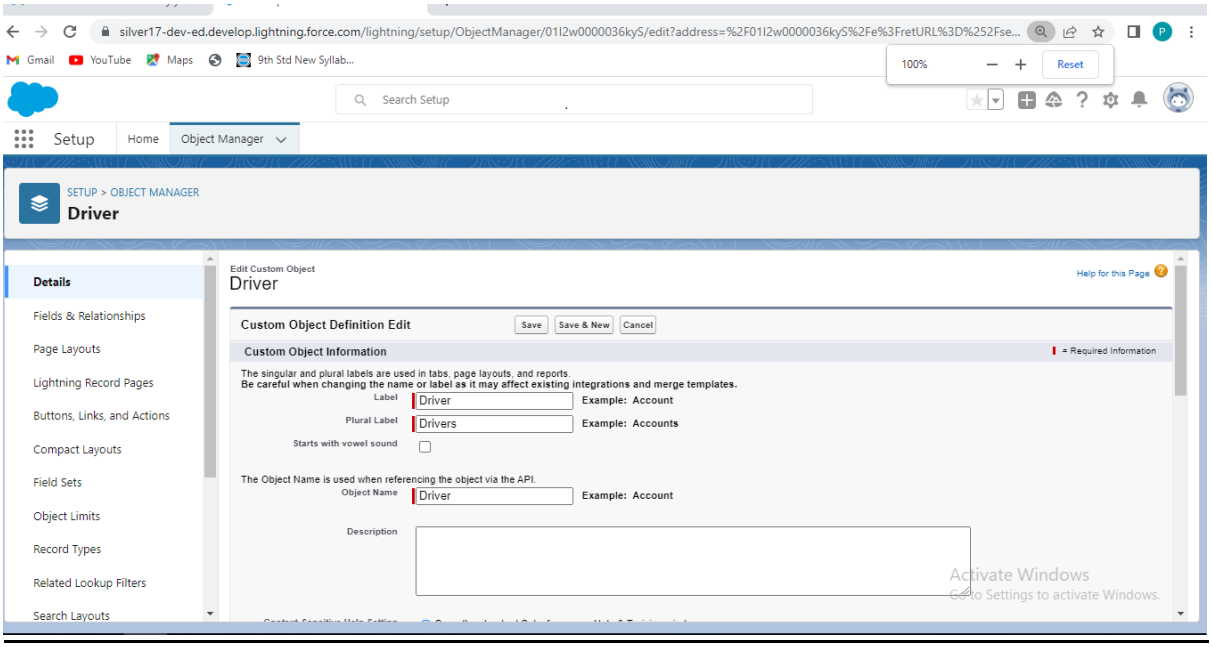
VEHICLE OBJECT



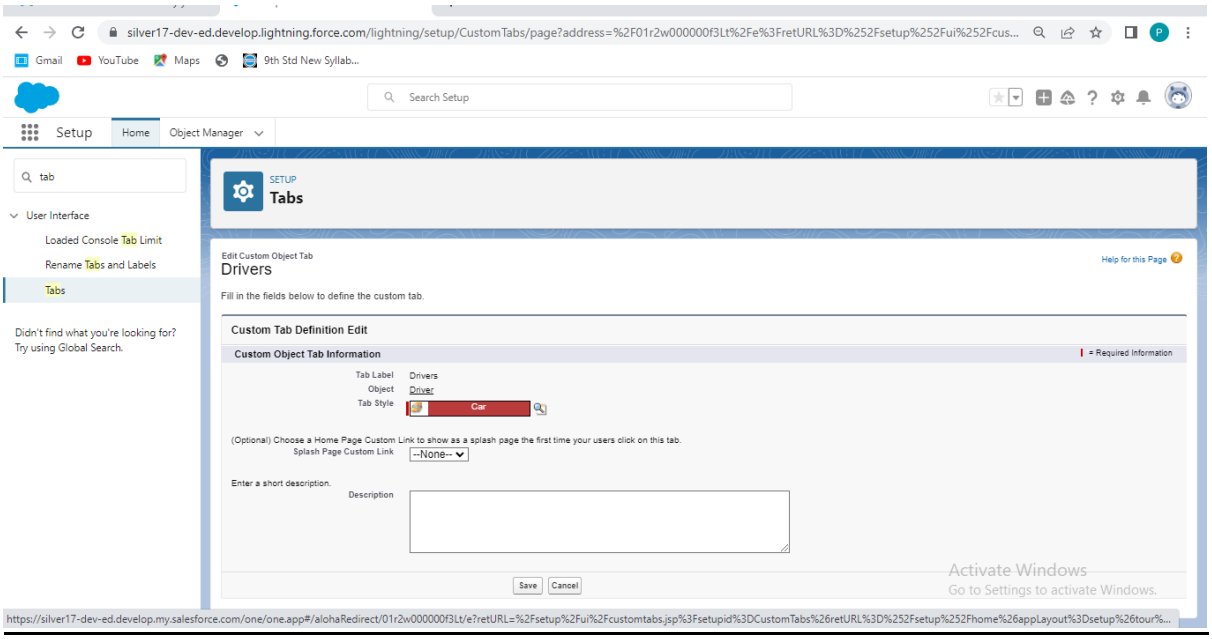
VEHICLE TAB



DRIVER OBJECT



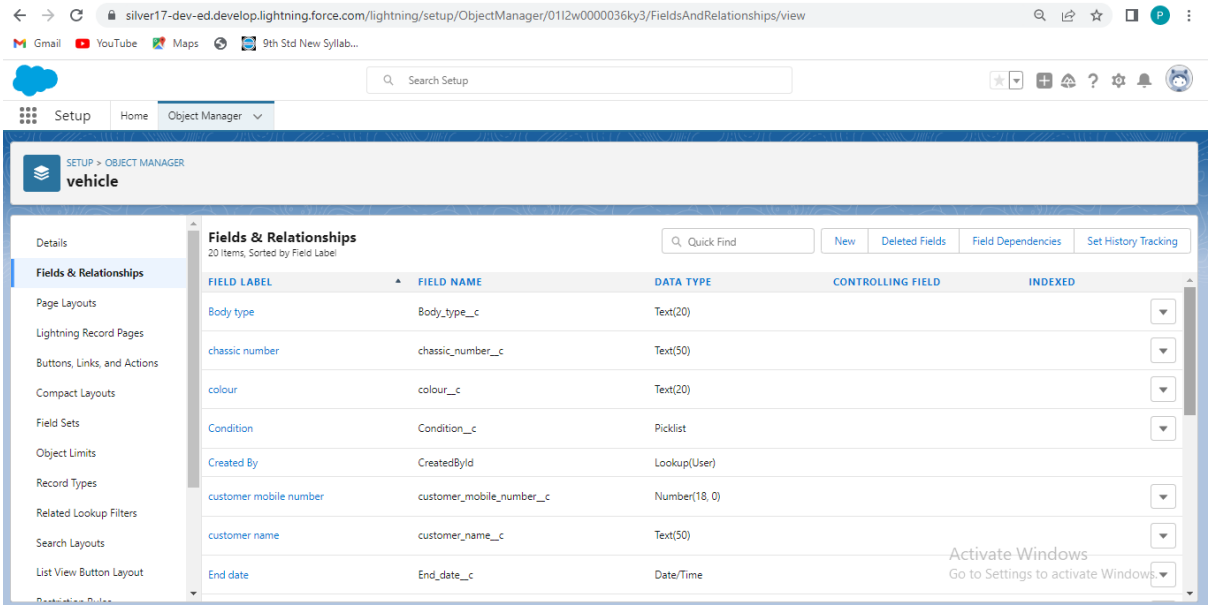
DRIVER TAB

