

PROJECT REPORT TEMPLATE

VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

1 INTRODUCTION

1.1 Overview

A Vehicle Management System is a software platform that is designed to help businesses and organizations manage their fleets of vehicles. The system typically includes a range of tools and features that enable managers to track vehicle usage, monitor driver behaviour and maintain the vehicles in good condition.

1.2 Purpose

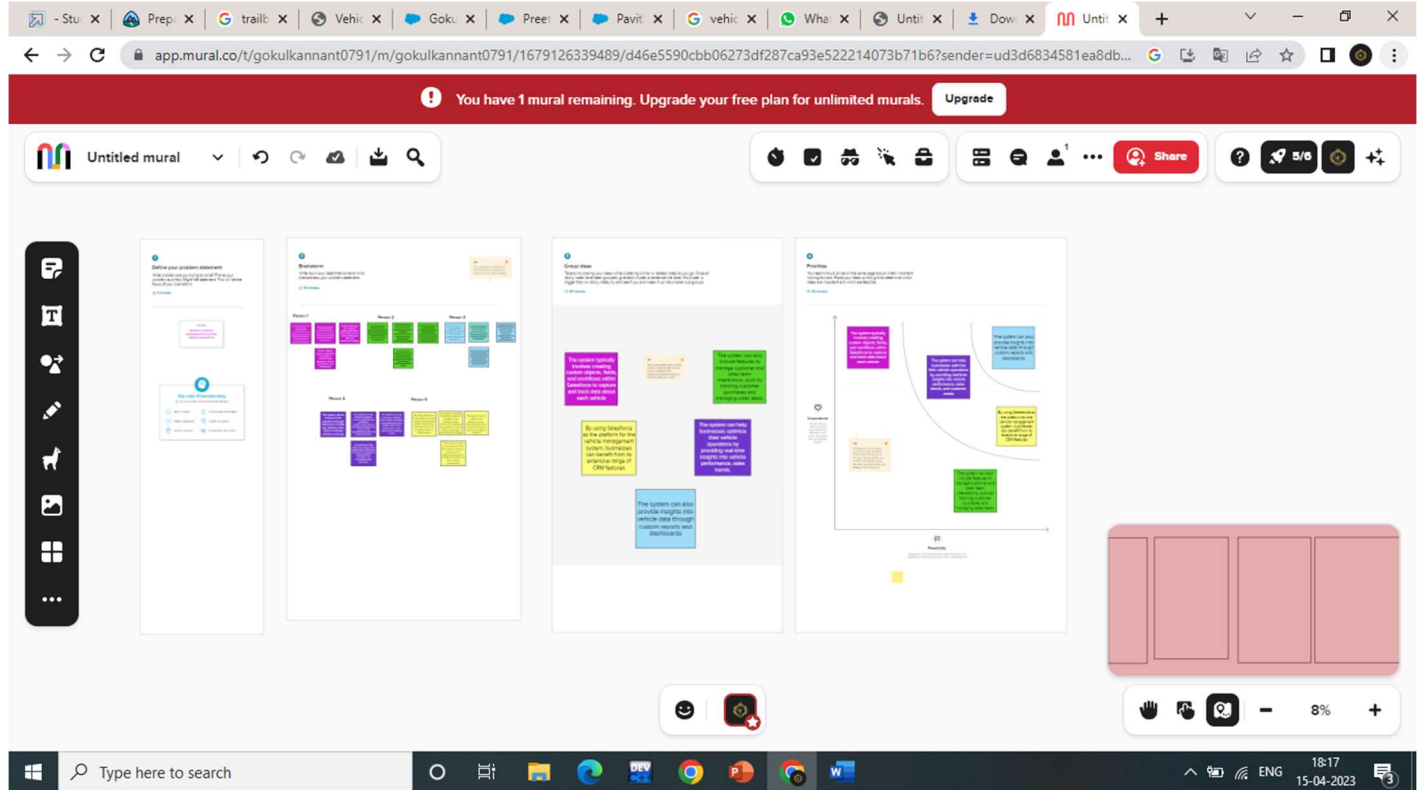
Depending on the type of vehicle management system

- ❖ This helps to ensure that vehicles are properly maintained and reduces the risk of breakdowns and accidents.
- ❖ Improve the behaviour and performance of drivers and beat unsafe driving
- ❖ Schedule shifts and work hours
- ❖ Help reduce fuel expenses by identifying opportunities for more efficient routes and driving habit
- ❖ A VMS can maintain a database of driver information, including driver licenses

