

1 INTRODUCTION

1.1 Overview

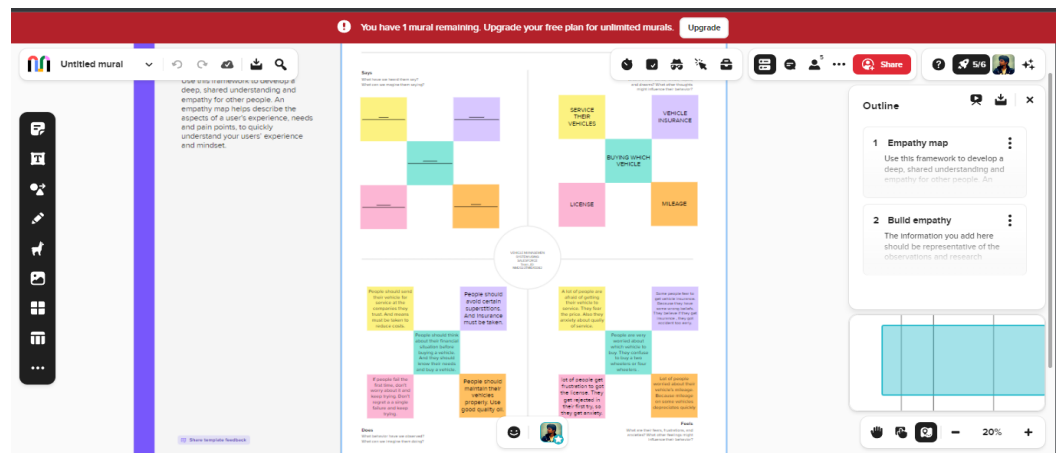
Vehicle Management is an application where a customer Details are stored in order to choose cars, bikes and commercial vehicles for travel within the city. The data which is stored here is further used to remind them if any offers are provided during the seasons and any updates regarding vehicles are sent to them in the form of messages and mails.

1.2 Purpose

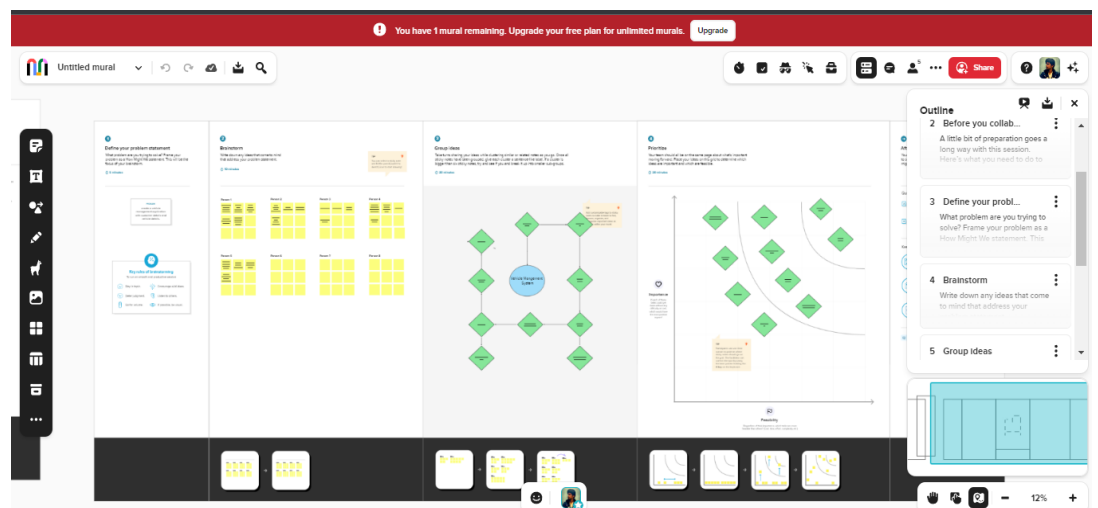
We use the Vehicle management app to store the customer details. A vehicle management system is a software system — or platform — that serves to manage commercial fleets of vehicles, such as cars, vans or trucks — or even heavy equipment — to ensure they're utilized safely, efficiently and professionally, while making sure they're well maintained and high-performing.