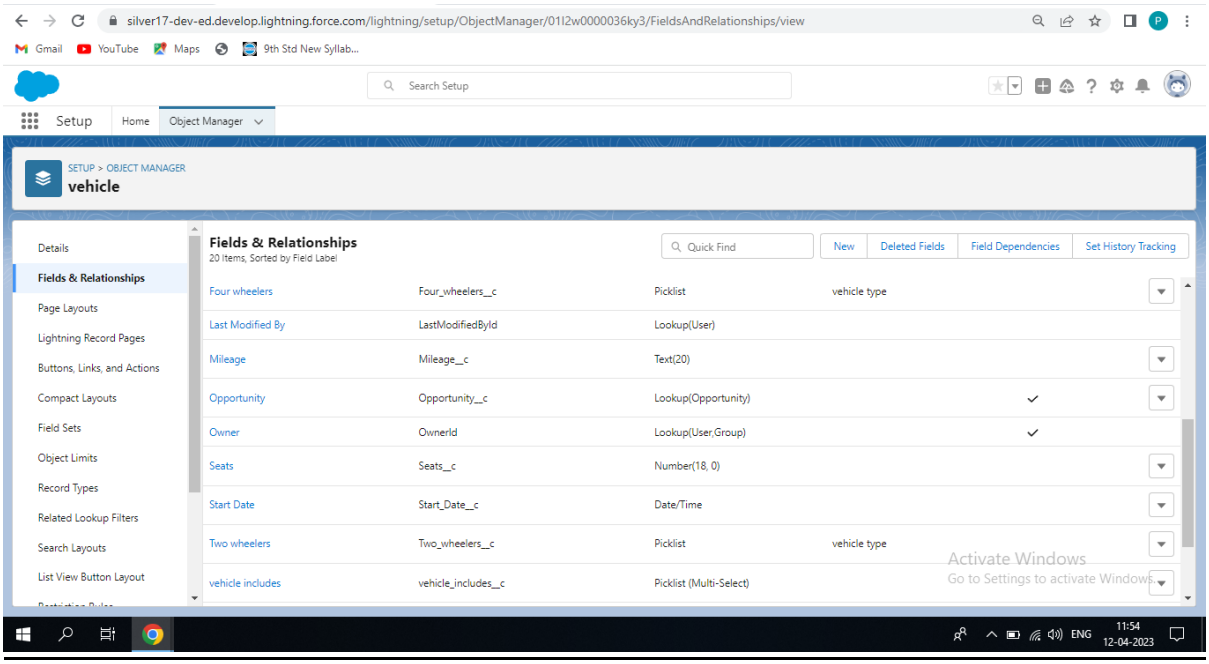


3. FIELDS AND RELATIONSHIP CREATION

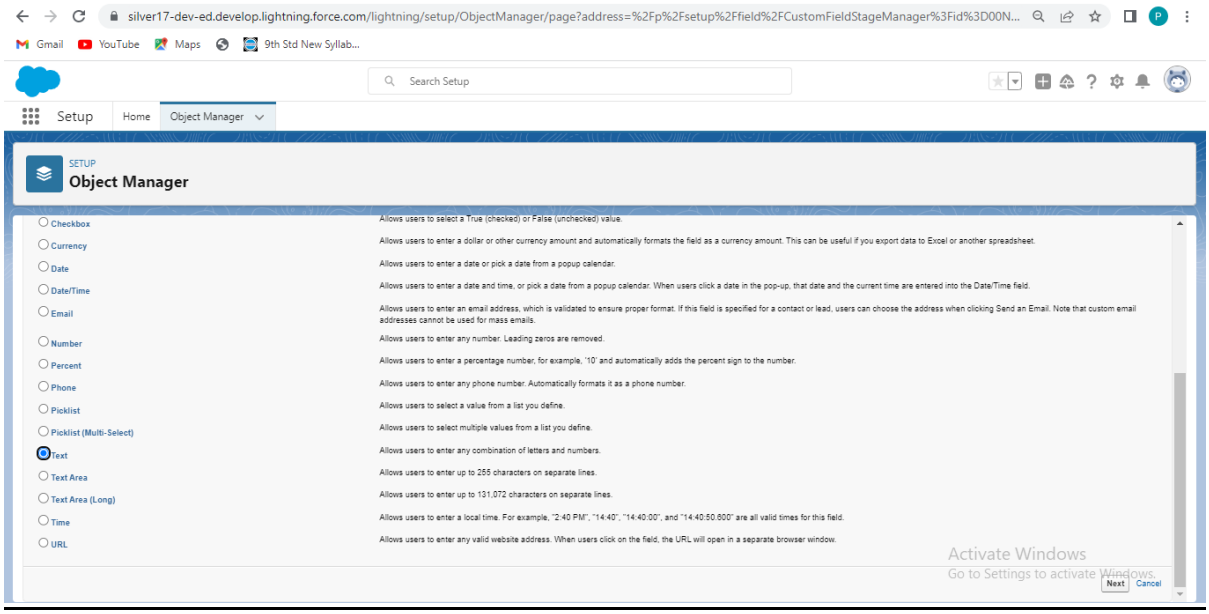
In this section , we create fields for the vehicle and driver objects and also create field dependencies.