2.1 Empathy Map



2.2 IDEATION & BRAINSTORMING MAP



3 RESULTS

3.1 DATA MODEL:

OBJECT NAME	FIELDS IN THE OBJECT		
OBJECT 1			
	S.NO	FIELD LABEL	DATA TYPE
	1	customer name	Text
	2	Customer mobile no	Number
	3	Vehicle type i)2wheeler ii)4wheeler	Picklist

	4	2wheeler i) HERO ii) HONDA iii) BAJAJ iv) ROYAL ENFIELD v) TVS vi) KINECTIC vii) OLA viii) JAWA ix) SD x) BATTERY	Picklist
	5	4wheeler i) RENAULT ii) SKODA iii) HONDA iv) HYUNDA v) SUZUKI vi) MAHINDRA vii) VOLKSWAGEN viii) BENZ ix) AUDI x) VOLVO	Picklist
	6	Vehicle name	Text
	7	Vehicle no	Text
	8	Chassis no	Text
	9	Colour	Text
	10	Body Type	Text
	11	Vehicle Includes i) FIRE EXTENUATION ii) FIRST AID KIT iii) MULTI CHARGER KIT iv) STEPNEY v) STEREO vi) TOOL KIT vii) TRACKING DEVICE viii) TYRE JACK	Multi Picklist
	12	Condition i) Good ii) Medium iii) Least	Picklist
	13	Mileage	Text
	14	Seats	Number
	15	Start Date	Date/Time
	16	End Date	Date/Time
	17	Opportunity	Lookup(opportunities)

.

OBJECT 2	<table><tr><th>S.NO</th><th>FIELD NAME</th><th>DATA TYPE</th></tr><tr><td>1</td><td>Driver name</td><td>Text</td></tr><tr><td>2</td><td>License no</td><td>Text</td></tr><tr><td>3</td><td>Mobile no</td><td>Number</td></tr><tr><td>4</td><td>Fair per hour</td><td>Text</td></tr><tr><td>5</td><td>Vehicle</td><td>Lookup(Vehicle)</td></tr></table>	S.NO	FIELD NAME	DATA TYPE	1	Driver name	Text	2	License no	Text	3	Mobile no	Number	4	Fair per hour	Text	5	Vehicle	Lookup(Vehicle)
S.NO	FIELD NAME	DATA TYPE																	
1	Driver name	Text																	
2	License no	Text																	
3	Mobile no	Number																	
4	Fair per hour	Text																	
5	Vehicle	Lookup(Vehicle)																	

3.2 ACTIVITY & SCREENSHOT

vehical | Salesforce

governmentartscollegesal87-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003kFR0/Details/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
vehical

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
List View Button Layout

Details

Description

API Name
vehical__c

Custom

✓

Singular Label
vehical

Plural Label
vehicals

Enable Reports
✓

Track Activities

Track Field History

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window

Edit Delete

vehical | Salesforce

governmentartscollegesal87-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003kFR0/FieldsAndRelationships/view

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SETUP > OBJECT MANAGER
vehical

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List View Button Layout

22 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Body Type	Body_Type__c	Text(33)		
2WHEELERS	X2WHEELERS__c	Picklist	Vehicle type	
4WHEELERS	X4WHEELERS__c	Picklist	Vehicle type	
Chassic No	Chassic_No__c	Text(30)		
Colour	Colour__c	Text(30)		
Condition	Condition__c	Picklist		
Created By	CreatedById	Lookup(User)		

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governmentartscollegesal87-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003kFR0/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
vehical

Details

Fields & Relationships
22 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

Customer ID	Customer_ID__c	Text(30)	
Customer Mobile No	Customer_Mobile_No__c	Number(17, 0)	
customer name	customer_name__c	Text(30)	
End Date	End_Date__c	Date/Time	
Last Modified By	LastModifiedById	Lookup(User)	
Mileage	Mileage__c	Text(30) (External ID)	✓
Opportunity	Opportunity__c	Lookup(Opportunity)	✓
Owner	OwnerId	Lookup(User,Group)	✓

Type here to search

12:42 14-04-2023

vehical | Salesforce

governmentartscollegesal87-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003kFR0/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
vehical