2 Problem Definition & Design Thinking

2.1 Empathy Map



2.2 Ideation & Brainstorming Map



3 RESULT

3.1 Data Model:

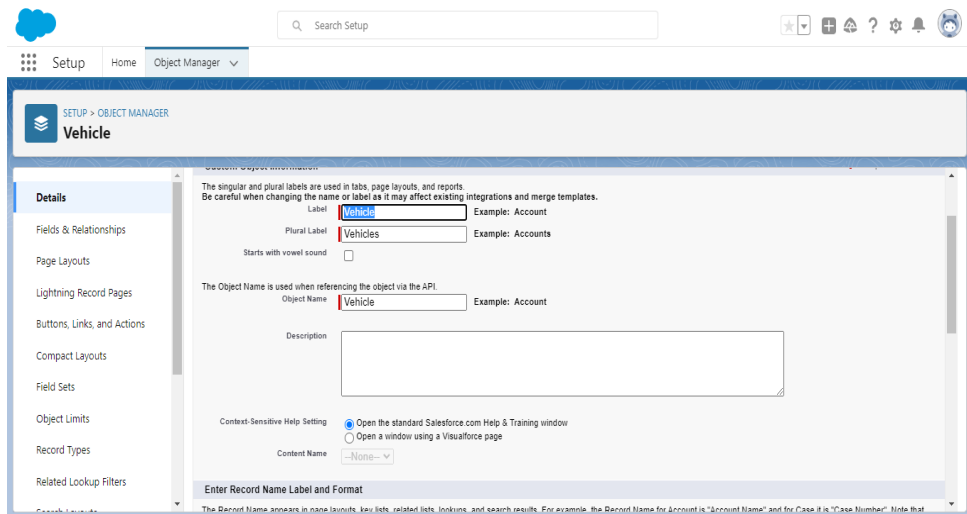
Object name	Fields in the Object																																				
Vehicles	<table> <tr> <th>Field label</th><th>Data type</th></tr> <tr> <td>Customer Name</td><td>text</td></tr> <tr> <td>Customer Mobile No</td><td>Number</td></tr> <tr> <td>Vehicle Type i)2 wheeler ii)4 wheeler</td><td>Picklist</td></tr> <tr> <td>2WHEELERS i)HERO ii)HONDA iii)BAJAJ iv)ROYAL ENFIELD v)TVS vi)KINETIC vii)OLA viii)JAWA ix)SD x)BATTERY</td><td>Picklist</td></tr> <tr> <td>4WHEELERS i)RENAULT ii)SKODA iii)HONDA iv)HYUNDAI v)SUZUKI vi)MAHINDRA vii)VOLKSWAGEN viii)BENZ ix)AUDI x)VOLVO</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 i)Fire Extenuation ii)First Aid Kit iii)Multi Charger iv)Stepeny v)Stereo vi)Tool Kit vii)Tracking Device viii)Tyre Jack</td><td>Multi Picklist</td></tr> <tr> <td>Condition i)Good ii)Medium iii)Least</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(opportunities)</td></tr> </table>	Field label	Data type	Customer Name	text	Customer Mobile No	Number	Vehicle Type i)2 wheeler ii)4 wheeler	Picklist	2WHEELERS i)HERO ii)HONDA iii)BAJAJ iv)ROYAL ENFIELD v)TVS vi)KINETIC vii)OLA viii)JAWA ix)SD x)BATTERY	Picklist	4WHEELERS i)RENAULT ii)SKODA iii)HONDA iv)HYUNDAI v)SUZUKI vi)MAHINDRA vii)VOLKSWAGEN viii)BENZ ix)AUDI x)VOLVO	Picklist	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 iv)Stepeny 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)
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Opportunity	Lookup(opportunities)																																				

Project Report Template

Drivers		
	Field label	Data type
	Driver Name	Text
	Licence No	Text
	Mobile No	Number
	Fair Per Hour	Text
	Vehicle	Lookup(Vehicle)

3.2 Activity & Screenshot

1. OBJECTS

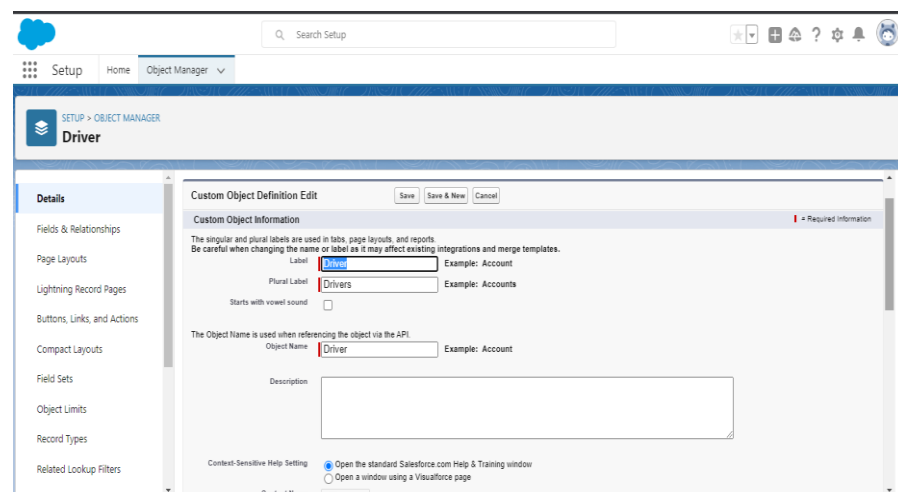


The screenshot shows the Salesforce Setup interface with the 'Object Manager' tab selected. The 'Vehicle' object is being configured. The 'Details' section on the left includes options for Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main configuration area includes the following fields:

- Label:** Vehicle (Example: Account)
- Plural Label:** Vehicles (Example: Accounts)
- Starts with vowel sound:** ☐
- Object Name:** Vehicle (Example: Account)
- Description:** (Empty text area)
- Context-Sensitive Help Setting:** ☒ Open the standard Salesforce.com Help & Training window
- Content Name:** (None)

At the bottom, there is a section for 'Enter Record Name Label and Format'.

First create a Vehicle Object with given details.



The screenshot shows the Salesforce Setup interface with the 'Object Manager' tab selected. The 'Driver' object is being configured. The 'Details' section on the left includes options for Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main configuration area includes the following fields:

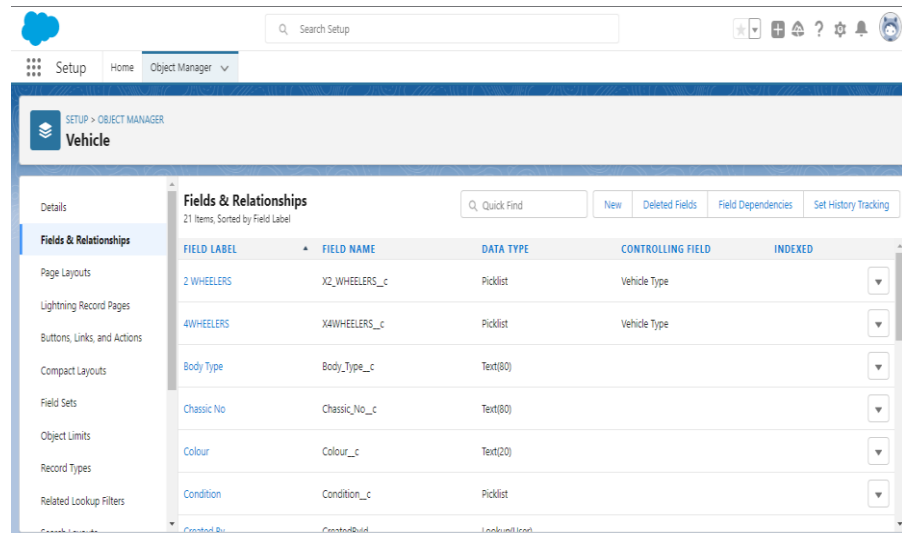
- Label:** Driver (Example: Account)
- Plural Label:** Drivers (Example: Accounts)
- Starts with vowel sound:** ☐
- Object Name:** Driver (Example: Account)
- Description:** (Empty text area)
- Context-Sensitive Help Setting:** ☒ Open the standard Salesforce.com Help & Training window
- Content Name:** (None)

At the top right of the configuration area, there are buttons for 'Save', 'Save & New', and 'Cancel'.

Next, similarly create Driver Object.