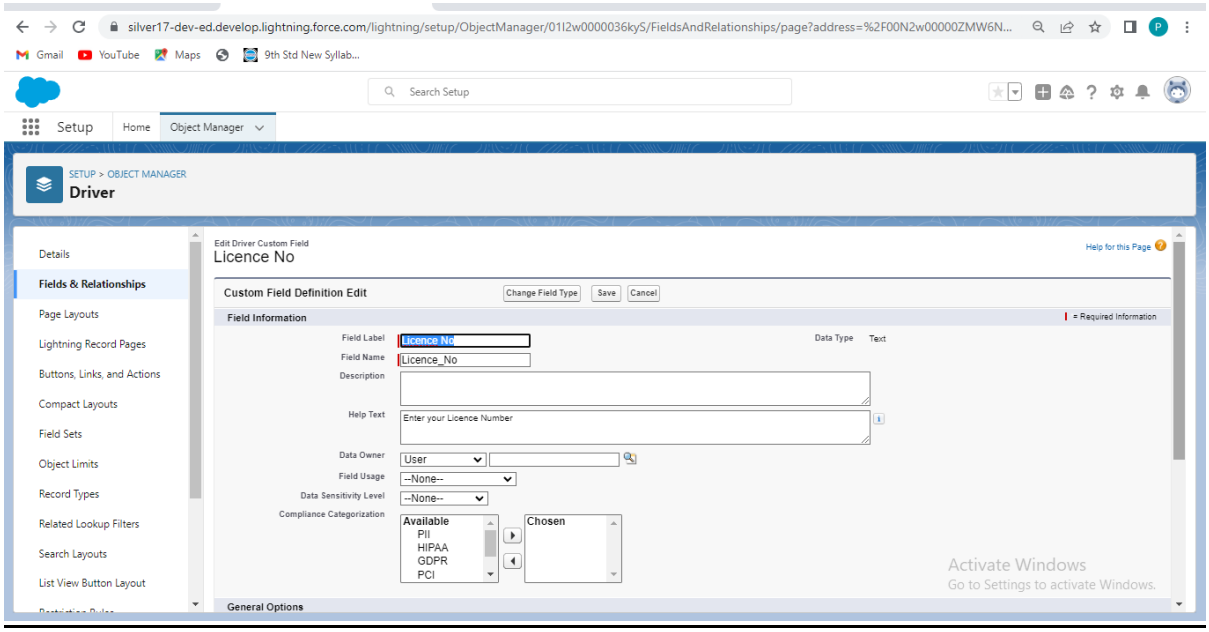
Fields in vehicle object

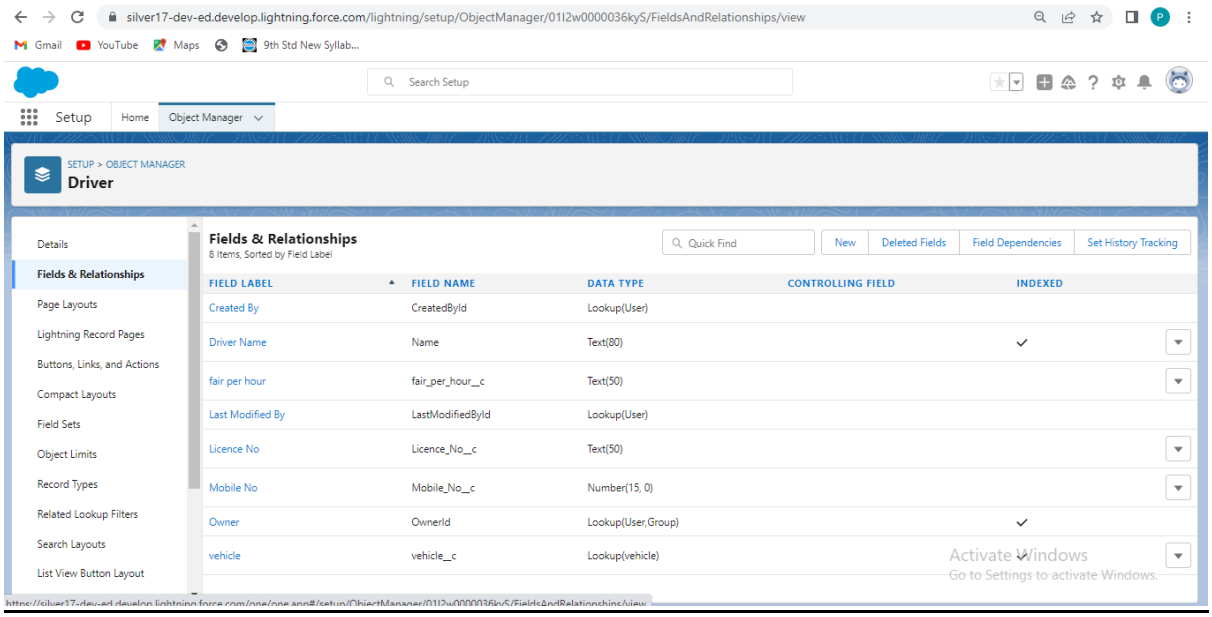




Creation of fields in Driver object

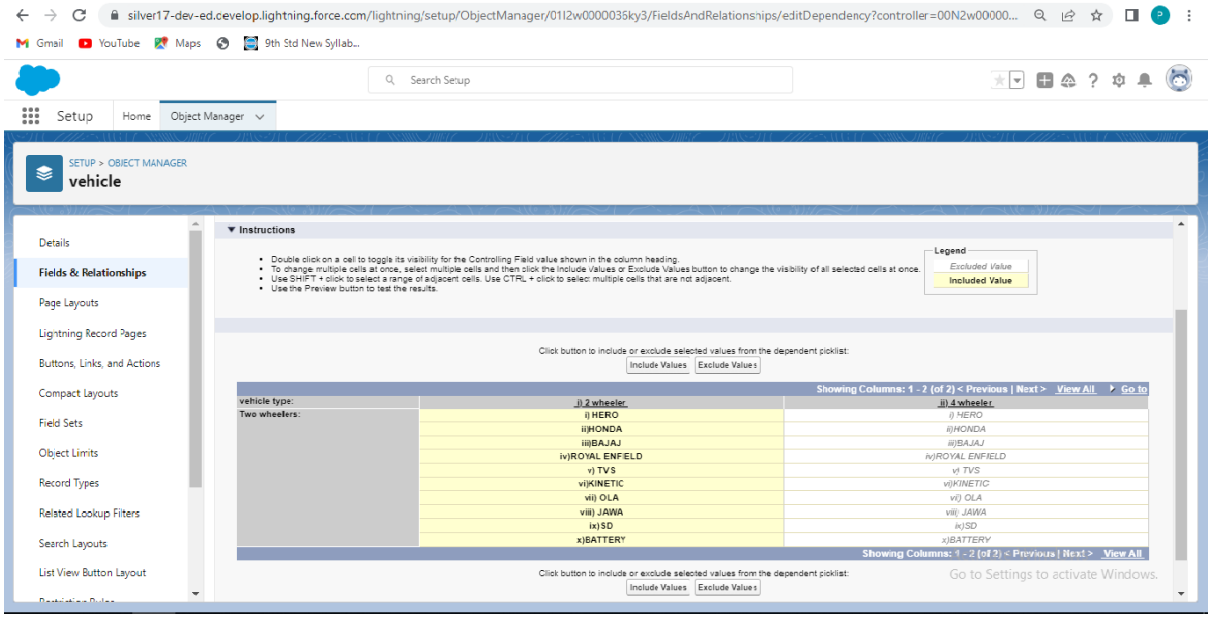


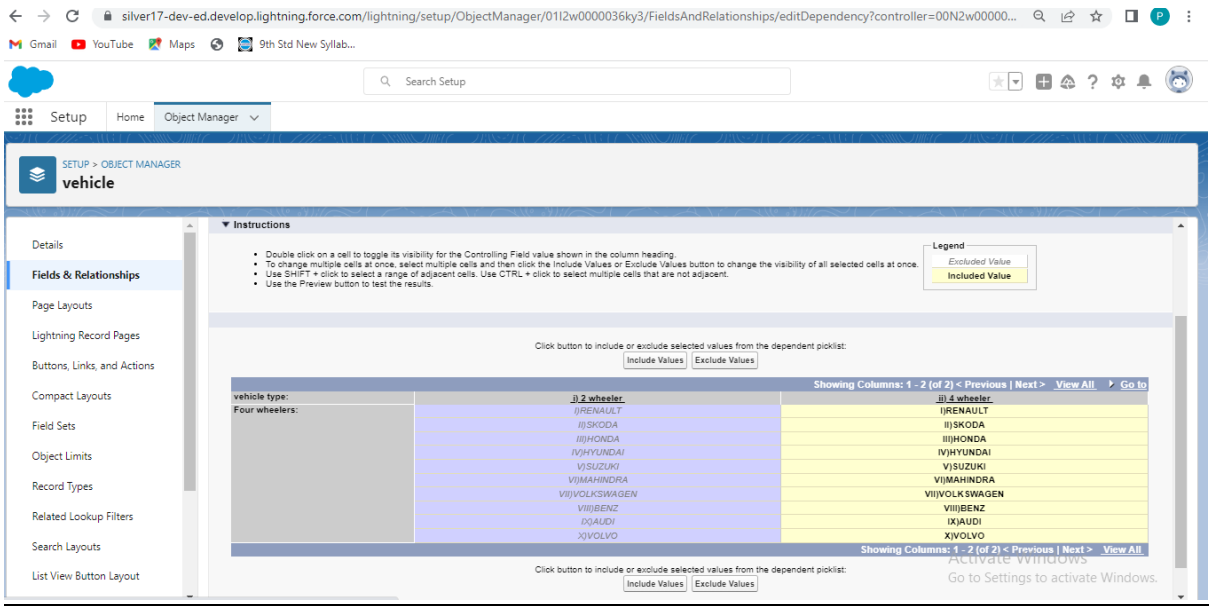




CREATING FIELD DEPENDENCIES

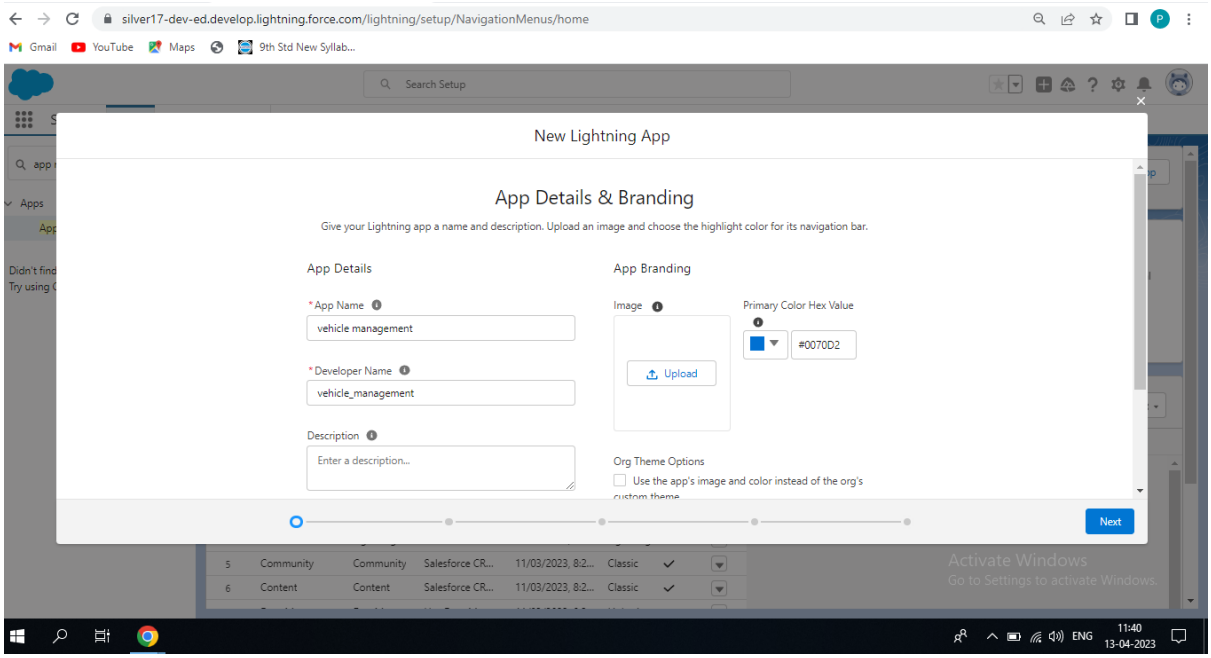
Field dependencies for two wheelers and four wheelers

