

1 INTRODUCTION

1.1 Overview

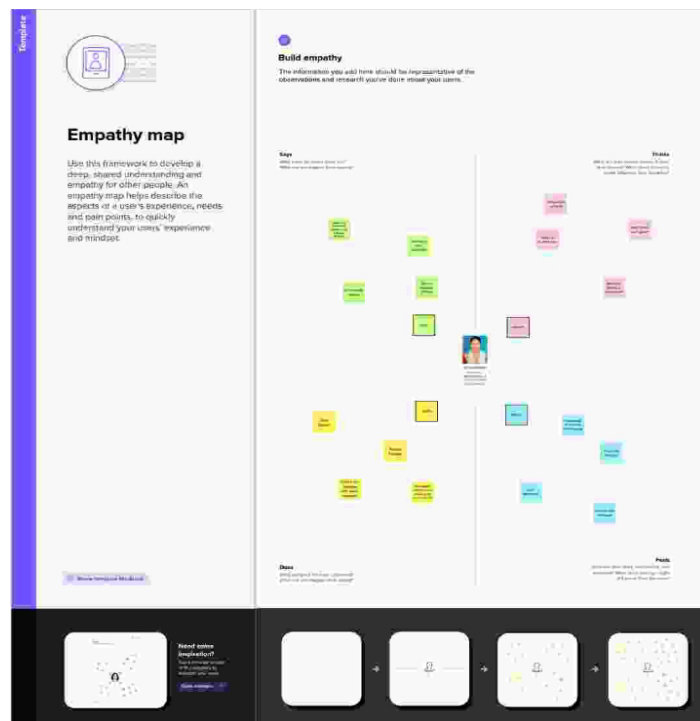
Vehicle Management is an application where a customer Details are stored inorder to choose cars,bikes and commercial vehicles for travel with in the city.The data which is stored here is further used to remind them if any offers are provided during the seasons and any updates regarding vehicles are sent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

1.2 Purpose

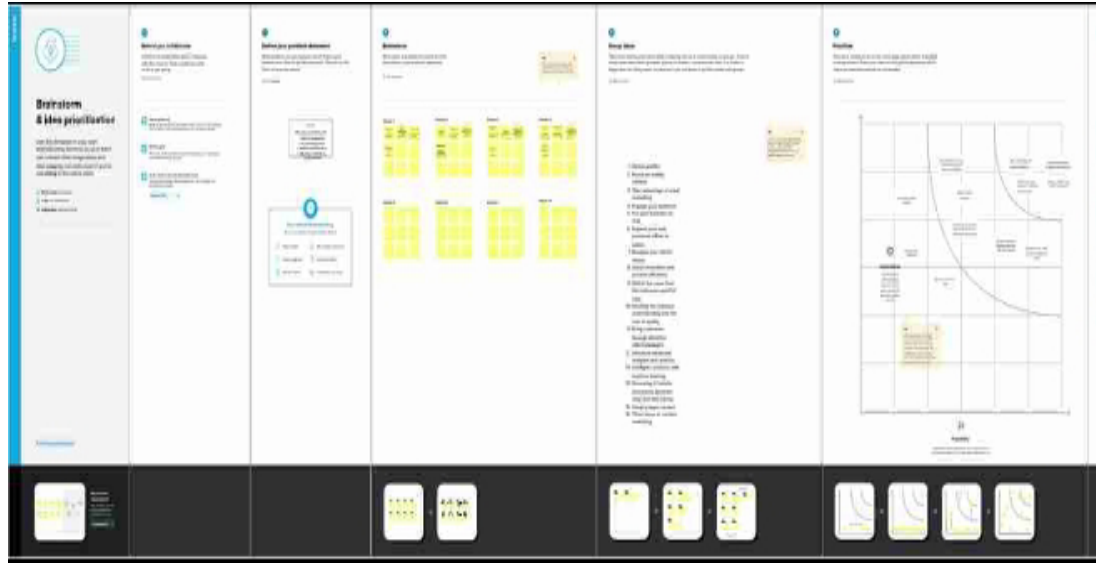
A vehicle management system is a software system – or platform – that serves to manage commercial fleets of vehicles, such as cars, vans or trucks – or even heavy equipment – to ensure they're utilized safely, efficiently and professionally, while making sure they're well maintained and high-performing. Vehicle management systems, or VMS, can help control safety risks, maximize productivity and contain costs through access control and real-time telematics. The purpose of this system is to implement the computerization of the vehicle details, vehicle

