









Government of Tamil Nadu

Naan Muthalvan - Project-Based Experiential Learning

VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

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Guest lecturer

UG DEPORTMENT OF PHYSICS

M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN

DINDIGUL - 624001 APRIL - 2023

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M.V.MUTHIAH GOVERNMENT ART SCOLLEGE FOR WOMEN

(Affiliated To Mother Teresa Women's University, Kodaikanal) Reaccredited with "A" Grade by NAAC DENDIGUL-624001.

APRIL-2023

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PG DEPARTMENT OF PHYSICS BONAFIDE CERTIFICATE

This is to certify that this is a bonafide record of the project entitled. "VEHICLE MANAGEMENT SYSTEM USING SALESFORCE". done by Ms S.Riswana Banu (20322ER023). Ms K.Sengamalam (20322ER025). Ms G.Mahalakshmi (20322ER012) Ms P.Karthika (20322ER009). This is submitted in partial fulfillment for the award of the degree of Bachelor of Science in Physics in M.UMUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN. DINDIGIL during the period of December 2022 to April 2023.

Project Mentor(s)

Beautiful for viva-voce Examination held on ______

VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

Project Based Experiential Learning Program

VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

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VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

Introduction:

A windows applications written for 32-bit windows operating systems which focused in the area of adding, editing and deleting the passengers, staff and the bus routes. In this software a person can be register as a user and he can manage the bus routes and the staff,passenger' details.

1.10verview:

The main objective of the project on vehicle management system is to manage the details of vehicle, driver, insurance, maintenance, fuel.

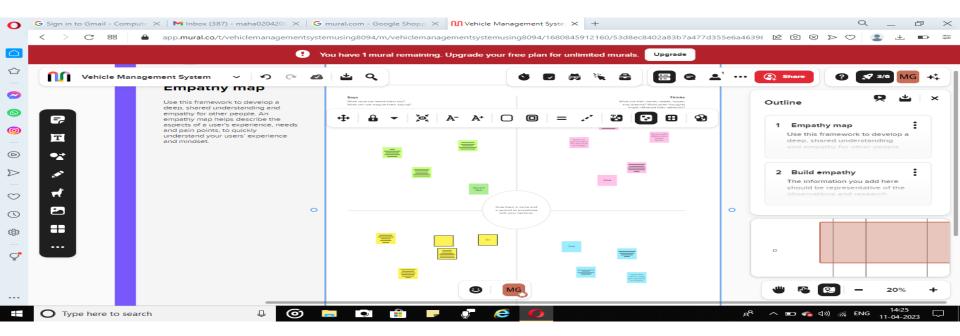
1.2Purpose:

Our project is only a humble venture to satisfy the needs t manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The object of software planning is to provide a frame work that the enables the manger to make reasonable estimates made a limited time frame at the beginning of the software project and should be updated regularly as the project programes

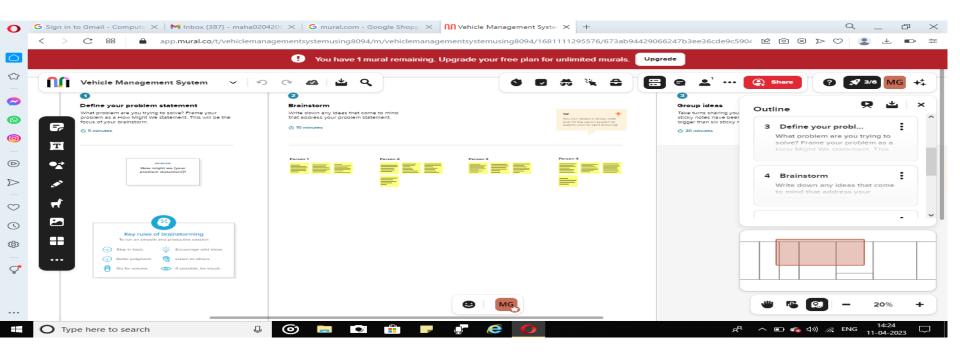


2.PROBLEM DEFINITION AND DESIGN THINKING

2.1.EMPATHY MAP



2.2 IDEATION AND BRAINSTORMING MAP



3.1 ACTIVITY AND SCREENSHOT

Milestone-1:

Activity: Creation Salesforce Org:

Creating Developer Account

Creating a developer org in salesforce

1.Go to developers.salesforce.com/

2.Click on sign up

3.On the sign up form, enter the following details

a.First name & Last name

a.Email

b.Role:Developer

c.Company:College Name

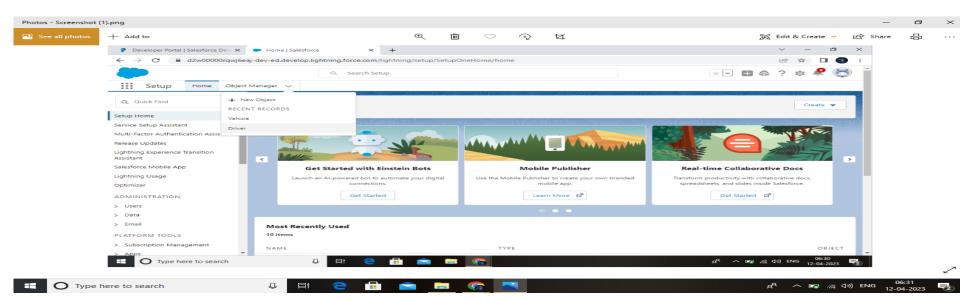
d.Country:India

e.Postal Code: pin code

f.User name: should be a combination of your name and company This need not be an actual email id, you can give anything in the formet: username@organization.com

Login To Your Salesforce Account

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



Milestone-2:Object

Activity 1:

To create an object:

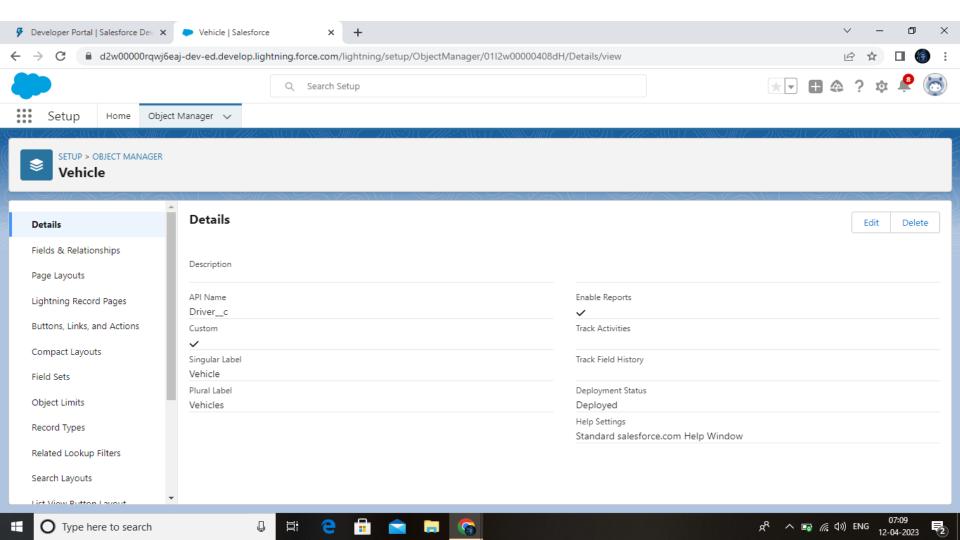
Creation of objects for vehicle management, for this vehicle management we need to create 2 objects i.e vehicles, driver.