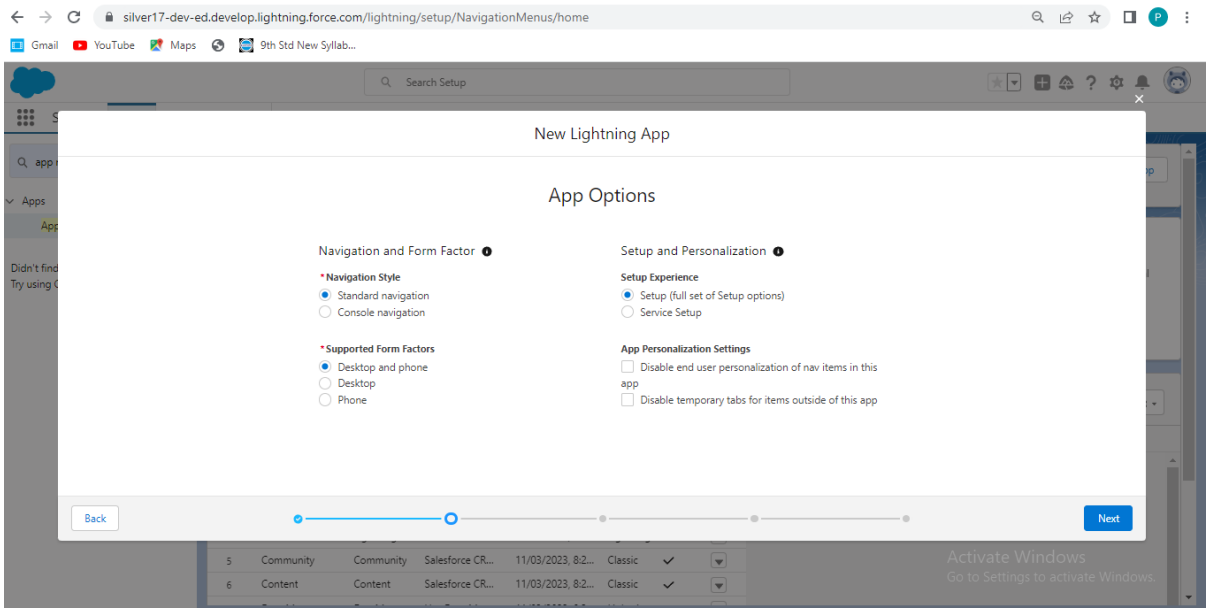


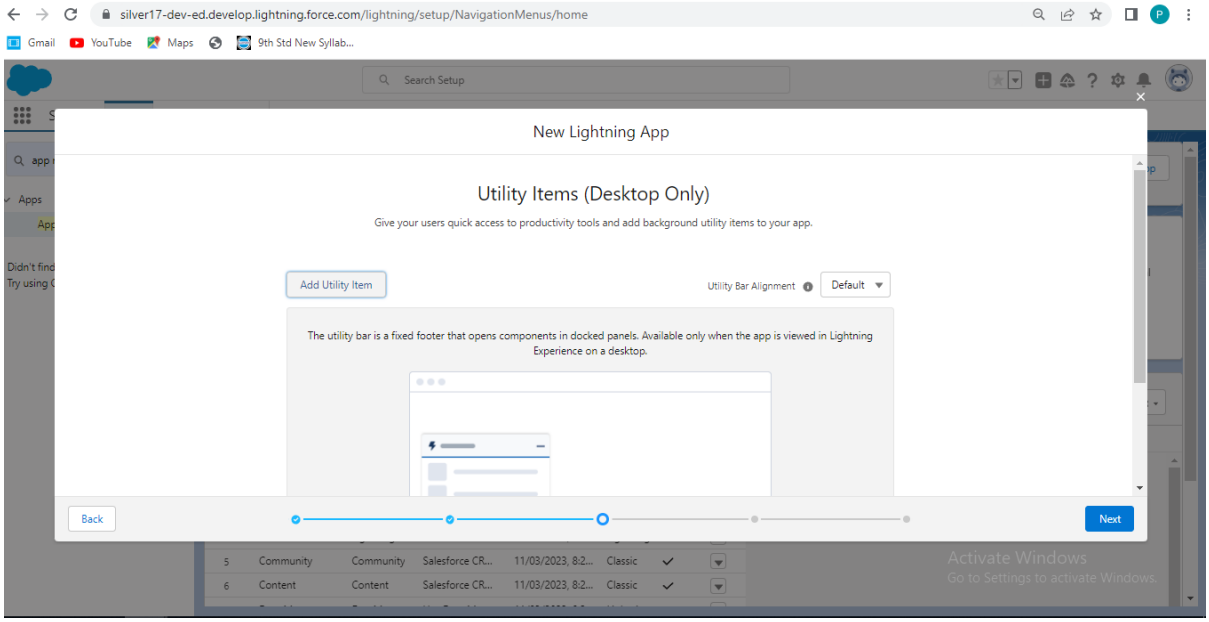


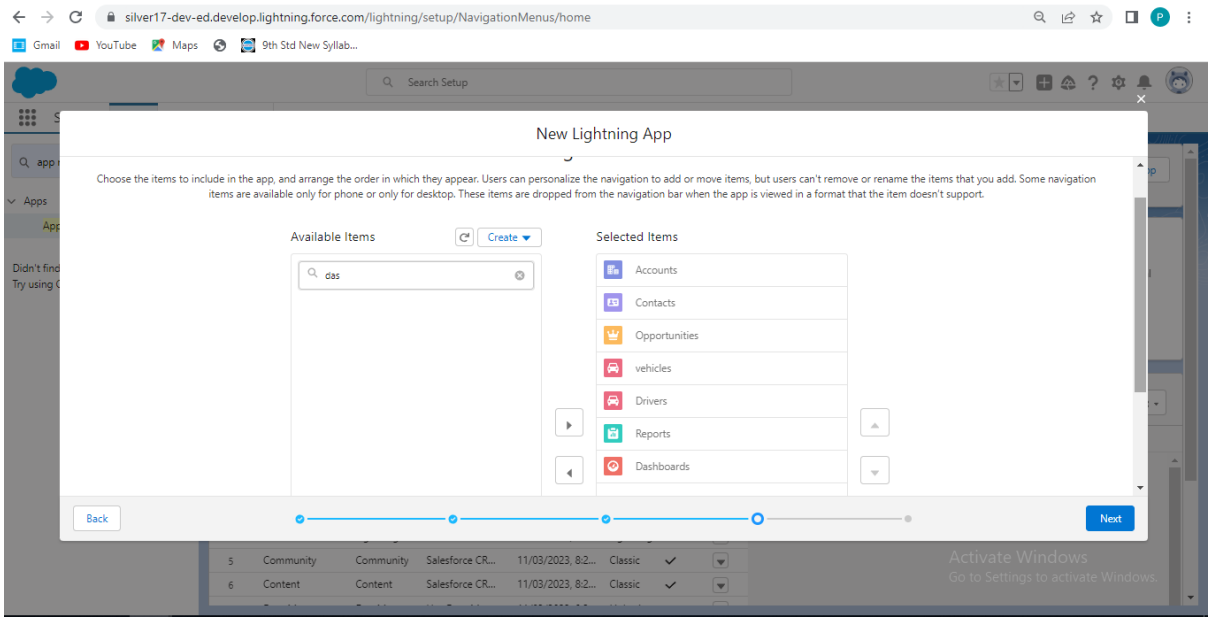
4. CREATION OF VEHICLE MANAGEMENT APPLICATION