2 ProblemDefinition& DesignThinking

2.1 EmpathyMap



2.2 Ideation&BrainstormingMap

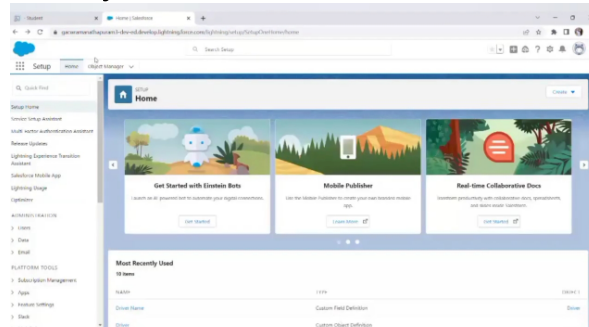


3 RESULT

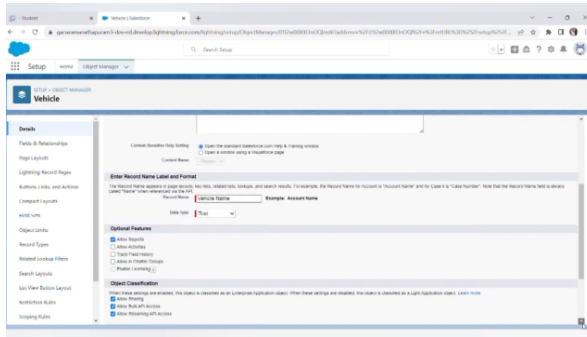
3.1 DataModel:

Objectname	FieldsintheObject	
Vehicle	Fieldlabel	Data type
	Customer name	Text
	Customer mobile no	Number
	Vehicle type	Picklist
	Vehicle name	Text
Driver	Fieldlabel	Data type
	Driver Name	Text
	License No	Text
	Mobile no	Number
	Fair per hour	Text

3.2 Activity& Screenshots



- 1.Go to salesforce.com and click on login.
- 2.Enter the username and password that you just created.
- 3.After login this is the home page which you will see.

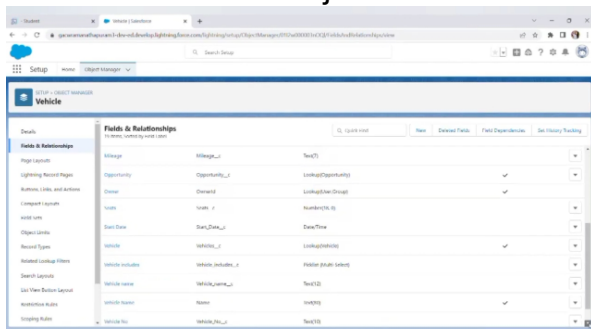


We created the objects by Click on the gear icon and then select Setup.

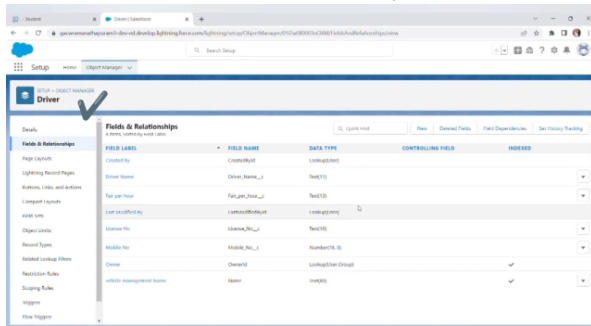
Click on the object manager tab just beside the home tab.After the above steps, have a look on the extreme right you will find a Create

Dropdown click on that and select Custom Object.

Creation of Vehicle Object



Then, we created the fields and relationships regarding the vehicle object Such as CUSTOMER NAME, CUSTOMER MOBILE NO VEHICLE TYPE and so on



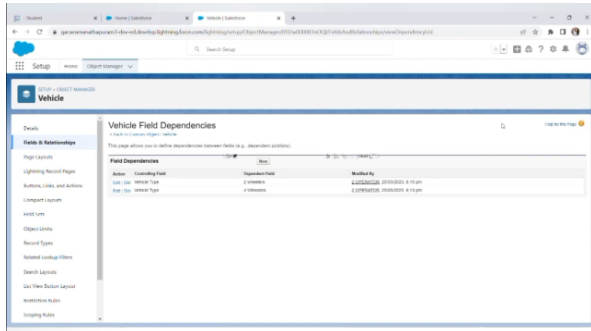
Creation of driver object and their fields and relationships as Driver Name- Text