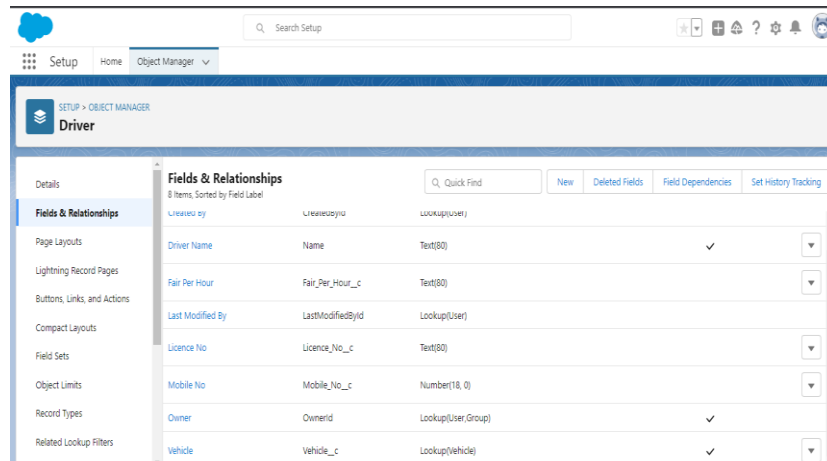
2.Fields and Relationship

Project Report Template



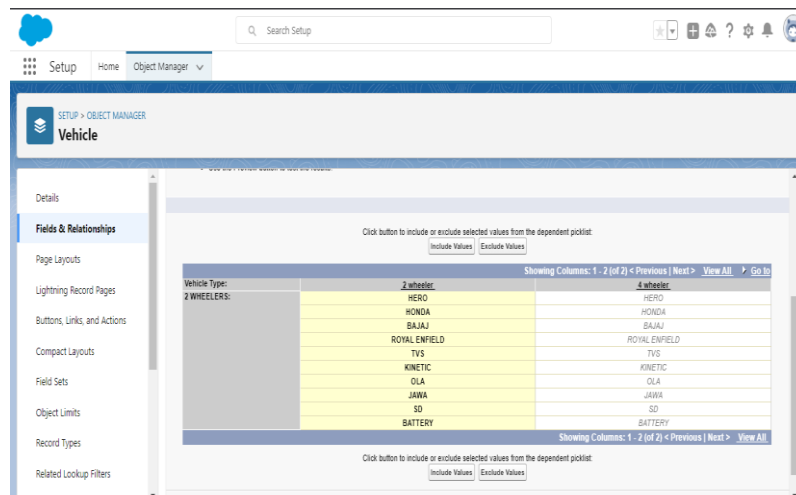
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
2 WHEELERS	X2_WHEELERS_c	Picklist	Vehicle Type	
4WHEELERS	X4WHEELERS_c	Picklist	Vehicle Type	
Body Type	Body_Type_c	Text(80)		
Chassis No	Chassis_No_c	Text(80)		
Colour	Colour_c	Text(20)		
Condition	Condition_c	Picklist		
Created By	CreatedBy	Lookup(User)		

Next, Create fields above given in the Vehicle Object.



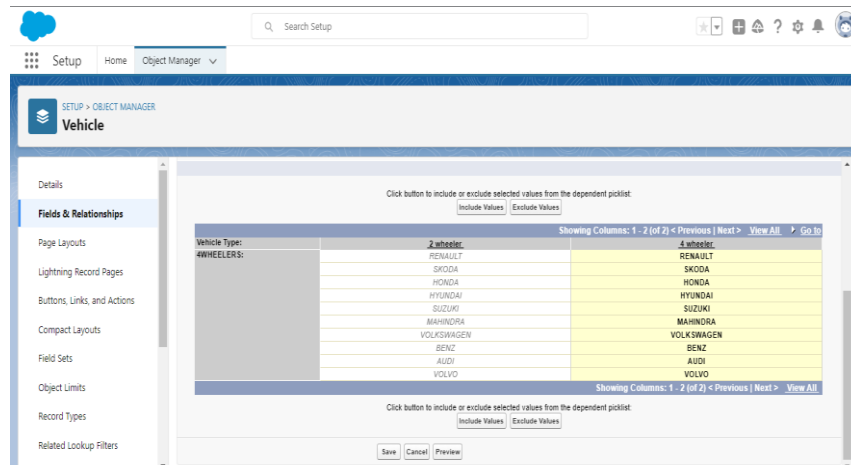
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Licence No	LicenceNo	Lookup(User)		
Driver Name	Name	Text(80)		
Fair Per Hour	Fair_Per_Hour_c	Text(80)		
Last Modified By	LastModifiedBy	Lookup(User)		
Licence No	Licence_No_c	Text(80)		
Mobile No	Mobile_No_c	Number(18, 0)		
Owner	Ownerid	Lookup(User Group)		
Vehicle	Vehicle_c	Lookup(Vehicle)		

Similarly, create a above given fields in Driver Object.



Vehicle Type:	2 Wheeler	4 Wheeler
2 WHEELERS:	HERO	HERO
	HONDA	HONDA
	BAJAJ	BAJAJ
	ROYAL ENFIELD	ROYAL ENFIELD
	TVS	TVS
	KINETIC	KINETIC
	OLA	OLA
	JAWA	JAWA
	SD	SD
	BATTERY	BATTERY

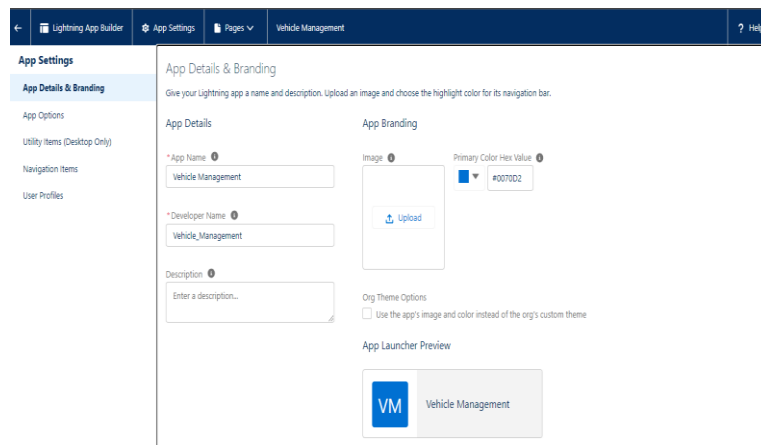
Next, Create Field dependency between 2 Wheeler and 2 Wheeler Brands.



