

VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

1 INTRODUCTION:

Are you new to Salesforce? Not sure exactly what it is, or how to use it? Don't know where you should start on your learning journey? If you've answered yes to any of these questions, then you're in the right place. This module is for you.

Welcome to Salesforce! Salesforce is game-changing technology, with a host of productivity-boosting features, that will help you sell smarter and faster. As you work toward your badge for this module, we'll take you through these features and answer the question, "What is Salesforce, anyway?"

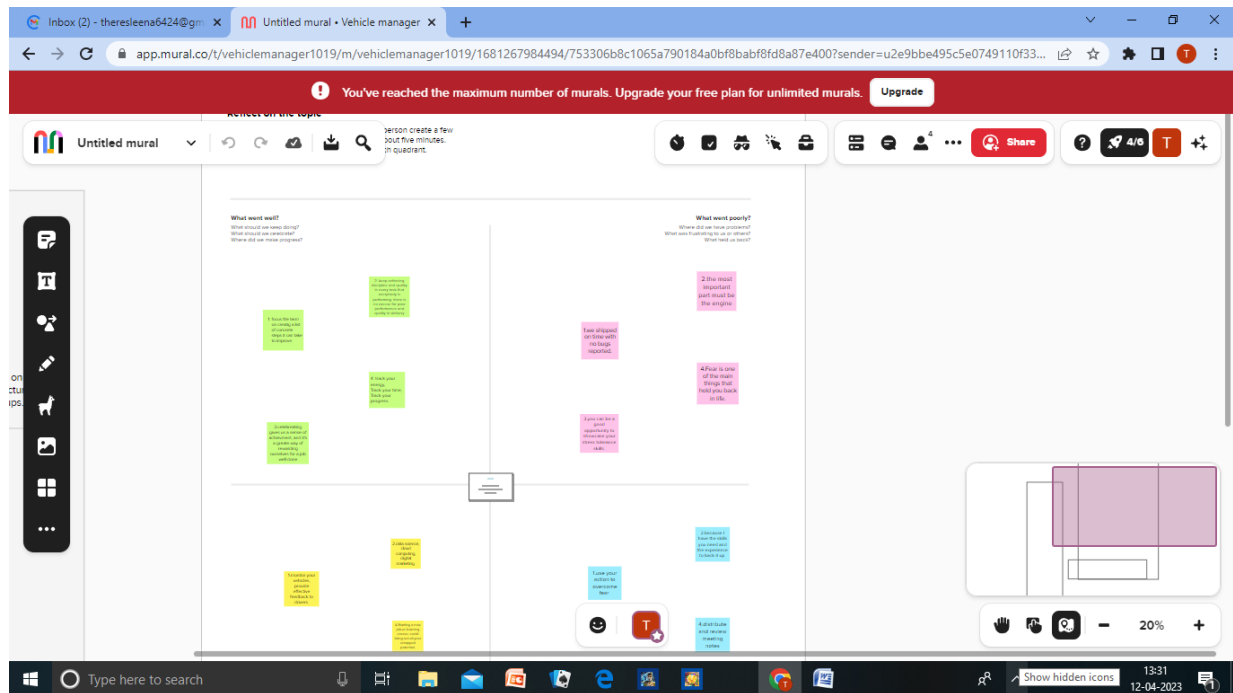
WHAT IS SALESFORCE?

Salesforce is your customer success platform, designed to help you sell, service, market, analyze, and connect with your customers.

Salesforce has everything you need to run your business from anywhere. Using standard products and features, you can manage relationships with prospects and customers, collaborate and engage with employees and partners, and store your data securely in the cloud.