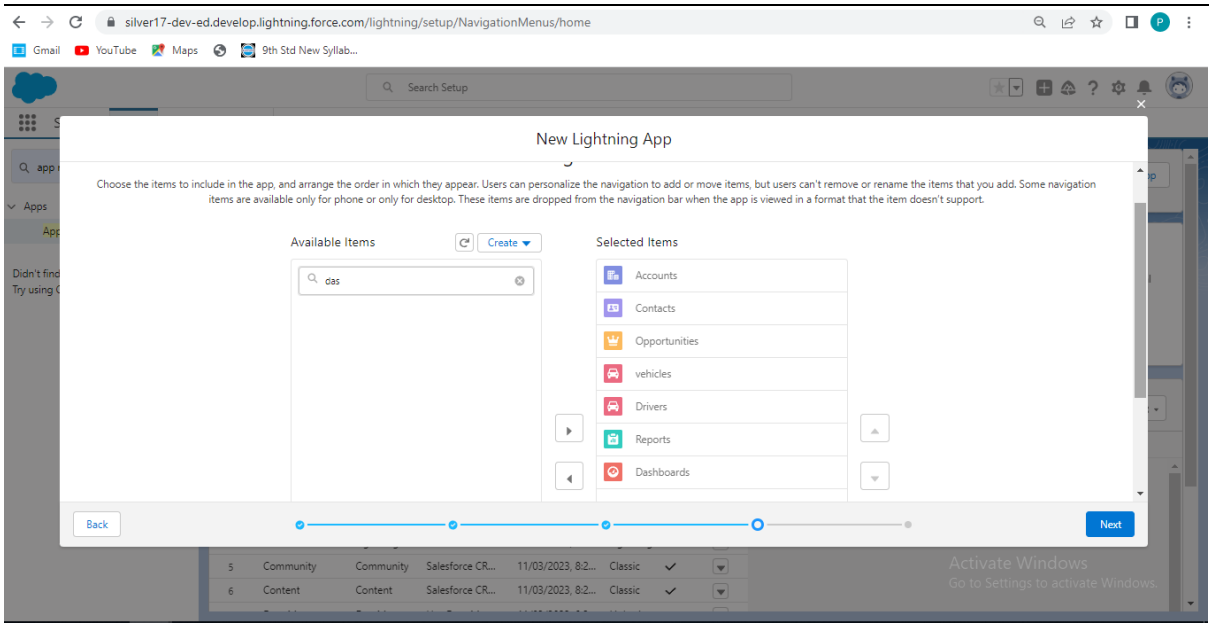
We create vehicle management application by giving the following details.




silver17-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home
Gmail
YouTube
Maps
9th Std New Syllab...
Search Setup
New Lightning App
App Options
Navigation and Form Factor
*Navigation Style
Standard navigation
Console navigation
*Supported Form Factors
Desktop and phone
Desktop
Phone
Setup and Personalization
Setup Experience
Setup (full set of Setup options)
Service Setup
App Personalization Settings
Disable end user personalization of nav items in this app
Disable temporary tabs for items outside of this app
Back
Next
Activate Windows
Go to Settings to activate Windows.


silver17-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home
Gmail
YouTube
Maps
9th Std New Syllab...
Search Setup
New Lightning App
Utility Items (Desktop Only)
Give your users quick access to productivity tools and add background utility items to your app.
Add Utility Item
Utility Bar Alignment
Default
The utility bar is a fixed footer that opens components in docked panels. Available only when the app is viewed in Lightning Experience on a desktop.
Back
Next
Activate Windows
Go to Settings to activate Windows.


silver17-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home
Gmail
YouTube
Maps
9th Std New Syllab...
Search Setup
New Lightning App
Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support.
Available Items
Create
das
Selected Items
Accounts
Contacts
Opportunities
vehicles
Drivers
Reports
Dashboards
Back
Next
Activate Windows
Go to Settings to activate Windows.


silver17-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home
Gmail
YouTube
Maps
9th Std New Syllab...
Search Setup
New Lightning App
Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support.
Available Items
Create
das
Selected Items
Accounts
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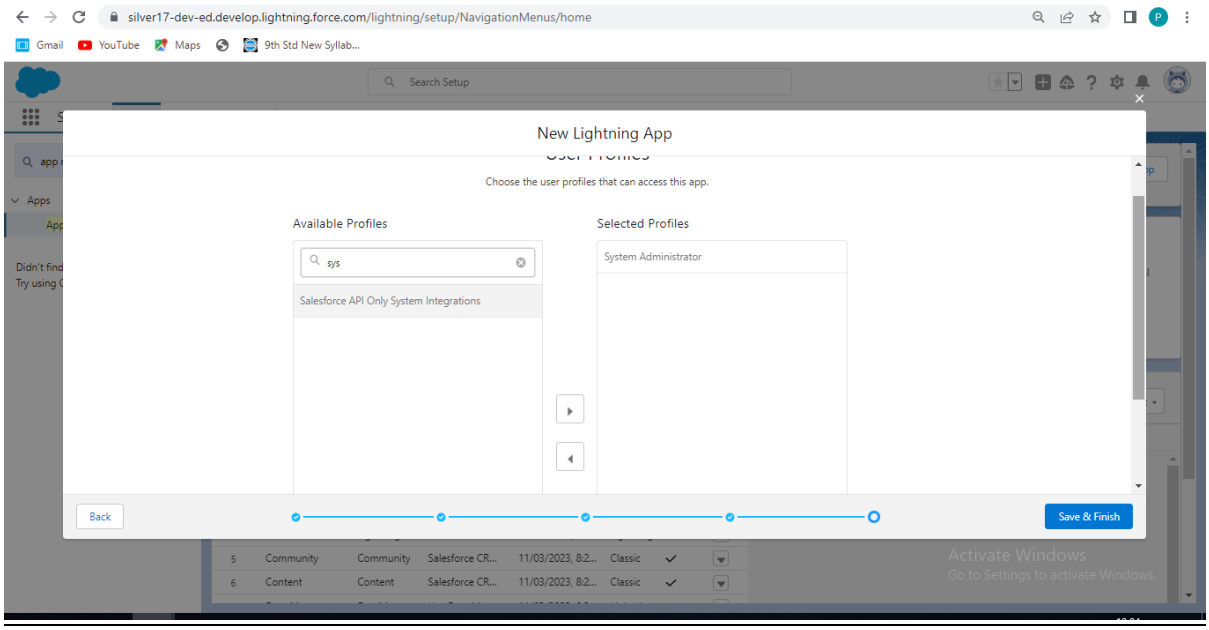
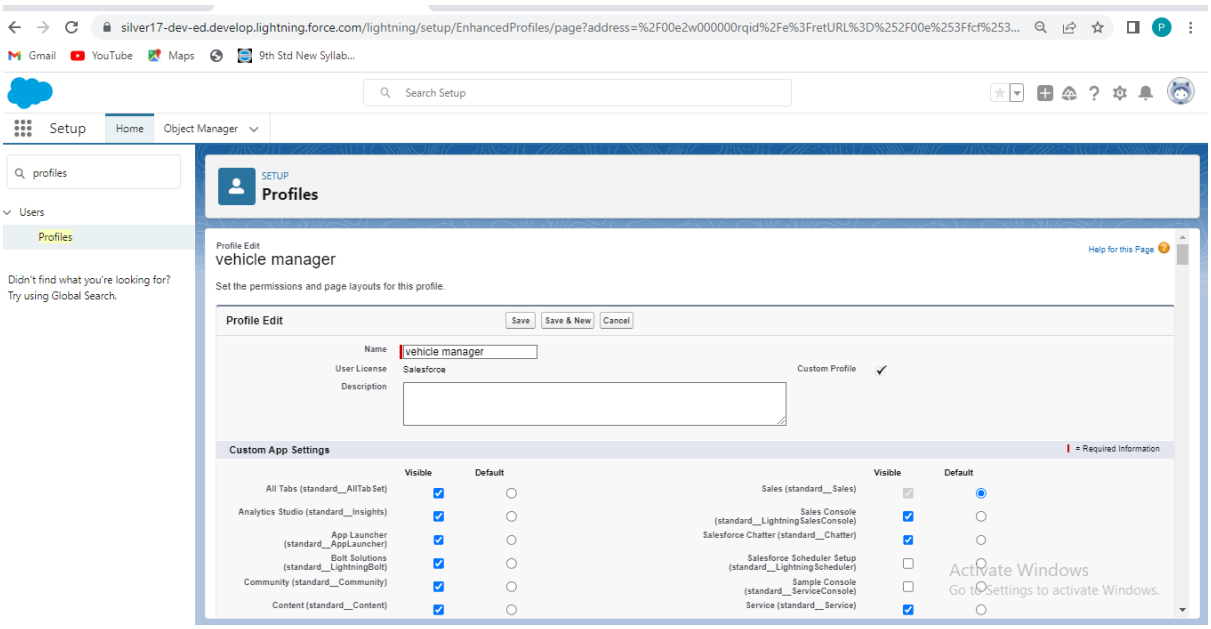
vehicles
Drivers
Reports
Dashboards
Back
Next
Activate Windows
Go to Settings to activate Windows.