Details

Fields & Relationships
22 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

Owner	OwnerId	Lookup(User,Group)	✓
Seats	Seats__c	Number(17, 0)	
Start Date	Start_Date__c	Date/Time	
vehical Name	Name	Text(80)	✓
Vehicle Includes	Vehicle_includes__c	Picklist (Multi-Select)	
Vehicle Name	Vehicle_Name__c	Text(23)	
Vehicle No	Vehicle_No__c	Text(35)	
Vehicle type	Vehicle_type__c	Picklist	

Type here to search

12:42 14-04-2023

2 new notifications

Driver | Salesforce

governmentartscollegesal87-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003kFRA/Details/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Driver

Details

Fields & Relationships
Page Layouts
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Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
List View Button Layout

Details

Description

API Name
Driver__c

Custom
✓

Singular Label
Driver

Plural Label
drivers

Enable Reports
✓

Track Activities

Track Field History

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window

Edit Delete

Type here to search

12:43
14-04-2023

Login | Salesforce

Driver | Salesforce

governmentartscollegesalem-2-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003c9Es/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Driver

Details

Fields & Relationships

9 Items, Sorted by Field Label

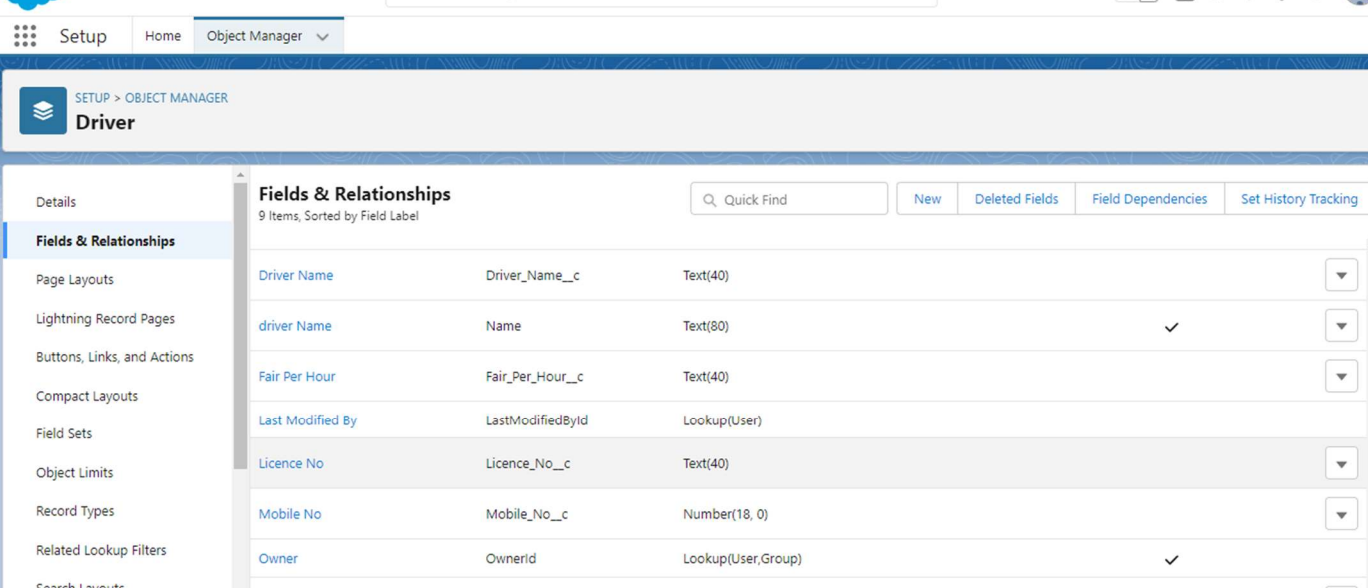
Quick Find

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(40)		
driver Name	Name	Text(80)		✓
Fair Per Hour	Fair_Per_Hour__c	Text(40)		
Last Modified By	LastModifiedById	Lookup(User)		
Licence No	Licence_No__c	Text(40)		
Mobile No	Mobile_No__c	Number(18, 0)		
Owner	OwnerId	Lookup(User,Group)		✓

Type here to search

12:48
14-04-2023



Setup > OBJECT MANAGER

Driver

Details

Fields & Relationships

9 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

Field Name	Field Label	Field Type	Field Status
Driver Name	Driver_Name__c	Text(40)	
driver Name	Name	Text(80)	✓
Fair Per Hour	Fair_Per_Hour__c	Text(40)	
Last Modified By	LastModifiedById	Lookup(User)	
Licence No	Licence_No__c	Text(40)	
Mobile No	Mobile_No__c	Number(18, 0)	
Owner	OwnerId	Lookup(User,Group)	✓
vehical	vehical__c	Lookup(Vehicle)	✓

Type here to search

ENG 12:48 14-04-2023

Browser tabs: Login | Salesforce, Vehicle | Salesforce

Address bar: governmentartscollegesalem-2-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003c62l/FieldsAndRelationships/viewDependenc...