So what does that really mean? Well, before Salesforce, your contacts, emails, follow-up tasks, and prospective deals might have been organized something like this: <https://youtu.be/r9EX3lGde5k>

2. PROBLEM DEFINITION & DESIGN THINKING EMPATHY MAP:



IDEATION & BRAINSTORMING MAP:



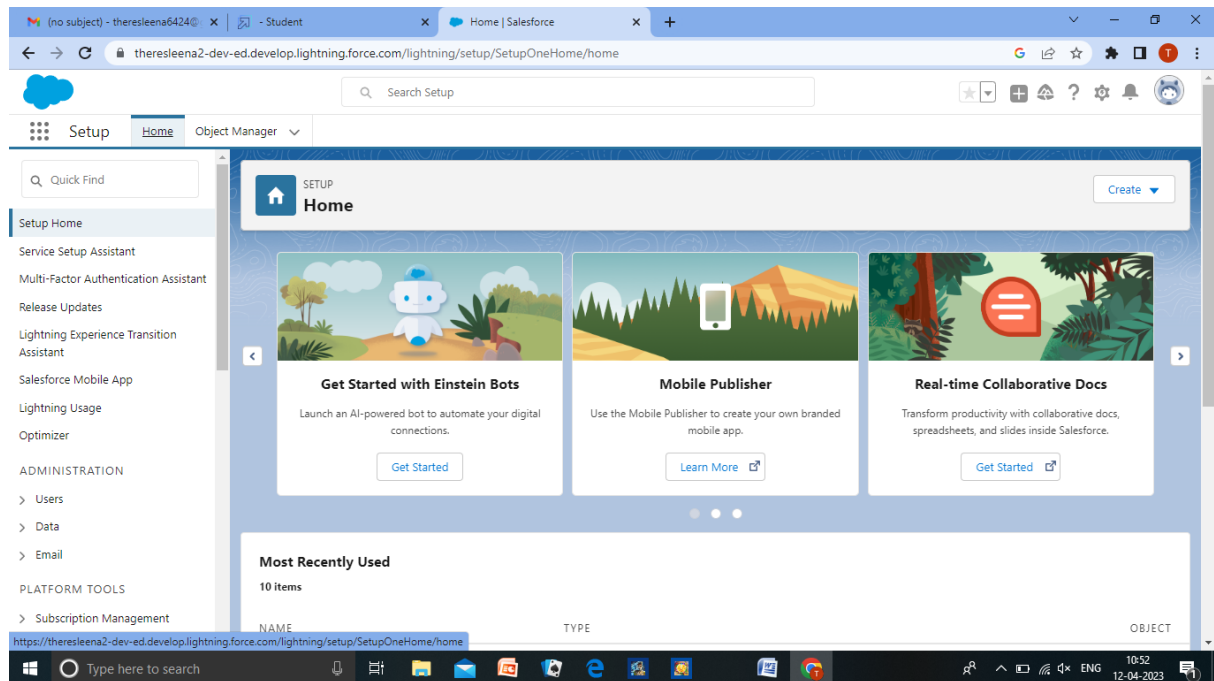
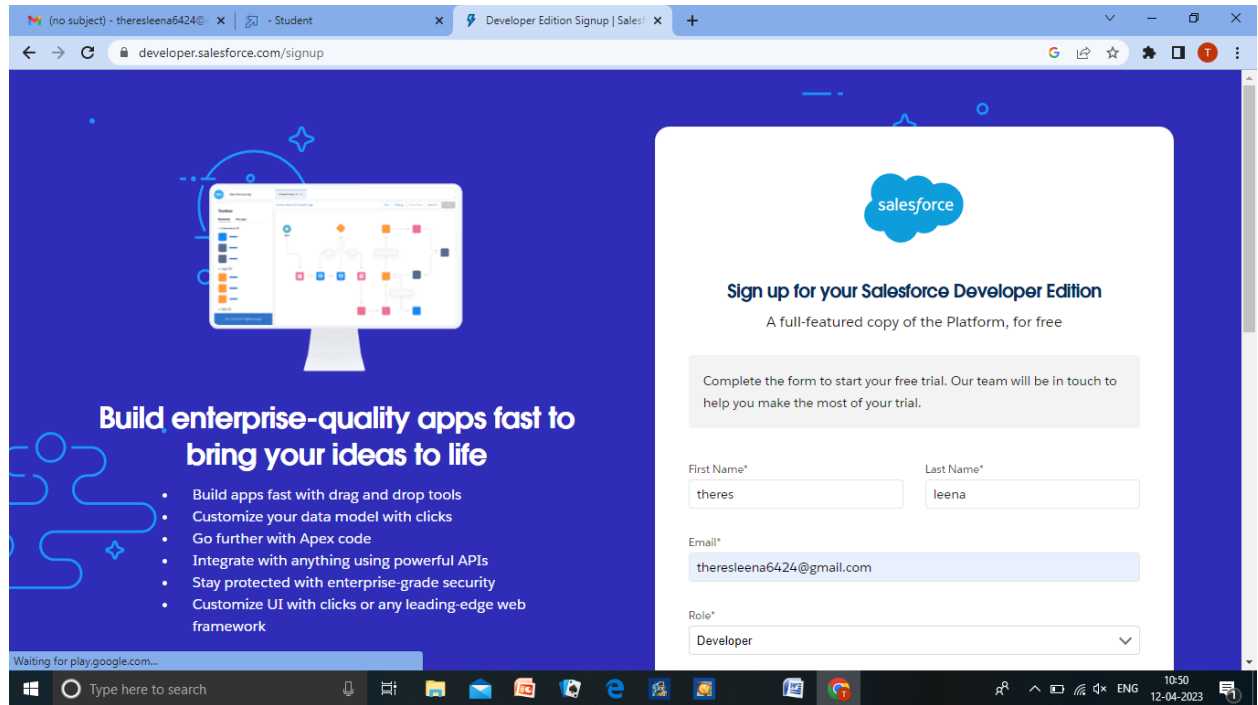
3. RESULT