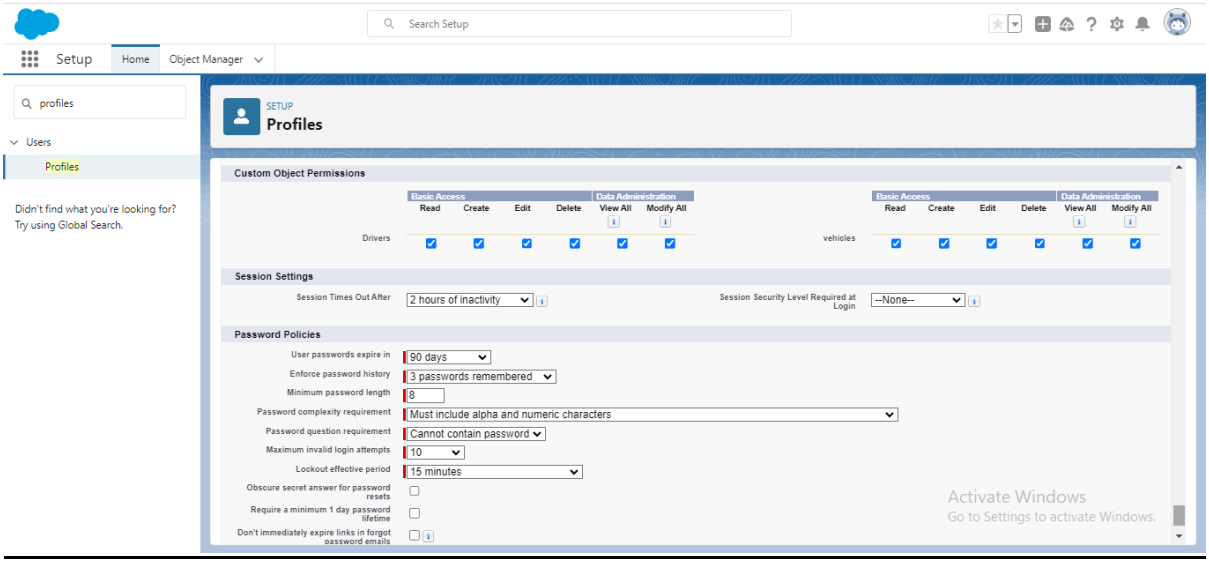


5. CREATION OF PROFILES

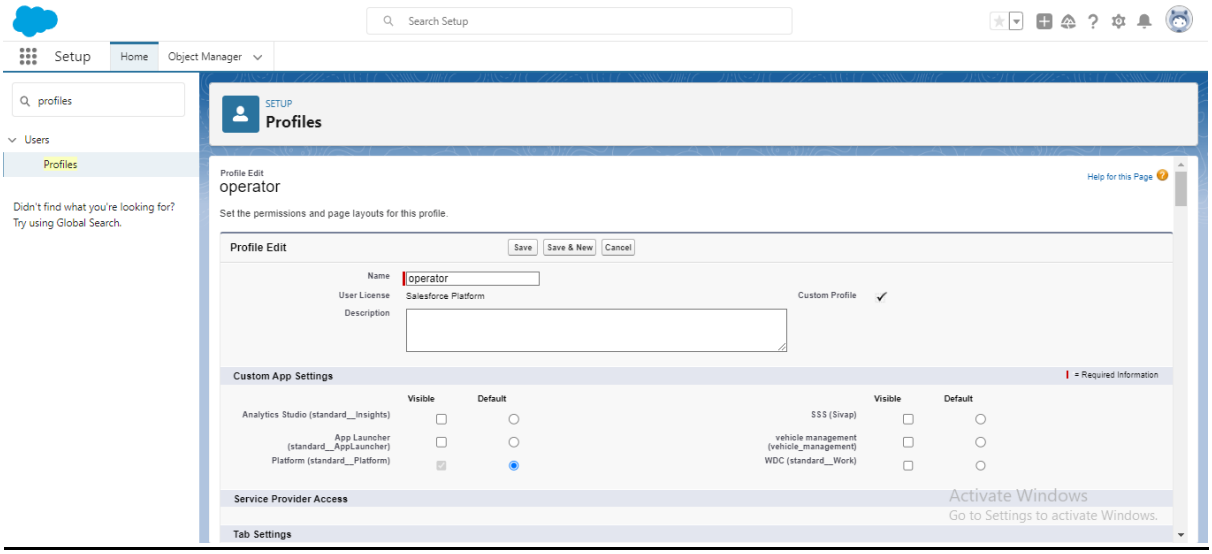
In this section, we create two profiles vehicle manager and operator.