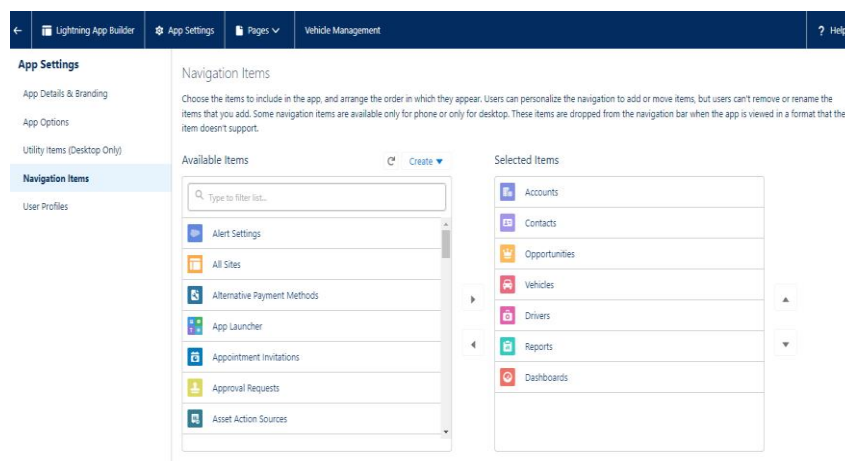
Similarly, create field dependency between 4 Wheelers and 4 wheeler Brands.

4. Lightning App

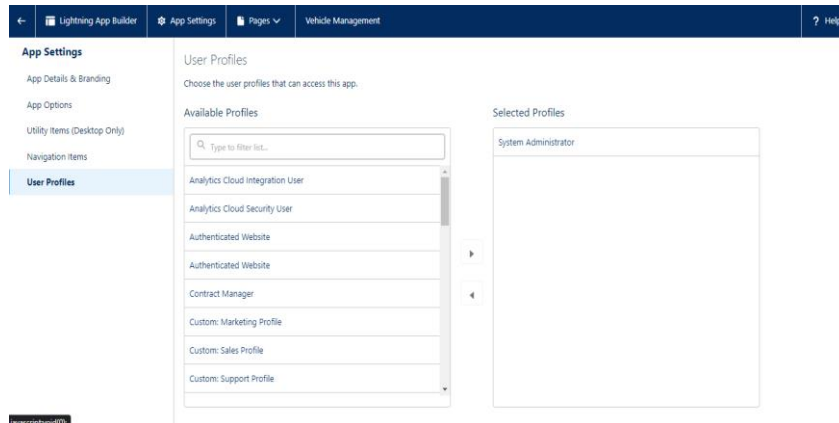
Go to App Manager and click New Lightning App



Next, Enter Vehicle Management as the App Name and enter the Given details.

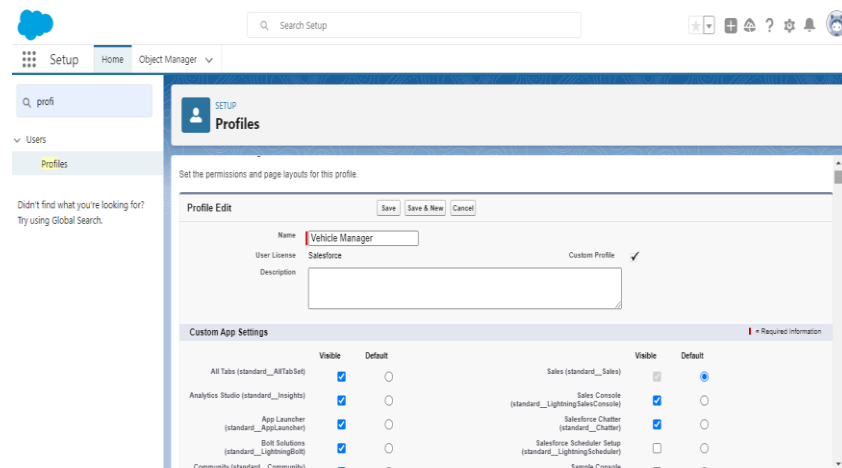


Next, Add navigations items from the available items.