DATA MODEL:

OBJECT NAME	FIELD IN THE OBJECT	
VEHICLE	Field name	Data type
	Customer name	text
	Customer mobile number	number

DRIVER		
	Field name	Data type
	Driver name	text
	Mobie number	number

1. Created a salseforce developer org through the website developer.salesforce.com and the setup page appeared.

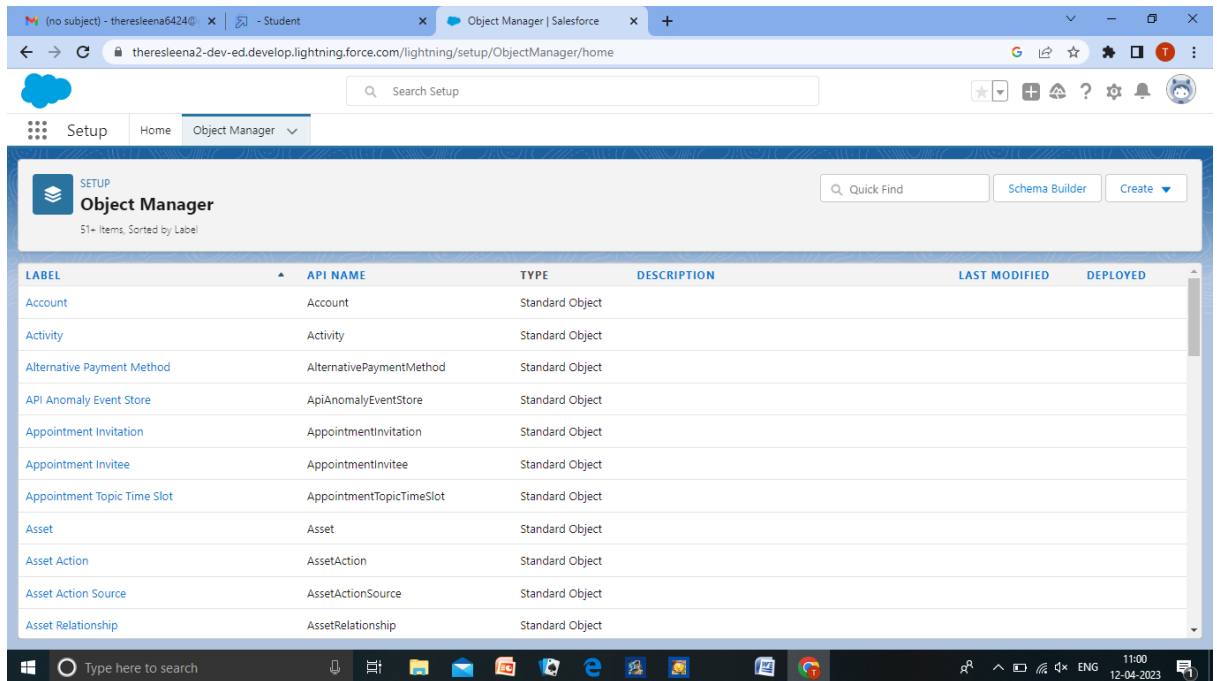


2. Custom object i.e vehicle and driver were created.

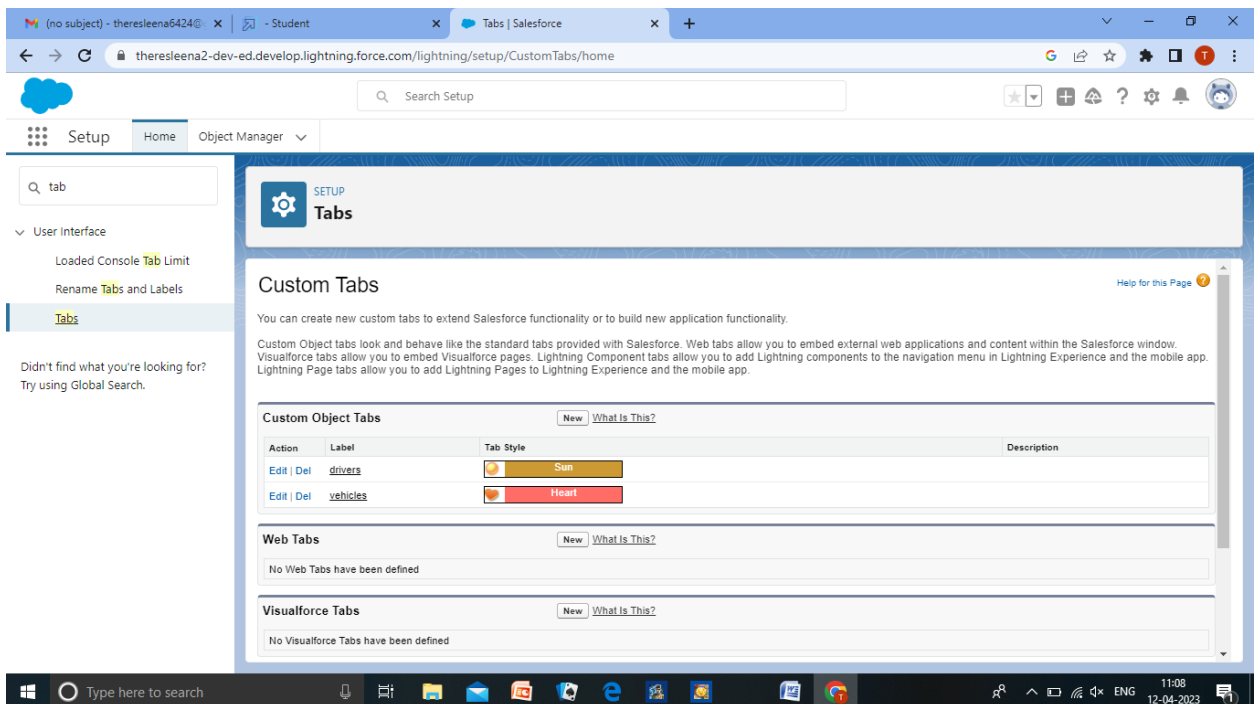
The screenshot shows the Salesforce Setup interface for a custom object named 'vehicle'. The browser address bar indicates the URL: <https://theresleena2-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/012w000003PwKM/Details/view>. The page title is 'vehicle'. The left sidebar contains a navigation menu with the following items: 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 main content area is titled 'Details' and contains the following information:

Details	
Description	
API Name	vehicle__c
Custom	<input checked="" type="checkbox"/>
Singular Label	vehicle
Plural Label	vehicles
Enable Reports	<input checked="" type="checkbox"/>
Track Activities	
Track Field History	
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

The bottom of the screen shows the Windows taskbar with the search bar and various application icons. The system clock in the bottom right corner displays the time 10:59 and the date 12-04-2023.



3. two custom tabs i.e vehicle and driver were created



4. field and relationship were created.