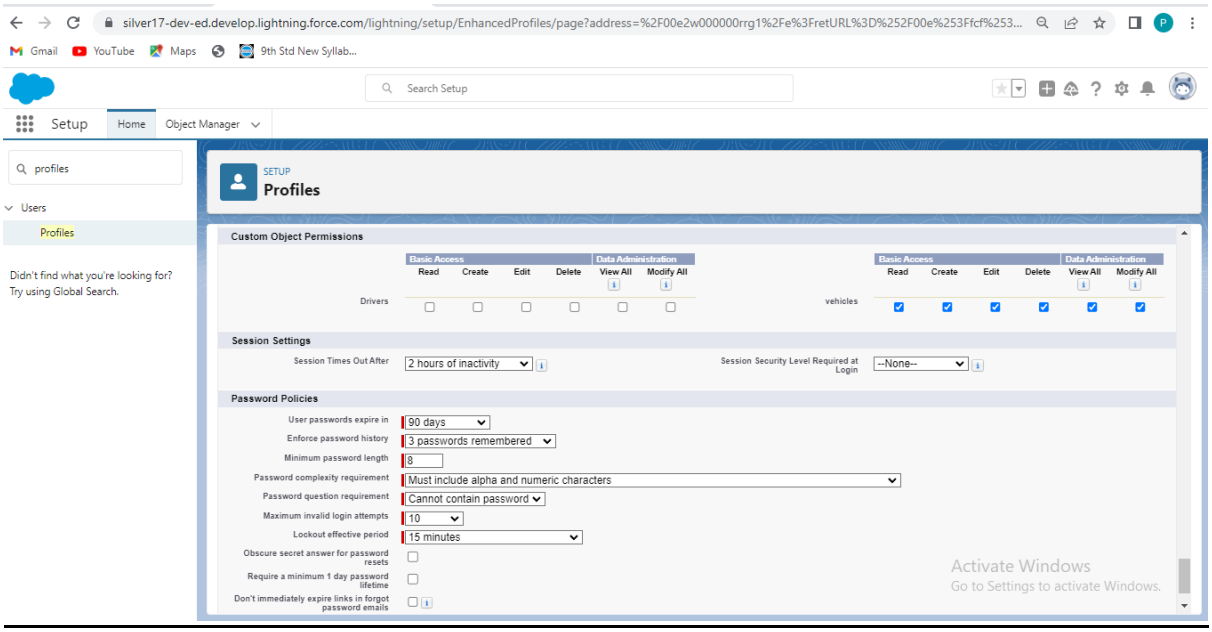
Vehicle manager profile





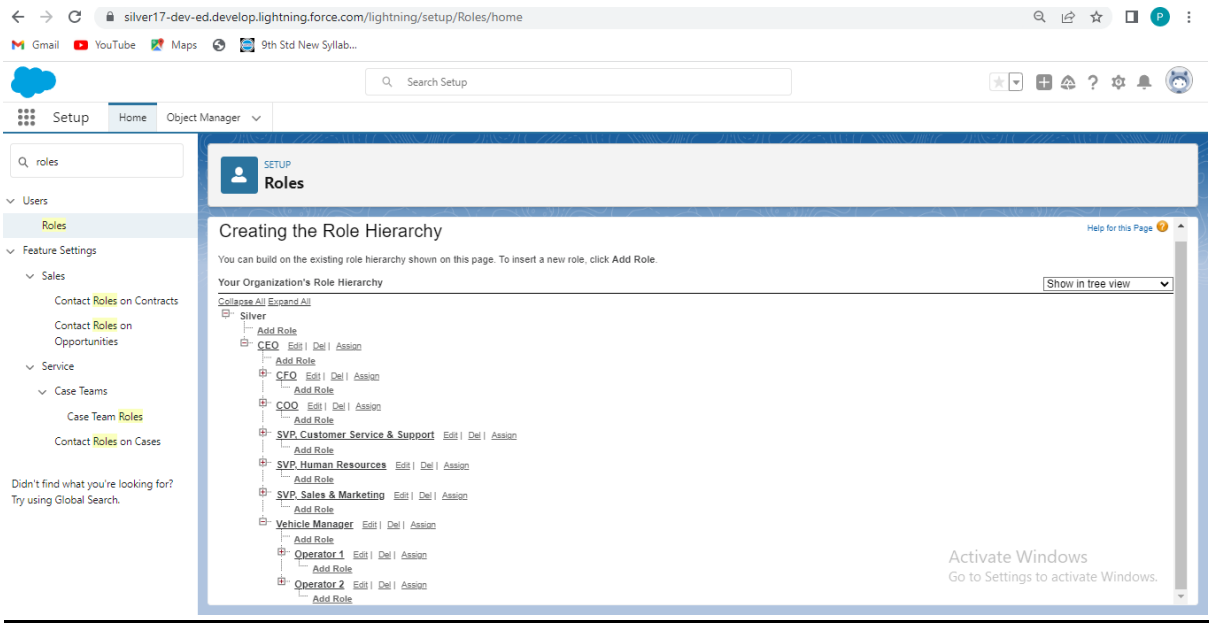
Operator profile





Set up roles

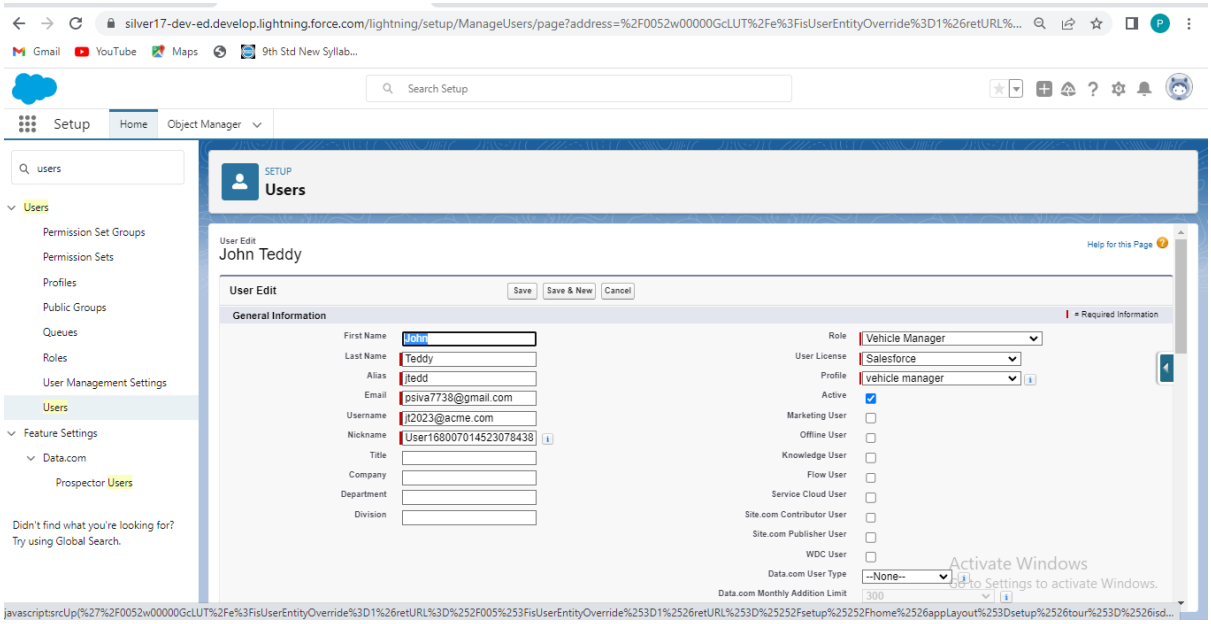
We set roles for vehicle manager, operator 1 and operator2.



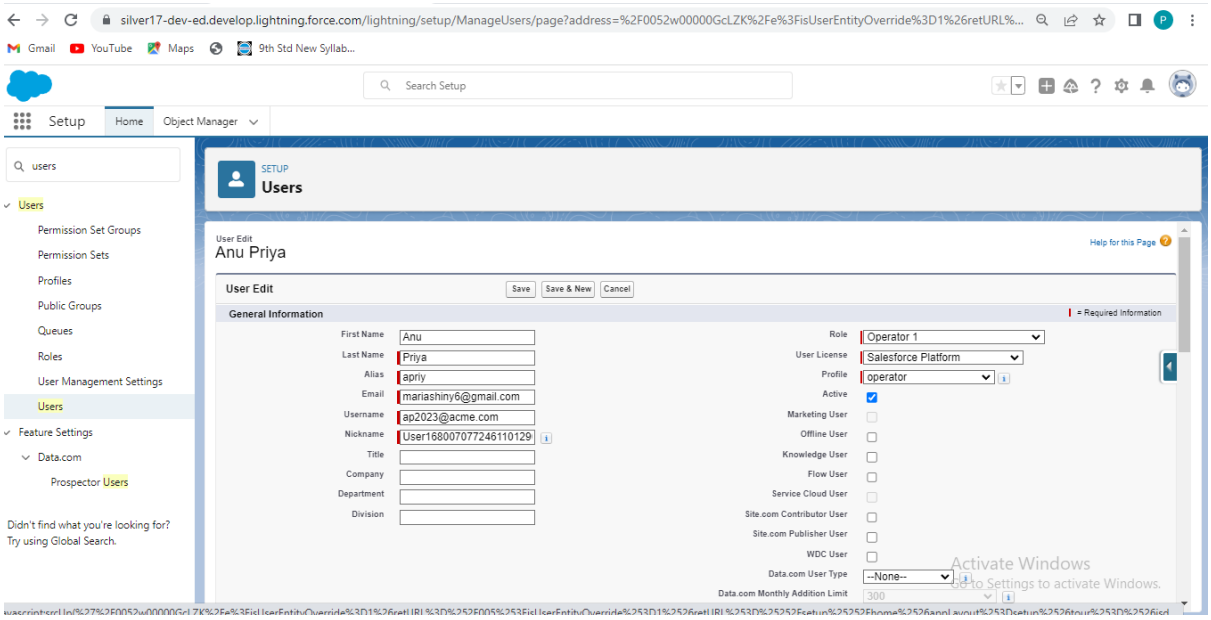
6. CREATION OF USERS

In this part , we create 3 users and assign vehicle manager role along with the vehicle manager profile and operator1 & operator2 roles along with the operator profile.