Search Setup

Setup Home Object Manager

Vehicle

Vehicle Field Dependencies

« Back to Custom Object: Vehicle

This page allows you to define dependencies between fields (e.g., dependent picklists).

Field Dependencies

Action	Controlling Field	Dependent Field	Modified By
Edit Del	Vehicle Type	2 WHEELERS	GOKUL KANNAN, 01/04/2023, 2:37 pm
Edit Del	Vehicle Type	4 WHEELERS	GOKUL KANNAN, 01/04/2023, 2:38 pm

Windows taskbar: Type here to search, 12:49, 14-04-2023

An object relationship in Salesforce is a two-way association between two objects. Relationships are created by creating custom relationship fields on an object. This is done so that when users view records, they can also see and access related data

Setup | Profiles

Profile Edit: Vehical Manager

Set the permissions and page layouts for this profile.

Profile Edit

Name: Vehical Manager

User License: Salesforce

Description:

Custom Profile: ☒

Custom App Settings

	Visible	Default		Visible	Default
All Tabs (standard__AllTabSet)	<input checked="" type="checkbox"/>	<input type="radio"/>	Sales (standard__Sales)	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>
Analytics Studio (standard__Insights)	<input checked="" type="checkbox"/>	<input type="radio"/>	Sales Console (standard__LightningSalesConsole)	<input checked="" type="checkbox"/>	<input type="radio"/>
App Launcher (standard__AppLauncher)	<input checked="" type="checkbox"/>	<input type="radio"/>	Salesforce Chatter (standard__Chatter)	<input checked="" type="checkbox"/>	<input type="radio"/>
Bolt Solutions (standard__LightningBolt)	<input checked="" type="checkbox"/>	<input type="radio"/>	Salesforce Scheduler Setup (standard__LightningScheduler)	<input type="checkbox"/>	<input type="radio"/>

