

PROJECT REPORT ON VEHICLE MANAGEMENT SYSTEM OF THE PROJECT

- **INTRODUCTION**

1.1 Overview

A Vehicle Management System is a software application designed to help businesses manage their vehicles, drivers, and related data. The system can be used to monitor vehicle performance, track maintenance schedules, and manage fuel costs. In this project, we will develop a Vehicle Management System using Salesforce, a cloud-based CRM platform.

1.2 Purpose

The purpose of this project is to create a Vehicle Management System using Salesforce that can help businesses manage their fleet more efficiently. The system will allow businesses to track their vehicles, manage maintenance schedules, and monitor fuel consumption. This will help businesses reduce their costs and improve the overall efficiency of their operations.

- **PROBLEM DEFINITION & DESIGN THINKING**

2.1 Empathy Map

Vehicles	Field label	Data type
	Customer Name	Text
	Colour	Text
Drivers	Field label	Data type
	Driver Name	Text
	Mobile No	Number

3.2 Activity and Screenshot

Milestone-1



Username

Password

[Log In](#)

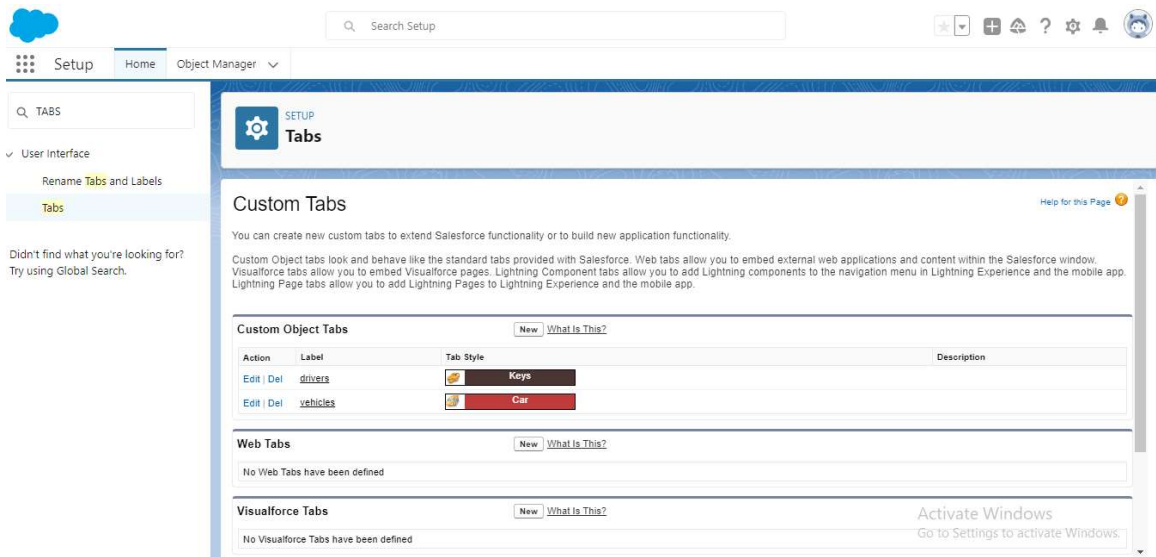
☐ Remember me

[Forgot Your Password?](#) [Use Custom Domain](#)

Not a customer?

[Try for Free](#)

Milestone-2



The screenshot shows the Salesforce Setup interface for Custom Tabs. The left sidebar contains a search bar with 'TABS' and a list of categories: User Interface, Rename Tabs and Labels, and Tabs (selected). The main content area is titled 'Custom Tabs' and includes a 'Help for this Page' link. Below the title, there is a paragraph explaining that custom tabs can be created to extend Salesforce functionality. The page is divided into three sections: Custom Object Tabs, Web Tabs, and Visualforce Tabs. The Custom Object Tabs section contains a table with two entries: 'drivers' and 'vehicles'. The Web Tabs section shows 'No Web Tabs have been defined'. The Visualforce Tabs section shows 'No Visualforce Tabs have been defined'. A 'Go to Settings to activate Windows' message is visible at the bottom right.