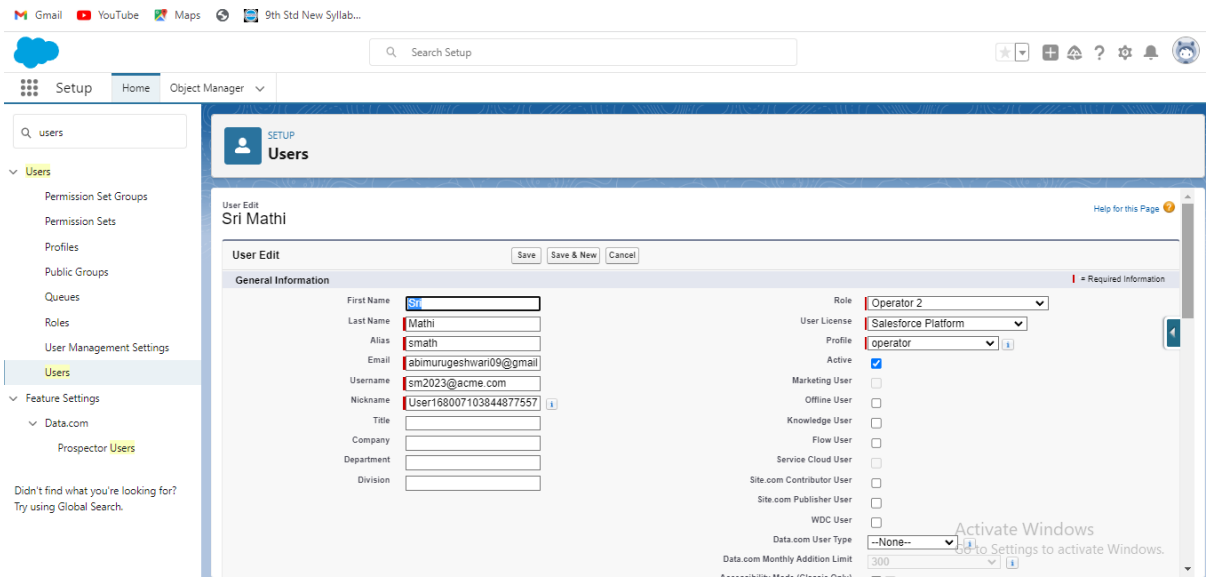
User: vehicle manager



User: Operator 1

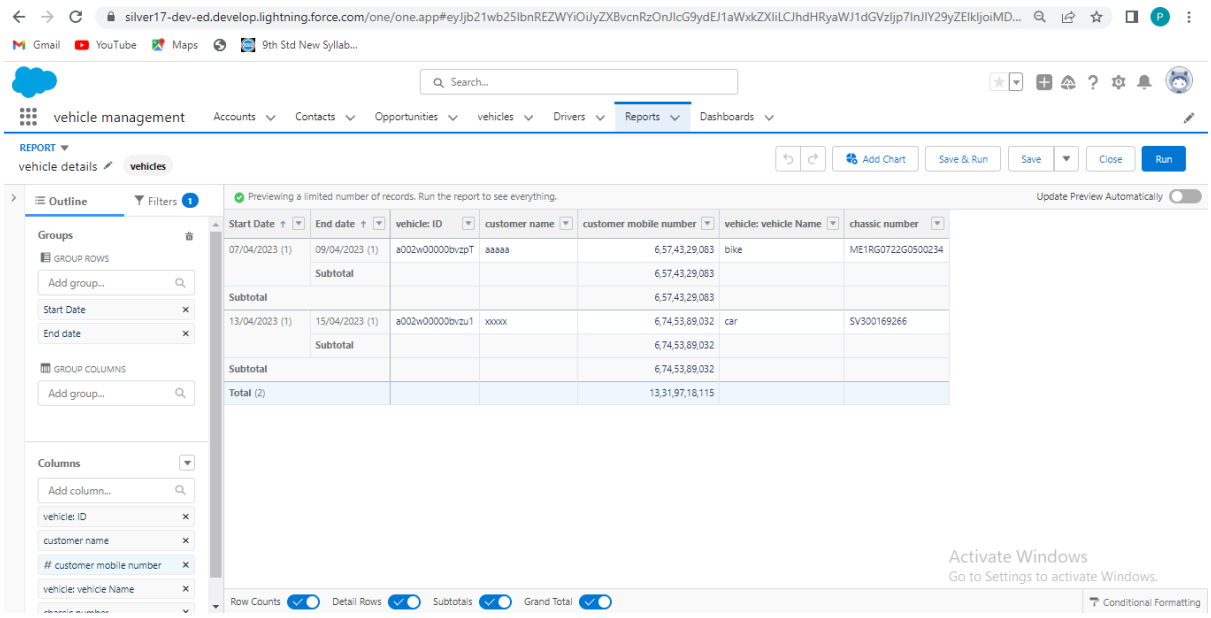


User: operator 2

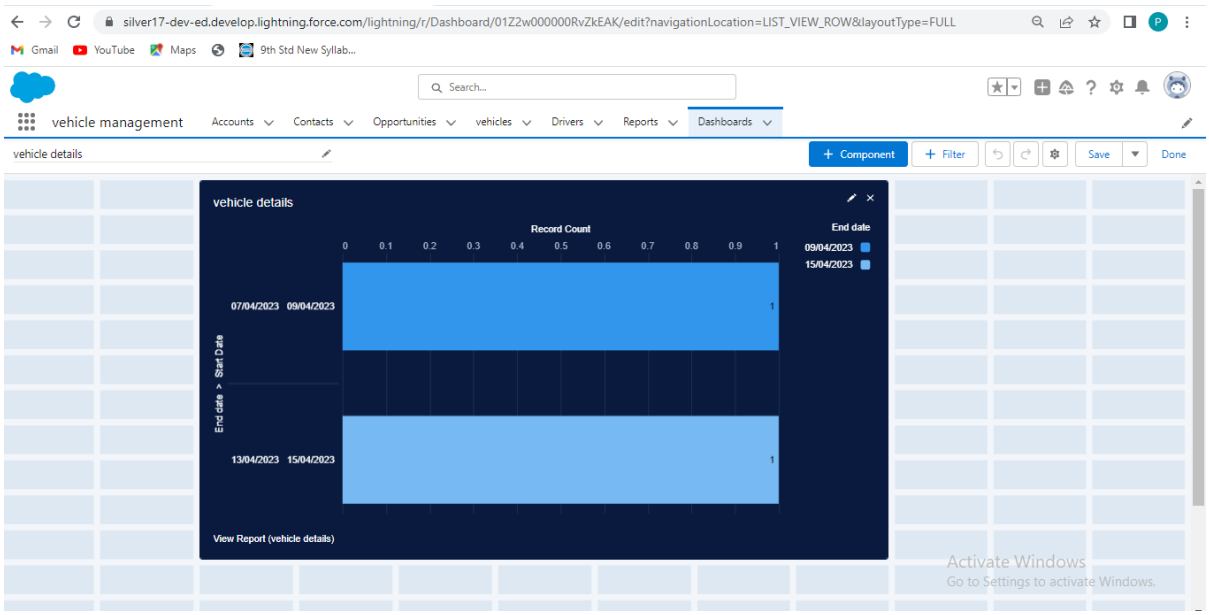


7. CREATION OF REPORTS AND DASHBOARDS

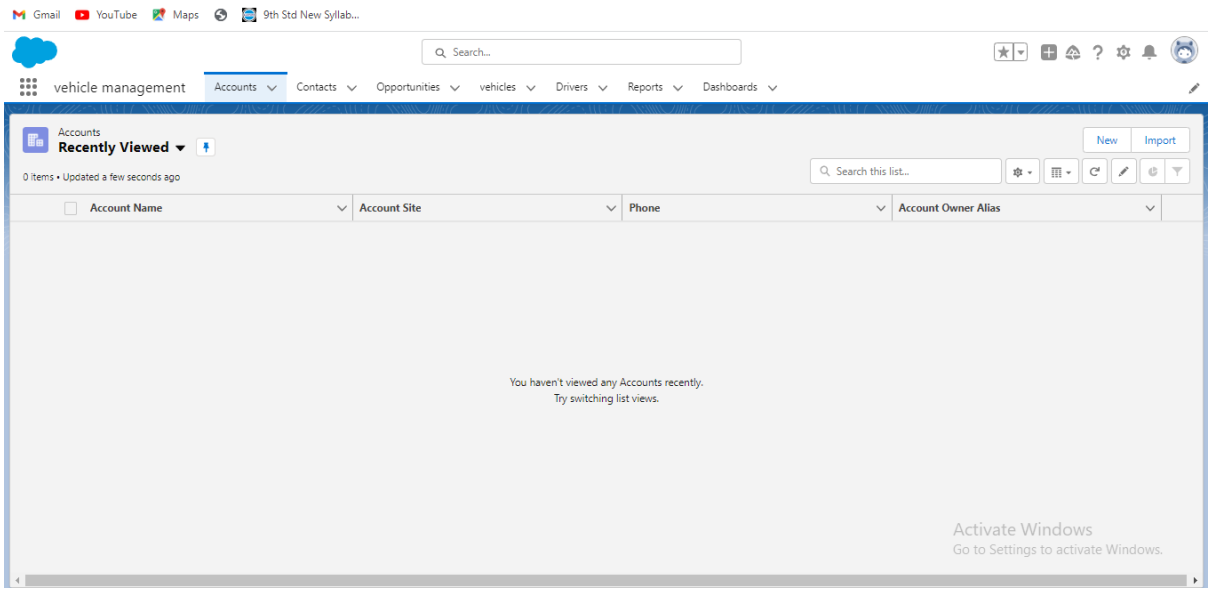
REPORT



DASHBOARD



APP HOME PAGE



4. TRAILHEAD PUBLIC URL

Team Lead –https://trailblazer.me/id/sivap140
Team Member 1- https://trailblazer.me/id/mpalaniandi
Team Member 2- https://trailblazer.me/id/akrishnan169
Team Member 3- https://trailblazer.me/id/rjanakiraman2
Team Member 4- https://trailblazer.me/id/marid31

5.ADVANTAGES AND DISADVANTAGES

Advantages

- **It is very easy and convenience for customers.**
- **It provides easy transportation anywhere.**
- **It reduce human error.**
- **Automated emails and texts are sent to the customers to remind them of their upcoming offers.**

Disadvantages

- **It needs internet**
- **Software glitch**

APPLICATIONS

The vehicle management system application is an application for the Automative Industry. This system meets the needs of the vehicle manager For efficient management of vehicles uder the information age.

CONCLUSION:

The vehicle management system application is successful combination of computer technology and practical problems. The Vehicle management system frees people from completing repetative work and saves human resources costs.

FUTURE SCOPE:

We give more advanced software for Vehicle Management System including more facillities. Here we can maintain the records of Vehicle and Drivers, so there is a scope for introducing method to maintain the Vehicle management system.