Security alert for mmichaelrenish: x vehicle | Salesforce x +

theresleena2-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003PwKM/FieldsAndRelationships/view

Setup Home Object Manager

vehicle

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
2 WHEELERS	X2_WHEELERS__c	Picklist	Vehicle type	
4 WHEELER	X4_WHEELER__c	Picklist	Vehicle type	
body type	body_type__c	Text(24)		
chassic no	chassic_no__c	Text(23)		
colour	colour__c	Text(23)		
condition	condition__c	Picklist		
Created By	CreatedById	Lookup(User)		
customer name	customer_name__c	Text(20)		
end date	end_date__c	Date/Time		
Last Modified By	LastModifiedById	Lookup(User)		
mileage	mileage__c	Text(25)		
number	number__c	Number(18, 0)		

Type here to search

07:43 12-04-2023

Security alert for mmichaelrenish: x driver | Salesforce x +

theresleena2-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003Q7p1/FieldsAndRelationships/view

Setup Home Object Manager

driver

Details

Fields & Relationships

9 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	driver_name__c	Text(26)		
driver Name	Name	Text(80)		✓
fair per hour	fair_per_hour__c	Text(28)		
Last Modified By	LastModifiedById	Lookup(User)		
licence no	licence_no__c	Text(27)		
mobile number	mobile_number__c	Number(16, 0)		
Owner	OwnerId	Lookup(User, Group)		✓
vehicle	vehicle__c	Lookup(vehicle)		✓

Type here to search

07:44 12-04-2023

5. VEHICLE MANAGEMENT construction app (lightning app) was created.

theresleena2-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home

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 ⓘ
vehicle management

* Developer Name ⓘ
vehicle_management

Description ⓘ
Enter a description...

App Branding

Image ⓘ
 Upload

Primary Color Hex Value ⓘ
 #0070D2

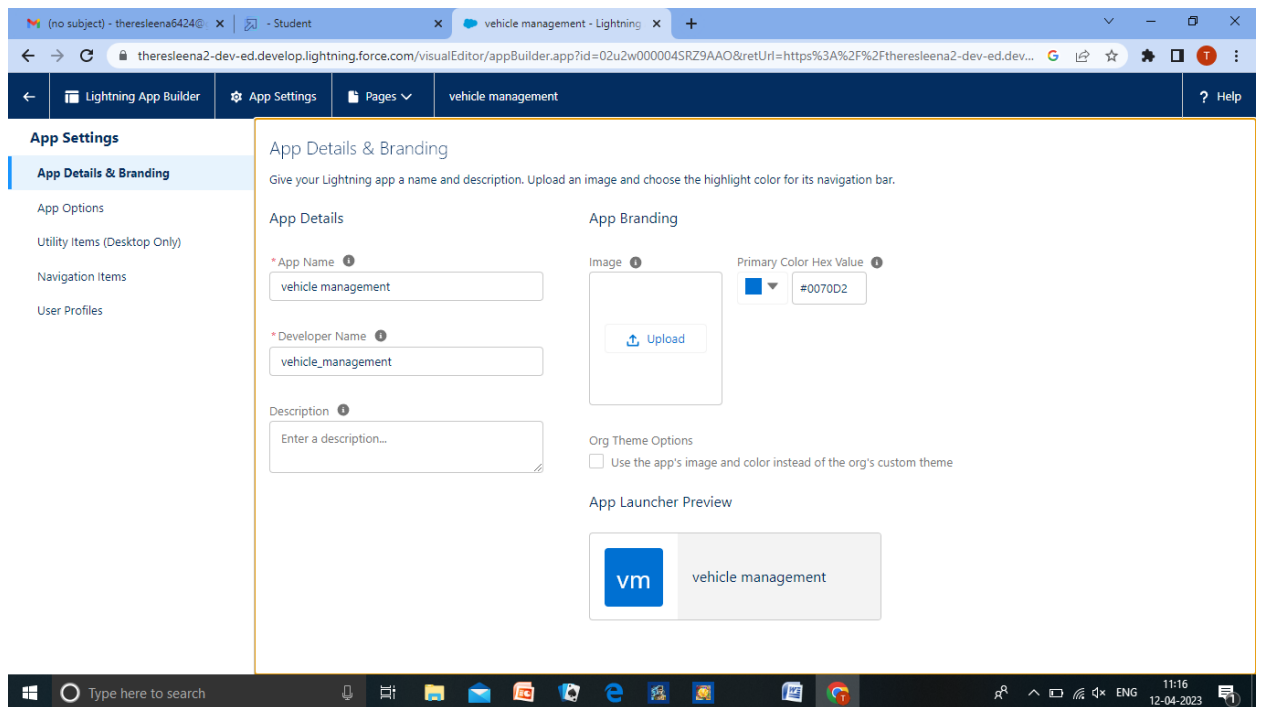
Org Theme Options

Next

4	Service Console	LightningService	(Lightning Experience) Lets support agents work with mul...	07/03/2023, 4:44 pm	Lightning	✓
5	Service	Service	Manage customer service with accounts, contacts, cases, ...	07/03/2023, 4:44 pm	Classic	✓