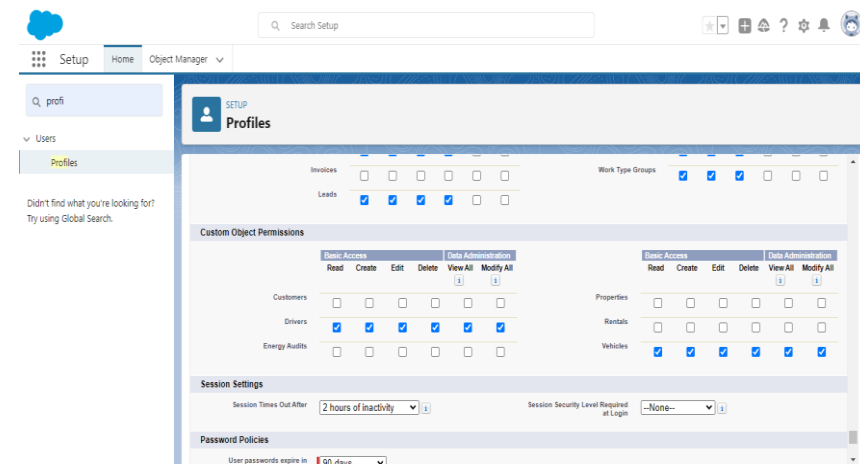
Next, Add System Administrator from the available profiles.

5. Profile



Go to profiles and click new.

Next, Create a Vehicle Manger Profile.

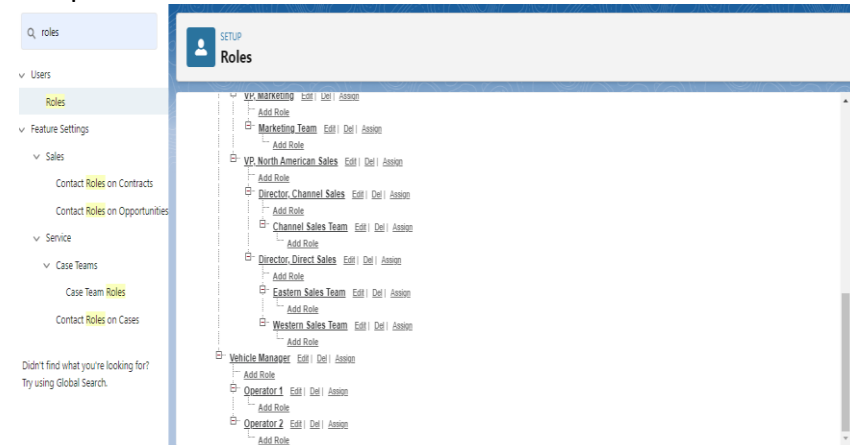


And give access to the given permissions. Similarly, Create two roles

Project Report Template

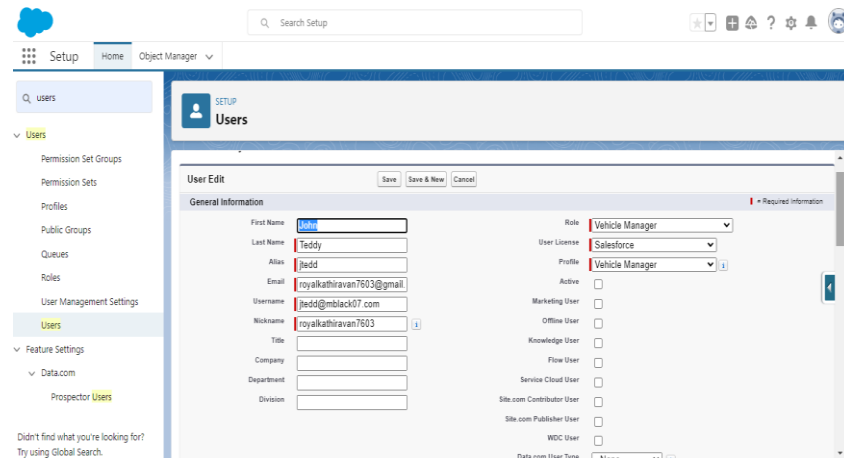
Operator 1 and Operator 2.

Setup Roles:



Go to Roles and Click Add role under the CEO , next fill up the label As Vehicle Manager. Similarly, create a roles to Operator 1 and Operator 2 to reports to Vehicle Manager.