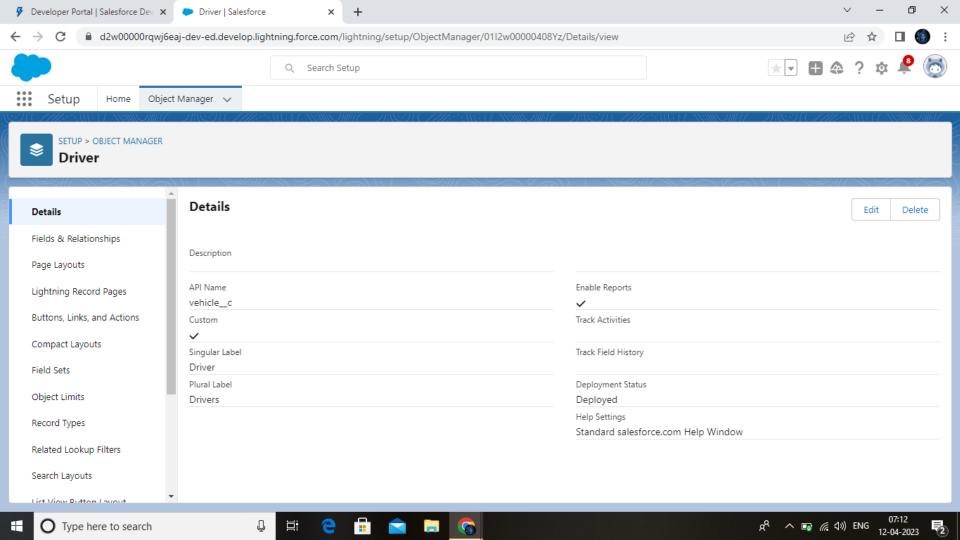
The below steps will assist you in creating those objects

- 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 creat dropdown click on that and select custom object
- Creation of vehicle object

On the custom object definition page, create the object us follows:

- Label :vehicle
- Plural label:vehicles
- Record name:vehicle name
- Check the allow reports check box
- Check the allow search check box
- Click save
- Now create a custom tab.Click the home tab,enter tabs in quick find and select tabs
- Under custom object tabs, click new.
- For object, select vehicle.
- For tabs style, select any icon
- Leave all defaults as is . click next.next.and save





Milestone-3: Fields and relationship Activity -1: Creation of fields:

Fields in vehicles objects follow below data: types

S.no	Field names	Data type
1.	Customer name	Text

1.	Customer name	Text
^	O	N Iala a

2	Customer mobile no	Number
3	Vehicle type 2 wheeler 4 wheeler	picklist
1	2WHEELERS HERO HONDA BAJAJ ROYAL ENFILED TVS	picklist

KINETIC OLA JAWA SD BATTERY	
4WHEELERS RENAULT SKODA HONDA HYUNDAI SUZUKI MAHINDRA VOLKSWAGEN BENZ AUDI VOLVO	picklist
Vehicle name	Text
Vehicle no	Text
Chassic no	Text

9	colour	Text	_
10	Body Type	Text	
11	Vehicle Includes Fire Extenuation First Aid Kit Multi Charger Kit Stepney Stereo Tool Kit Tracking Kit Tyre Jack	Multi Picklist	
12	Condition Good Medium Least	Picklist	
13	Mileage	Text	_
14	Seats	Number	
15	Start date	Date/Time	

16	End Date	Date/Time
17	Opportunity	lookup(opportunities)
Activity-2:		
_		cts follow below data types:
S.no	o Field	Data type
1	Driver Na	me Text

S.no	Field	Data type
1	Driver Name	Text
2	Licence No	Text
3	Mobile No	Number
4	Fair Per Hour	Text
5	Vehicle	Lookup(Vehicle)

Activity-3: Fields in Driver Object:

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.

The below steps will assist you in creating Field Dependencies.

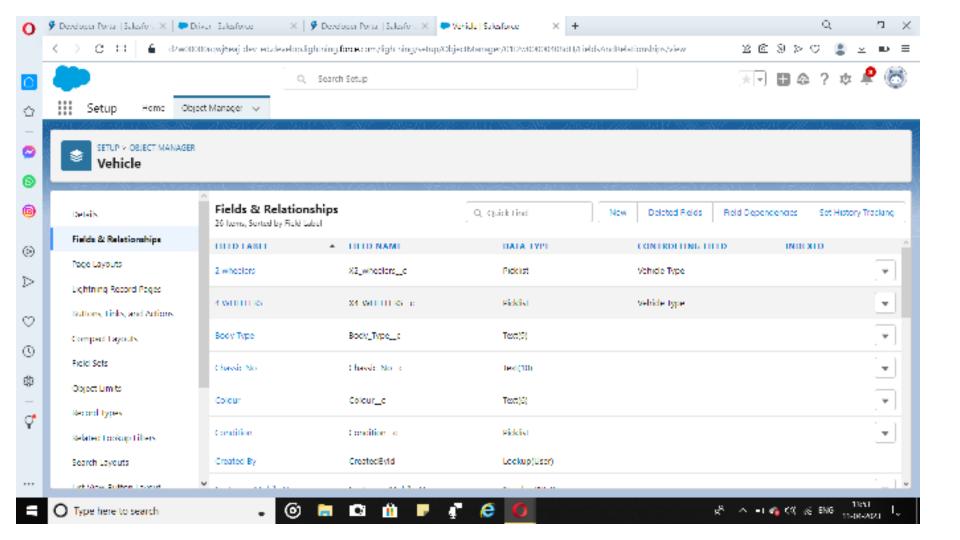
- Click on the gear icon and then select Setup.
- Click on the object manager tab just beside the home tab.
- After the above steps, Select Vehicles Object
- Now Select Fields and relationships from setup menu of the vehicle object.
- Click Field Dependencies.
- Click New.