Type here to search

11:15
12-04-2023



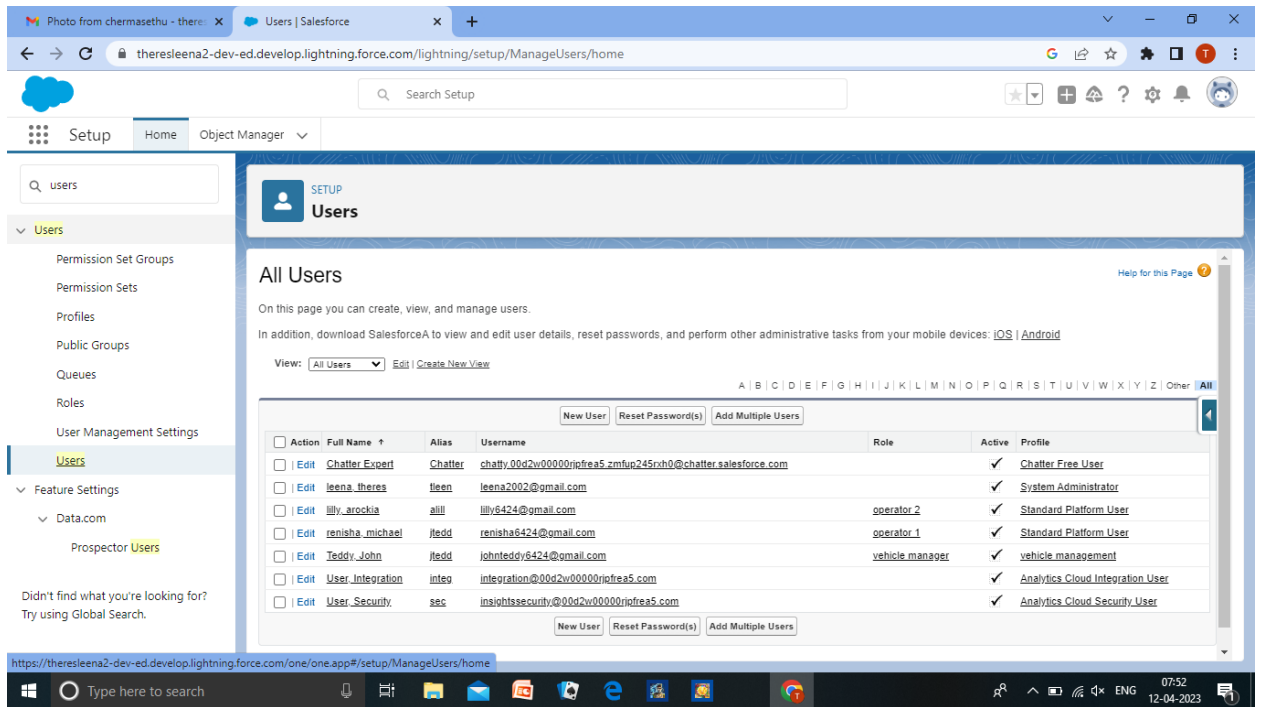
6. Profile was created by assigning object, field and user permissions.