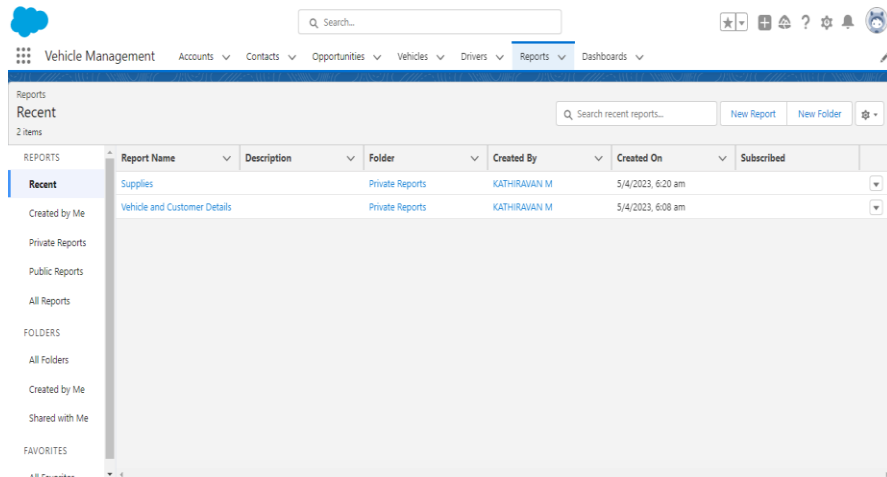
6. Users



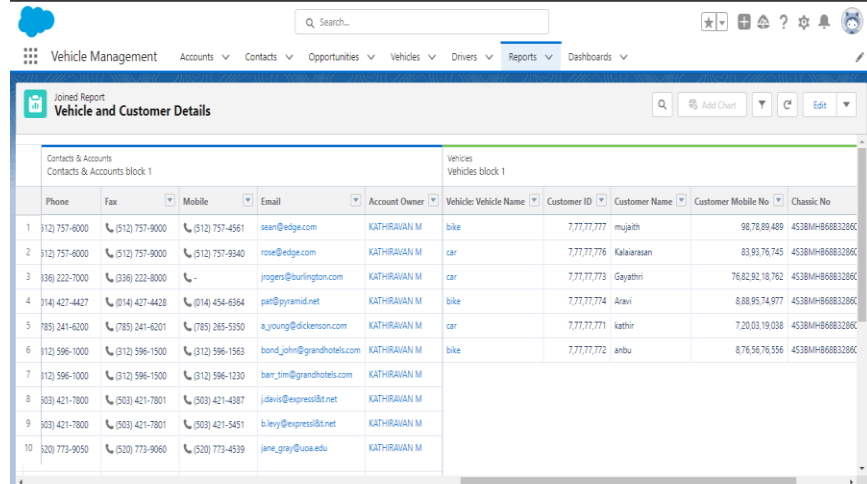
Go to users and click new. Next, enter the user's name John Teddy. And select a Role(Vehicle Manager) and select profile as vehicle Manager. Now click save it.

7. Reports

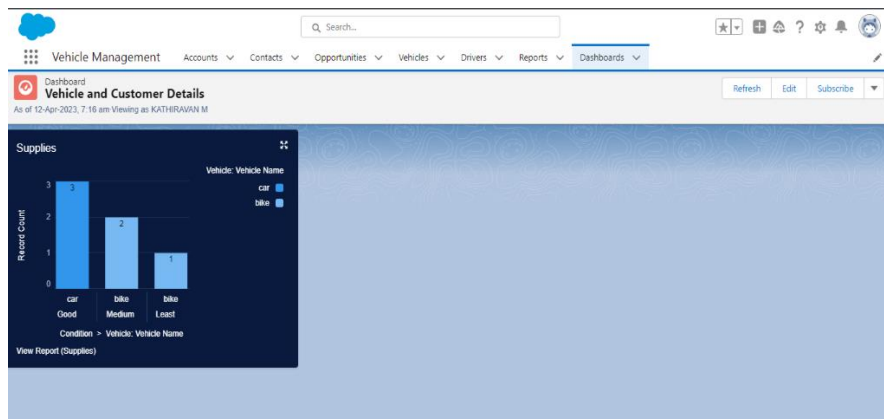
Project Report Template



Go to Reports and click new.