- Select Vehicle Type as the Controlling Field and select 2wheelers as the Dependent Field.
- Click Continue.
- Select the appropriate 2 wheelers Brands in each column by double-clicking them.
- 2WHEELERS :i) HERO
- ii)HONDA
- iii)BAJAJ
- iv)ROYAL ENFIELD
- v)TVS
- vi)KINETIC
- vii)OLA

- viii)JAWA ix)SD x)BATTERY Click Include Values. Click Preview, then test the dependency by selecting different Vehicle Type and viewing the different Vehicles available for Vehicle Type. Click Close to close the preview window. Click Save. Follow same steps for 4wheelers also
- Vehicle Type as the Controlling Field and select 4wheelers as the Dependent Field.
- Click Continue. • Select the appropriate 4wheelers Brands in each column by double-clicking them.
- 4WHEELERS : i) RENAULT
- ii)SKODA
- iii) HONDA iv)HYUNDAI
- v)SUZUKI vi)MAHINDRA
- vii)VOLKSWAGEN
- viii)BENZ ix)AUDI
- x)VOLVO

- Click Include Values.
- Click Preview, then test the dependency by selecting different Vehicle Type and viewing the different Vehicles available for Vehicle Type.
- Click Close to close the preview window.
- Click Save.

Now click on "Fields & Relationships" >> New Fill the field label name >> Next >> Next >> Save.



Milestone-4:Lightning App

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.

Activity-1:

Create the Vehicle Management Construction app

- From Setup, enter App Manager in the Quick Find and select App Manager.
- Click New Lightning App. Enter Vehicle Management as the App Name, then click

Next

- Under App Options, leave the default selections and click Next.
- Under Utility Items, leave as is and click Next.

Next.
 From Available Profiles, select System Administrator and move it

Driver, Reports, and Dashboards and move them to Selected Items.

From Available Items, select Accounts, Contacts, Opportunities,

- to Selected
 Profiles. Click Save & Finish.
- To verify your changes, click the App Launcher, type Vehicle
 Management and select
- Note:

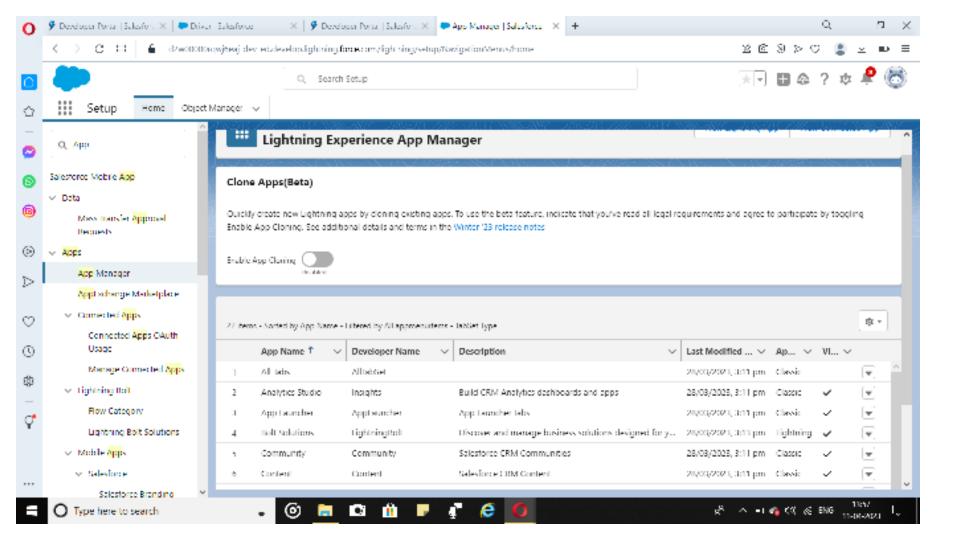
 1. Application Displays evallable appe

the Vehicle Management app.

Vehicle,

Click

- 1. App Launcher-Displays available apps.
- 2. App Name-Displays the current selected app.
- 3. Navigation menu-Displays the tabs available inside the app.



Milestone-5: Profile A 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 Activity 1: Creating a Profiles: Now create a Vehicle Manager profile and set its object permissions.

Creating a Profiles:

Now create a Vehicle Manager profile and set its object permissions.

- 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.

object.

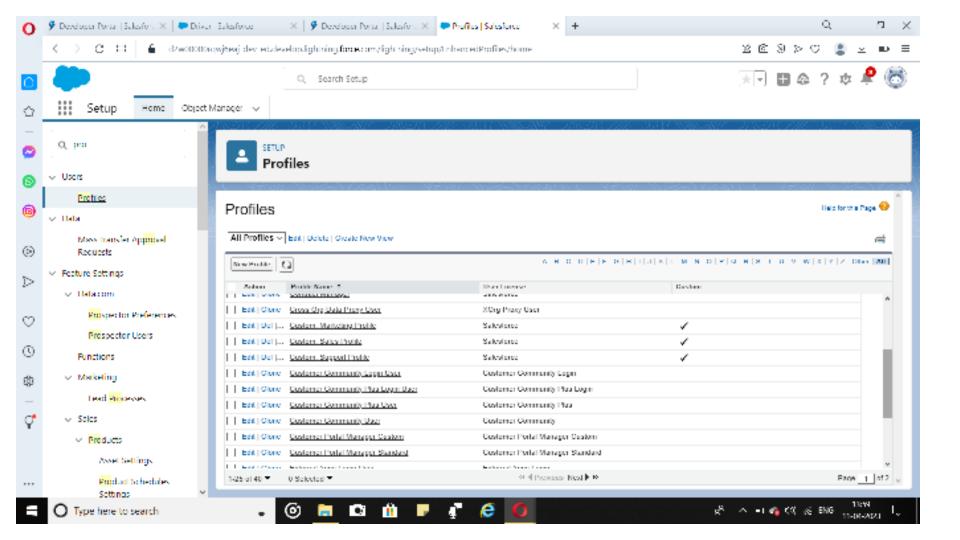
- While still on the Vehicle Manager profile page, then click Edit.
- Scroll down to Custom Object Permissions and give access for

Create, Read, Edit, Delete, View all and modify all for Vehicle object and Drivers

To create a new profile:

Go to setup \rightarrow type profiles in quick find box \rightarrow click on profiles \rightarrow clone the desired profile

(standard user is preferable) → enter profile name → save



Setup Roles:

- 1. Click on the Gear Icon
- 2. Click "Setup"
- 3. In the Quick Find box, enter "Roles"
- 4. Click "Roles"
- 5. Click on "Set Up Roles"
- 6. Click "Expand All"
- 7. Under the CEO, click on "Add Role"
- 8. Fill up the Label as Vehicle Manager, Role Name Vehicle Manager.
- 9. Enter a Role name that will be displayed on Reports
- 10. Click on Save.
- Similarly create Two Roles under Vehicle Manager as Operator
- 1 And Operator 2 Roles which will report to the Vehicle manager.

Milestone-6: Users
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.