7. Users were created and their roles were assigned to them.

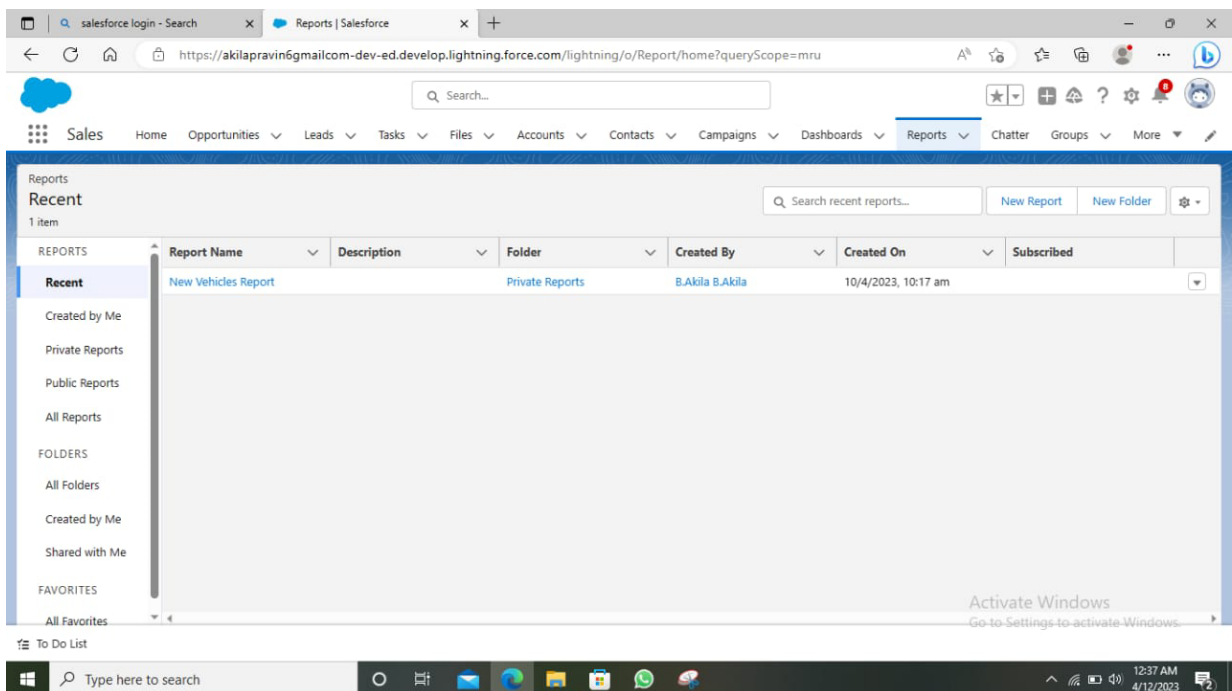
The screenshot displays the Salesforce Setup interface for the 'Roles' section. The browser address bar shows the URL: `theresleena2-dev-ed.develop.lightning.force.com/lightning/setup/Roles/home`. The left sidebar contains a navigation menu with 'Users' and 'Roles' highlighted. The main content area is titled 'Creating the Role Hierarchy' and includes a search bar for 'role'. Below the title, it states: 'You can build on the existing role hierarchy shown on this page. To insert a new role, click Add Role.' The 'Your Organization's Role Hierarchy' section shows a tree view with the following structure:

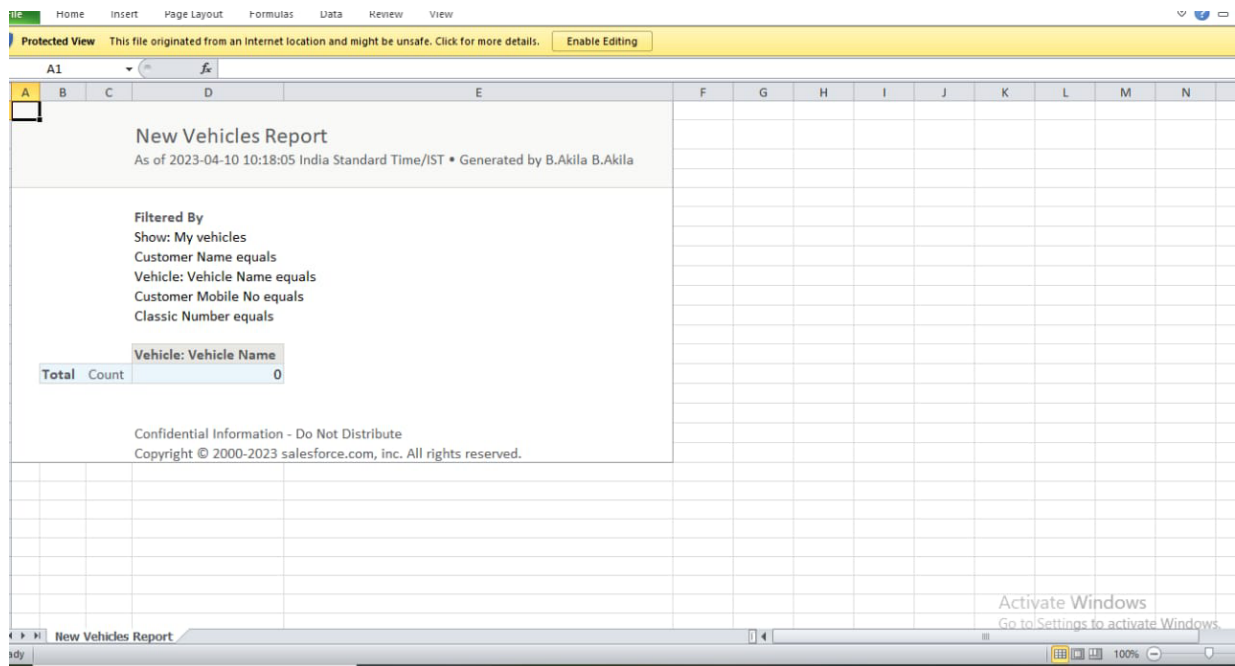
- THRESLEENA
 - vehicle manager
 - CEO
 - COO
 - operator 1
 - operator 2
 - SVP, Customer Service & Support
 - Customer Support, International
 - Customer Support, North America

Each role in the hierarchy has 'Add Role', 'Edit', 'Del', and 'Assign' options. The bottom of the screen shows the Windows taskbar with the search bar and various application icons. The system clock indicates 07:51 on 12-04-2023.



8. A custom report was created





4. Trailhead profile public URL

Team lead- <https://trailblazer.me/id/slakshmi292>

Team member 1- <https://trailblazer.me/id/tleena1>

Team member 2- <https://trailblazer.me/id/sabsana>

Team member 3- <https://trailblazer.me/id/bbakila>

5. ADVANTAGES & DISADVANTAGES

Advantage:

1. Good for long drives.
2. Personal vehicle meaning it's upto you where and when you want to go.
3. Good for Rainy days.
4. Good for daily commutes and for long rides.
5. Maintenance is cheaper when compared to a car.
6. Easier to find parking spot and requires almost no money for parking.

Disadvantage:

1. Takes too much space causing traffic jams.
2. Parking is costly and is quite difficult to find a good spot.
3. Regular Maintenance.
4. Fear of getting your car scratched or dented by another irresponsible person.

6. APPLICATION:

If you are specific about choosing an effective vehicle management application, then here are a few valid reasons why you need to choose our product:

- It focuses to eliminate ground level problems of the business process.
- It gives solutions for every challenges faced by end- user and top- level management.

- It provides comprehensive platform to unlimited vehicle and driver management.
- It delivers instant information on vehicle fitness and fuel tracking.
- Fastest and real- time tracking of Goods movements through web.
- It helps to get real time alerts and notification on email and SMS.
- It gives historical data and reports on single click.
- Optimized control on vehicle and driver allocation.
- It enables to get trip wise profitability management.

7. Conclusion:

Integrating database technologies in vehicle management systems is considered controversial by many. The general conception of database systems is that they are highly resource demanding both with respect to memory consumption and computational overhead. Furthermore, database systems are considered too non - deterministic to be used in vehicle management systems. This is true for many general purpose database management systems. However, commercially embedded solutions exist today, with database engines as small as a few kilobytes. Furthermore, many years of research in real- time database management systems shows that these systems can be made deterministic

8.FUTURE SCOPE

That' s the prediction of fleet software specialist Chevin Fleet Solutions as more organisations turn to " big data" to meet their transport and asset needs.

As more organisations work to harness so- called 'big data' and integrate it meaningfully into their operations, they may be able to pinpoint savings opportunities that extend well beyond a traditional fleet approach."

" For example, we have seen instances where, rather than just being handed the keys to a company car, employees are being offered a range of different travel options or some kind of overall mobility allowance.