Setup | Roles

Role Edit: Vehical Management

Role Edit

Label: Vehical Management

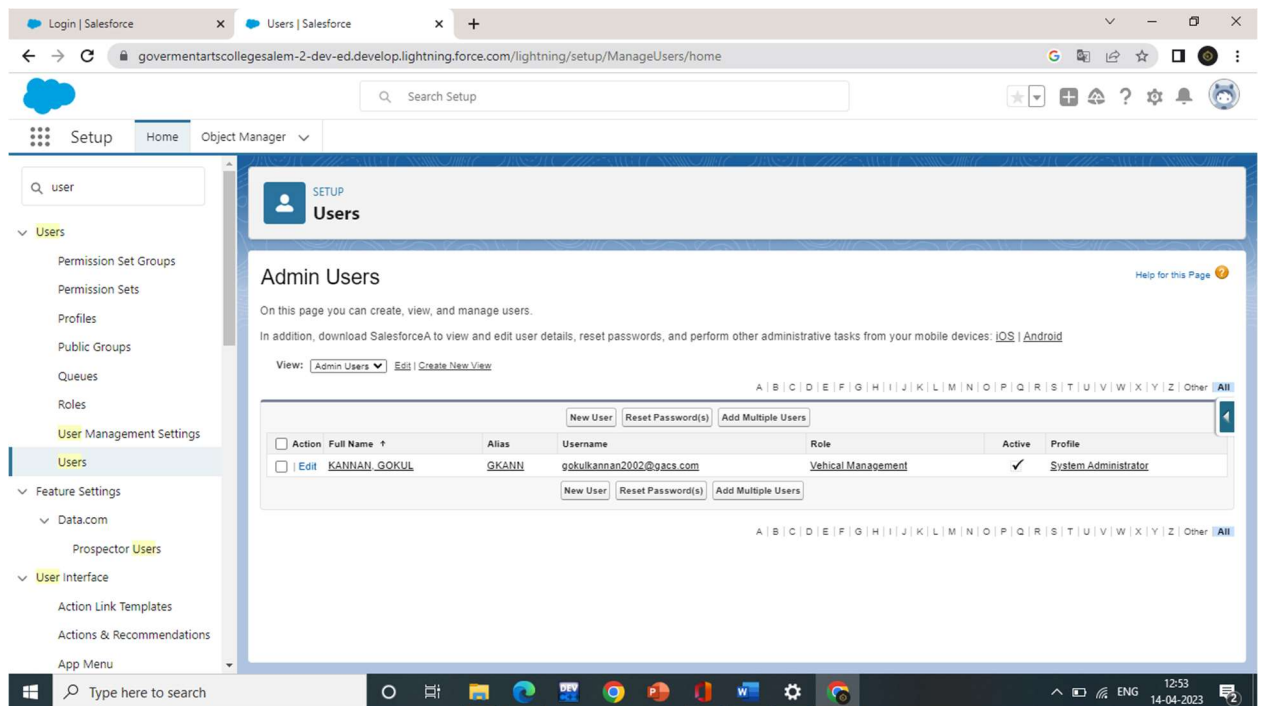
Role Name: Vehical_Management

This role reports to: CEO

Role Name as displayed on reports: CEO

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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



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.

Setup | Roles

roles

Users

Feature Settings

Sales

Contact Roles on Contracts

Contact Roles on Opportunities

Service

Case Teams

Case Team Roles

Contact Roles on Cases

Didn't find what you're looking for? Try using Global Search.

Setup Roles

- SVP, Human Resources Edit | Del | Assign
 - Add Role
- SVP, Sales & Marketing Edit | Del | Assign
 - Add Role
 - VP, International Sales Edit | Del | Assign
 - Add Role
 - VP, Marketing Edit | Del | Assign
 - Add Role
 - Marketing Team Edit | Del | Assign
 - Add Role
 - VP, North American Sales Edit | Del | Assign
 - Add Role
 - Director, Channel Sales Edit | Del | Assign
 - Add Role
 - Channel Sales Team Edit | Del | Assign
 - Add Role
 - Director, Direct Sales Edit | Del | Assign
 - Add Role
 - Eastern Sales Team Edit | Del | Assign
 - Add Role
 - Western Sales Team Edit | Del | Assign
 - Add Role
- Vehicle Management Edit | Del | Assign
 - Add Role

Reports | Reports

Search...

Sales Home Opportunities Leads Tasks Files Accounts Contacts Campaigns Dashboards Reports Chatter Groups More