Activity 1:

1. From Setup, in the Quick Find box, enter Users, and then select Users.

3. Enter the user's name John Teddy and (Your) email address and a unique

the form of an email address. By default, the username is the same as the

Creating a Users:

2. Click New User.

4. Select a Role(Vehicle Manager)

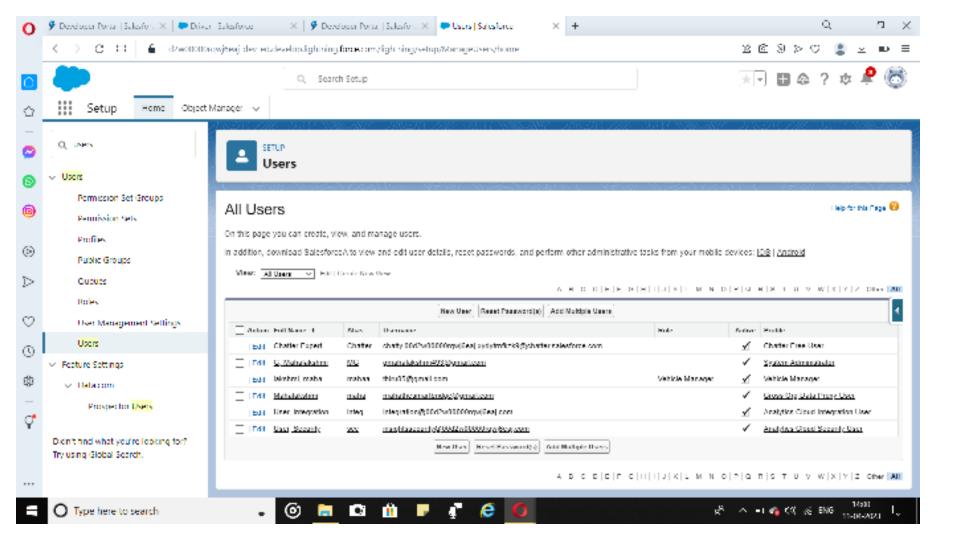
5. Select a User Licence As salesforce.

6. Select a profile as Vehicle Manager.

username in

email

address.



Milestone-7:Reports

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. Every report is stored in a folder. Folders can be public, hidden, or

shared, and can be set to read-only or read/write.

Activity 1: Reports And Dashboards.

- 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
- Details and accept the auto-generated unique name.

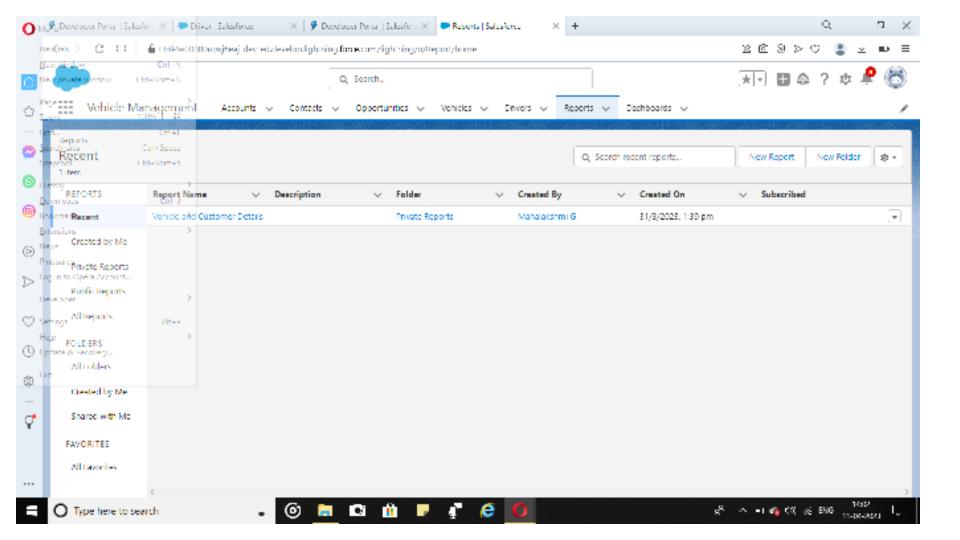
Activity 2:

Dashboard:

- 1. 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.

To create a report:

Go to the app → click on the reports tab



conclusion:

Our project is only the humble venture to satisfy the needs to manage their project work. Severalusers friendy coding have also adopted. This package shall prove to be powerful package in satisfying all the requirements of the vehicle management. The objective of software planning is to provide the frame work that enables the manager to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

THANK YOU