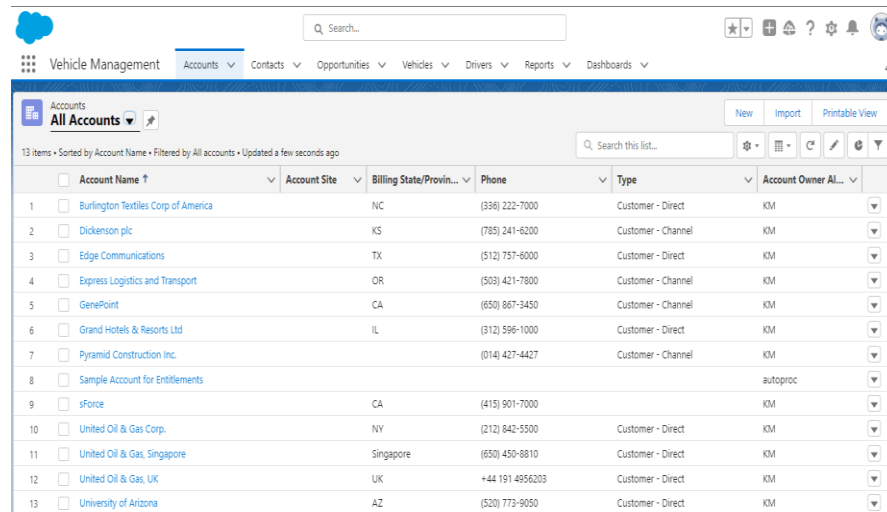


Next, select accounts, contacts and Vehicle report type. Next, Add columns and filters . Next, click save and run. Now name The Report as Vehicle and Customer Details.



Now, go to dashboards and click new. Next, name the dashboard as Vehicle and Customer Details. Now click new component. Next select Supplies report and select component type and click Add.

Project Report Template



The screenshot shows the 'Accounts' section of the Vehicle Management App. It features a search bar at the top, a navigation menu with options like 'Accounts', 'Contacts', 'Opportunities', 'Vehicles', 'Drivers', 'Reports', and 'Dashboards', and a table of 13 accounts. The table columns are: Account Name, Account Site, Billing State/Provin..., Phone, Type, and Account Owner. The accounts listed include Burlington Textiles Corp of America, Dickenson plc, Edge Communications, Express Logistics and Transport, GenePoint, Grand Hotels & Resorts Ltd, Pyramid Construction Inc., Sample Account for Entitlements, sForce, United Oil & Gas Corp., United Oil & Gas, Singapore, United Oil & Gas, UK, and University of Arizona.

	Account Name	Account Site	Billing State/Provin...	Phone	Type	Account Owner
1	Burlington Textiles Corp of America		NC	(336) 222-7000	Customer - Direct	KM
2	Dickenson plc		KS	(785) 241-6200	Customer - Channel	KM
3	Edge Communications		TX	(512) 757-6000	Customer - Direct	KM
4	Express Logistics and Transport		OR	(503) 421-7800	Customer - Channel	KM
5	GenePoint		CA	(650) 867-3450	Customer - Channel	KM
6	Grand Hotels & Resorts Ltd		IL	(312) 596-1000	Customer - Direct	KM
7	Pyramid Construction Inc.			(014) 427-4427	Customer - Channel	KM
8	Sample Account for Entitlements					autoproc
9	sForce		CA	(415) 901-7000		KM
10	United Oil & Gas Corp.		NY	(212) 842-5500	Customer - Direct	KM
11	United Oil & Gas, Singapore		Singapore	(650) 450-8810	Customer - Direct	KM
12	United Oil & Gas, UK		UK	+44 191 4956203	Customer - Direct	KM
13	University of Arizona		AZ	(520) 773-9050	Customer - Direct	KM

Finally, The Vehicle Management App is created.

4 Trailhead Profile Public URL

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

Team member 1- <https://trailblazer.me/id/aravi12up>

Team member 2- <https://trailblazer.me/id/anbup2>

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

Team member 4- <https://trailblazer.me/id/mmujaith>

5 ADVANTAGES & DISADVANTAGE

ADVANTAGES:

- Vehicle Management App is reduce the work load to the company.
- This App also used to store large amount data about the Vehicles.
- While use this App easy to get the details of the vehicle and customers.
- You can also reduce operating expenses by optimizing your drivers' routes, leading to reduced fuel use and overtime costs.
-

Project Report Template

- Fleet managers can change routes in real-time so that their drivers can avoid traffic, construction, and accidents, saving time, and reducing downtime.

DISADVANTAGES:

- The stored data is not sure to true.
- Sometimes the fake data are stored.
- Managing High Costs.
- Supply Chain Disruptions.
- Fuel Management.
- Route Optimization.
- Health and Safety Issues.
- Compliance Requirements.
- Maintenance Issues.

6 APPLICATIONS

- We use this app in Vehicle companies and Sales shops.
- Also use this app in Vehicle service centres.

7 CONCLUSION

This is used to reduce the work load to the employees. And get the details in easy way. Regular service will keep your car in better condition for longer. It extends the life of your engine by ensuring that all the elements are functioning optimally and reducing the strain on your car's engine. All these elements contribute to maintaining the value of your car for a long time.

8 FUTURE SCOPE

This system is used to discover the location of a vehicle, or an asset with the help of Global Positioning System and other navigation systems operating by satellite. Keeping a track of the exact location and status of the vehicle carrying valuable assets is vital for both personal and business purposes.