2 Licence No -Text

3 Mobile No -Number

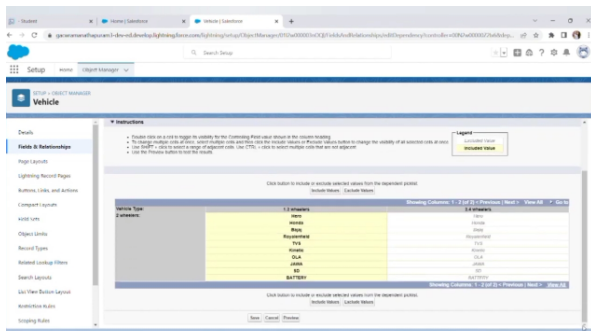
4 Fair Per Hour- Text

5 Vehicle Lookup- (Vehicle)



Creating vehicle field dependencies like 2 wheelers and 4 wheelers. Create a dependency between these two picklists, so that when a Vehicle type is selected,

only respective 2Wheeler Brands are available in the 2Wheeler field, Similarly for 4 wheelers.



2 wheeler dependenciesHERO

ii)HONDA

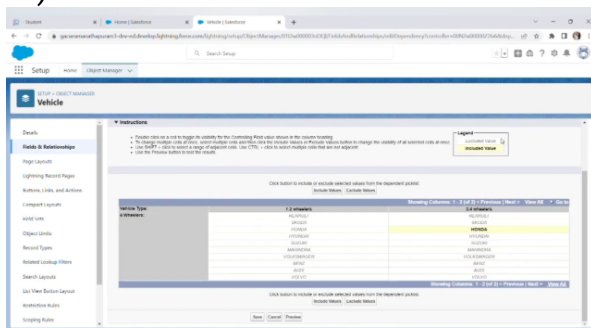
iii)BAJAJ

iv)ROYAL ENFIELD

v)TVS

vi)KINETIC

vii)OLA



4 wheeler dependenciesRENAULT

ii)SKODA

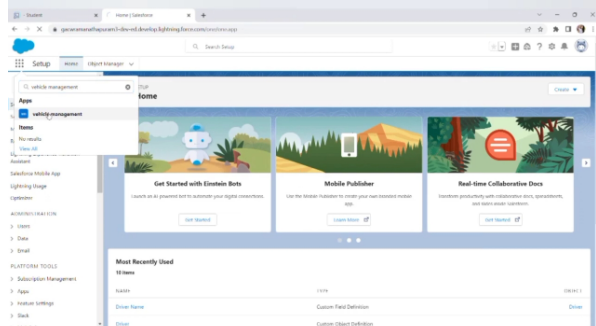
iii) HONDA

iv) HYUNDAI

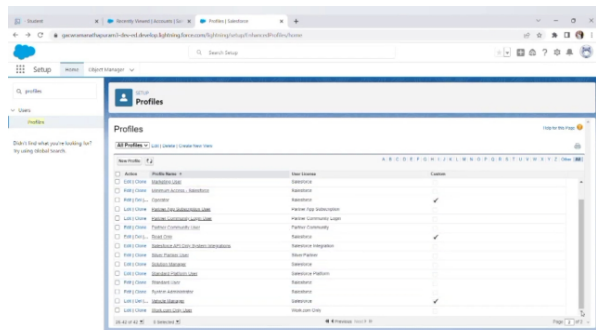
v) SUZUKI

vi) MAHINDRA

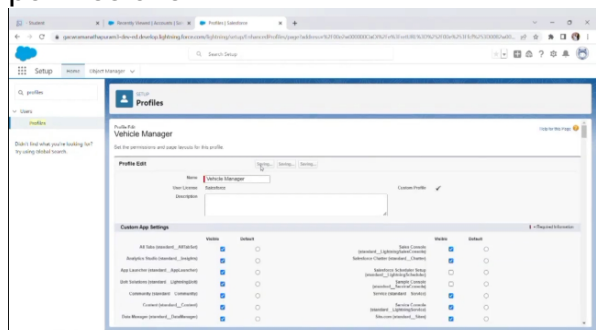
vii) VOLKSWAGEN



Creation of app VEHICLE MANAGEMENT Apps in Salesforce are a group of tabs that help the application function by working together as a unit. It has a name, a logo, and a particular set of tabs. The simplest app usually has just two tabs.