Reports

Recent

2 items

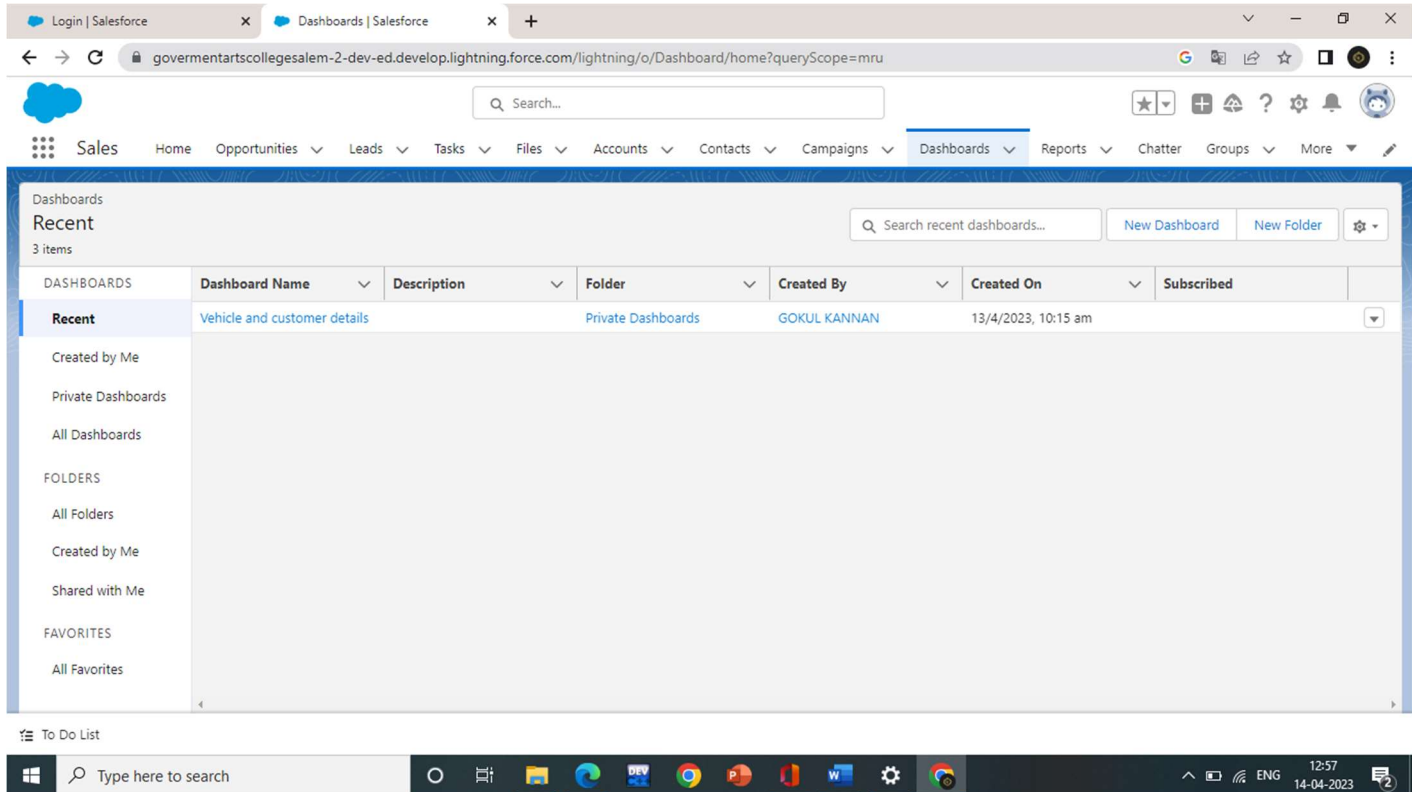
Search recent reports...

New Report New Folder

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	New Contacts & Accounts Report		Private Reports	GOKUL KANNAN	13/4/2023, 10:12 am	
Created by Me	New Vehicles Report		Private Reports	GOKUL KANNAN	11/4/2023, 12:53 pm	
Private Reports						
Public Reports						
All Reports						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						

To Do List

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.



The screenshot shows the Salesforce interface with the 'Dashboards' tab selected. The 'Recent' section displays a table of dashboards. The table has columns for Dashboard Name, Description, Folder, Created By, Created On, and Subscribed. The first row shows a dashboard named 'Vehicle and customer details' in the 'Private Dashboards' folder, created by 'GOKUL KANNAN' on '13/4/2023, 10:15 am'.

DASHBOARDS	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Vehicle and customer details		Private Dashboards	GOKUL KANNAN	13/4/2023, 10:15 am	

4 TRAILHEAD PROFILE PUBLIC URL

Team Lead- <https://trailblazer.me/id/kannant>
 Team Member 1- <https://trailblazer.me/id/elangovan712>
 Team Member 2- <https://trailblazer.me/id/harig8146>
 Team Member 3- <https://trailblazer.me/id/pavithra6745>
 Team Member 4- <https://trailblazer.me/id/ppreethi23>

5 ADVANTAGES

- ❖ Improve the efficiency of a fleet by optimizing routes.
- ❖ Reducing idle time, and improving fuel economy.
- ❖ It reduce costs associated with fuel, maintenance, and repairs.

DISADVANTAGE

- ❖ Vehicle's stand does not specify current location in the parking fields

6 APPLICATIONS

The applications of Vehicle Management are

1. Market place
2. Colleges & Schools
3. Enterprises and Institutions
4. Hospitals
5. Factory and Bank, etc

7. CONCLUSION

A vehicle management system can be a valuable tool for organizations that rely on a fleet of vehicles. Therefore, it is recommended for organizations to consider implementing a vehicle management system to achieve better fleet management.

8. FUTURE SCOPE

As autonomous driving technology continues to advance, vehicle management systems may become increasingly automated. For example, vehicles could communicate with one another to optimize traffic flow and avoid accidents. As more vehicles become connected to the internet, vehicle management systems could incorporate real-time data from other vehicles, weather, and road conditions to provide more accurate and useful information to drivers. With the help of machine learning algorithms, vehicle management systems could analyze data from sensors and other sources to predict when maintenance is needed, potentially saving time and money for vehicle owners.