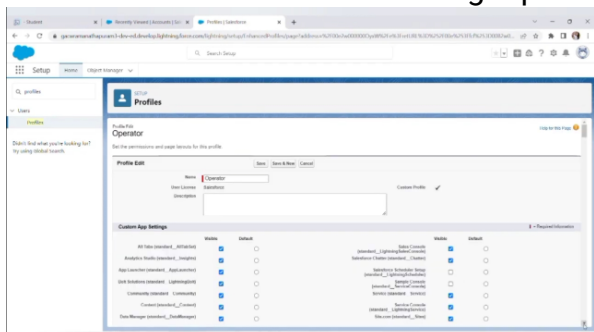


profile is a group/collection of settings and permissions that define what a user can do in Salesforce. A profile controls "Object permissions, Field permissions, User permissions, Tab settings, App settings, Apex class access, Visualforce page access, Page layouts, Record Types, Login hours & Login IP ranges
Creating a Profiles: Now create a Vehicle Manager profile and set its object permissions

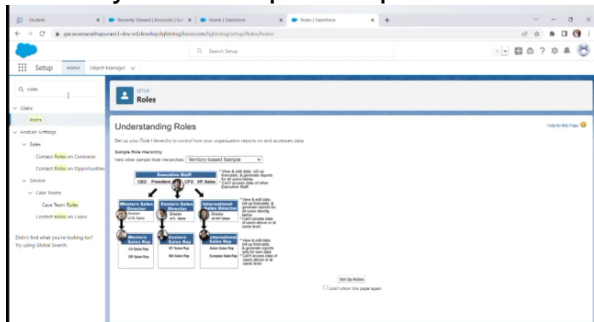


Vehicle manager profile From Setup enter Profiles in the Quick Find box, and select Profiles.

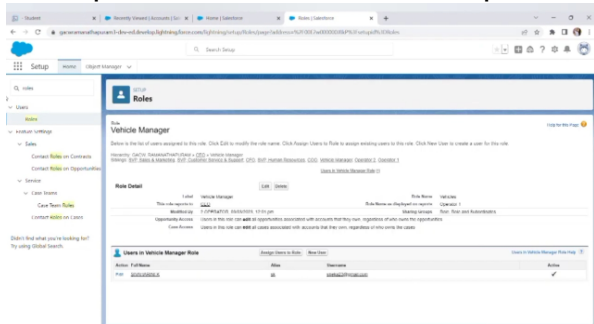
- From the list of profiles, find Standard User.
- Click Clone.
- For Profile Name, enter Vehicle Manager.
- Click Save.
- While still on the Vehicle Manager profile page, then click Edit.



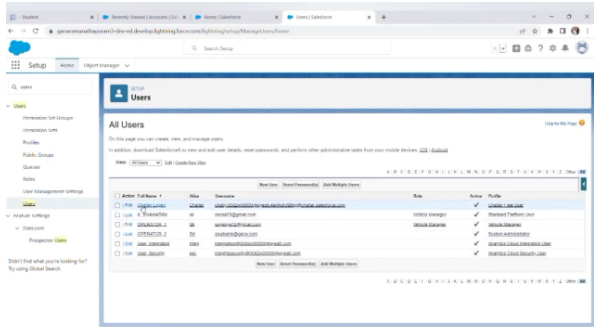
Similarly created operator profile



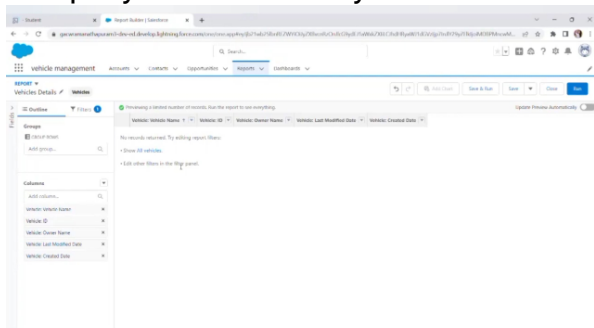
Creating roles. Similarly create Two Roles under Vehicle Manager as Operator 1 And Operator 2 Roles which will report to the Vehicle manager.



Vehicle manager role



A user is anyone who logs in to Salesforce. Users are employees at your company, such as sales reps, managers, and IT specialists, who need access to the company's records. Every user in Salesforce has a user account.



Go to Reports and click New Report.

- Select the Accounts, Contacts and Vehicle report type and click Start Report To begin filtering, click Filters.

- Click the Show Me standard filter and select My Contacts. Click Apply.

- Click on add columns add Vehicle:Vehicle name, Vehicle:Customer id, Vehicle:Customer name, Vehicle:Customer Number, Vehicle:Chassis Number.

- Click Save.

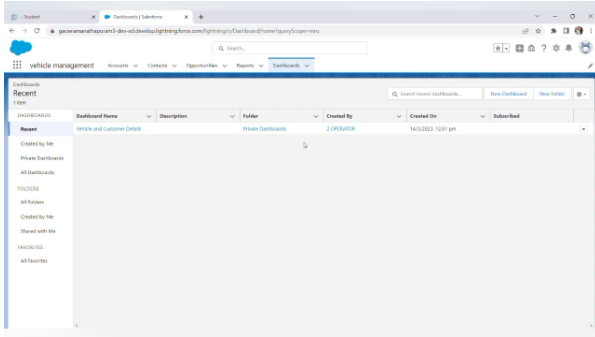
- Save your report as Vehicle and Customer Details and accept the auto-generated To begin filtering, click Filters.

- Click the Show Me standard filter and select My Contacts. Click Apply.

- Click on add columns add Vehicle:Vehicle name, Vehicle:Customer id, Vehicle:Customer name, Vehicle:Customer Number, Vehicle:Chassis Number.

- Click Save.

- Save my report as Vehicle and Customer Details and accept the auto-generated unique name.



A report is a list of records that meet the criteria you define. It's displayed in Salesforce in rows and columns, and can be filtered, grouped, or displayed in a graphical chart.

We created the reports as vehicle details and dashboard as Vehicle and Customer Details. Click the Dashboards tab.

2. Click New Dashboard.
3. Name the dashboard Vehicle and Customer Details and click Create.
4. Click +Component.
5. Select the Supplies report and click Select.
6. Select the Vertical Bar Chart component and click Add.
7. Click Save and then Done.

4 TrailheadProfilePublicURL

Team Lead -

<https://trailblazer.me/id/harinisiva23>

TeamMember1-<https://trailblazer.me/id/sneka23>

Team Member 2 -

[https://trailblazer.m](https://trailblazer.me/id/sowmiya28TeamMember3)

[e/id/sowmiya28Tea](https://trailblazer.me/id/sowmiya28TeamMember3)

mMember3-

<https://trailblazer.me/id/sugab3>

5 ADVANTAGES&DISADVANTAGE

ADVANTAGE: Depending on the type of fleet being managed, a vehicle management system can reap a few or more business benefits. Notwithstanding that it largely depends on the quality of management conducted by the fleet owner, fleet manager or fleet operator, even mere few of these benefits can make a real difference in the fleet's performance efficiency, with substantial impact on ROI.

DISADVANTAGE:Resistance From Staff, At least initially, your staff might resist adopting vehicle management software systems. Infrastructure Needs, You'll face issues using fleet management software systems if you don't have proper network infrastructure without a stable Internet connection.

6 CONCLUSION

We finally develop the vehicle management system as having

Objects(vehicle and driver)

Fields & relationships

Lighting app (vehicle management app)

Profiles & users

Roles

Reports & dashboards

7 APPLICATION

Vehicle Management System (VMS) is an application for the Automotive industry. It supports, in the area of Sales & Services, the business processes that you require as vehicle importer when dealing with your original equipment manufacturers (OEMs) and your dealers in new and used vehicle sales .

To assist in the tracking of vehicles operation and the planning of maintenance (i.e.: replacement of spare parts, etc.) that is important to avoid any damage/unexpected problem that might occur in the future that may cause hindrance to the operation and/or risking the safety of the drivers and passengers.

8 FUTURESCOPE

The futurescope looks promising that gives opportunities to vehicle management and tracking system and to design and modify and the manufacturing process of vehicles and to solve problems related to vehicle engineering.

Hence this project implements the computerization of the vehicle details, vehicle allotment, vehicle bookings and also vehicle stock management, it reduces labor cost, data misplacement etc. The project provides the following facilities to the customers. It reduces the time and cost of the customers

It provides platform for more than one company's commodity.

It provides updated information about the vehicles of all the companies. The project provides the following facilities to the administrators.

It reduces the labor costs.

It gives fluent administration overhead. The project provides the following facilities to the companies.

It provides competitive market for their product.

They get constant feedback from the customers.