Custom Object Tabs

Action	Label	Tab Style	Description
Edit Del	drivers	Keys	
Edit Del	vehicles	Car	

Web Tabs

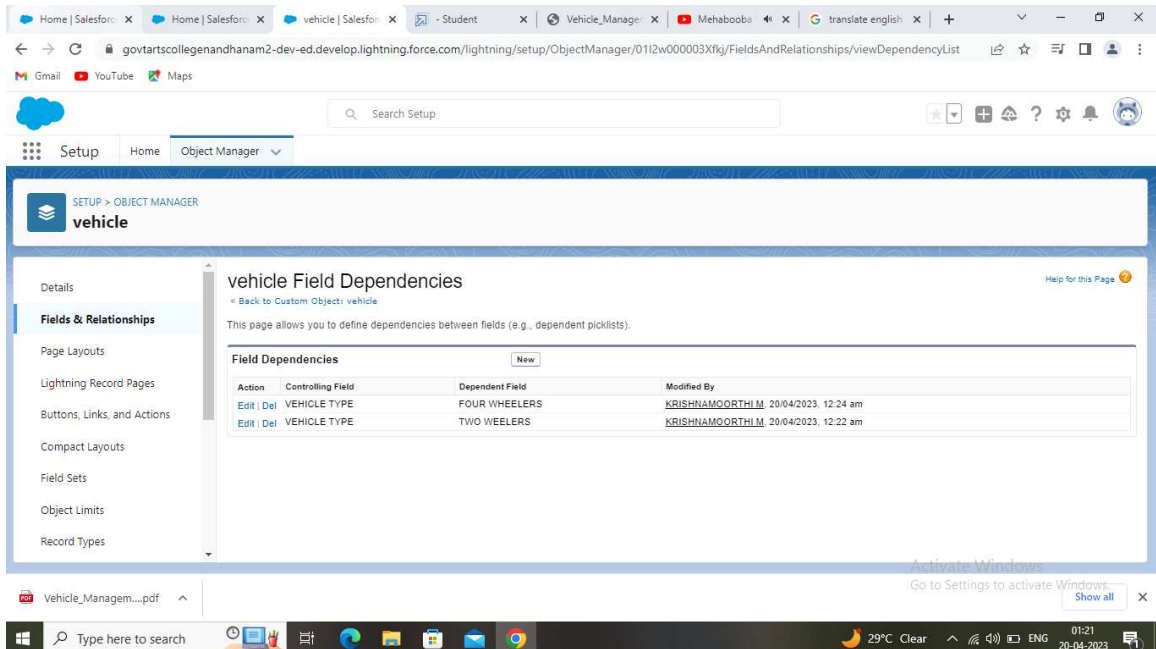
No Web Tabs have been defined

Visualforce Tabs

No Visualforce Tabs have been defined

Activate Windows
Go to Settings to activate Windows

Milestone-3



The screenshot shows the Salesforce Setup interface for the 'vehicle' object. The left sidebar contains a search bar with 'Search Setup' and a list of categories: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, and Record Types. The main content area is titled 'vehicle Field Dependencies' and includes a 'Help for this Page' link. Below the title, there is a paragraph explaining that this page allows users to define dependencies between fields. The page is divided into a section titled 'Field Dependencies' which contains a table with two entries: 'VEHICLE TYPE' and 'TWO WHEELERS'. A 'Go to Settings to activate Windows' message is visible at the bottom right.

vehicle Field Dependencies

Back to Custom Object: vehicle

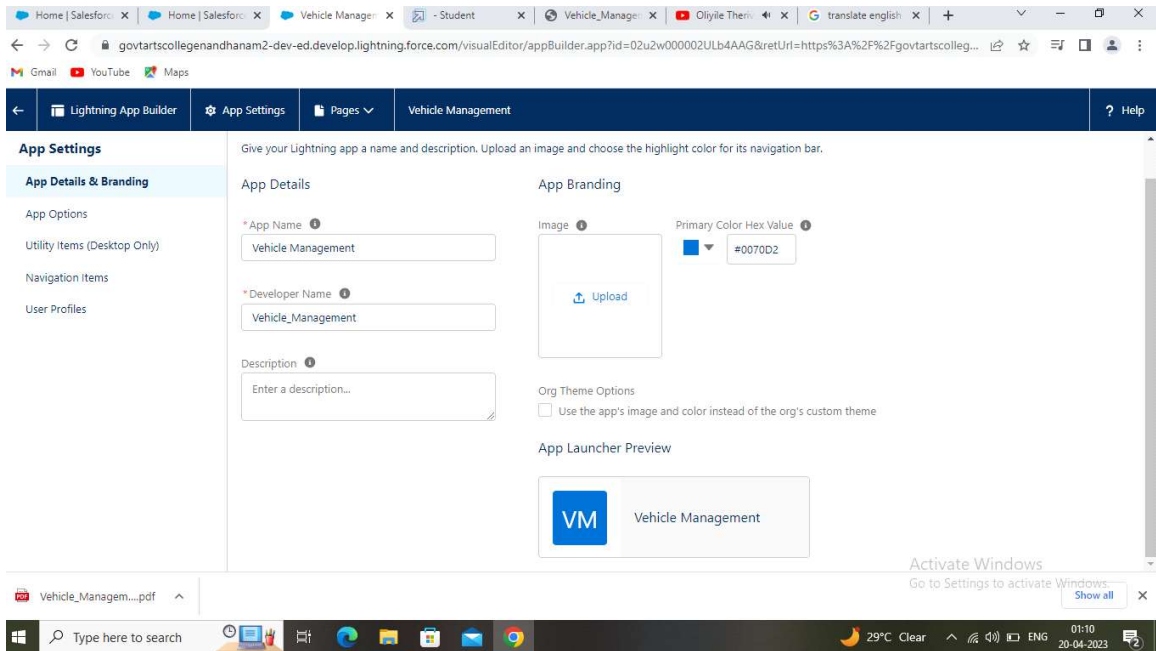
This page allows you to define dependencies between fields (e.g., dependent picklists).

Field Dependencies

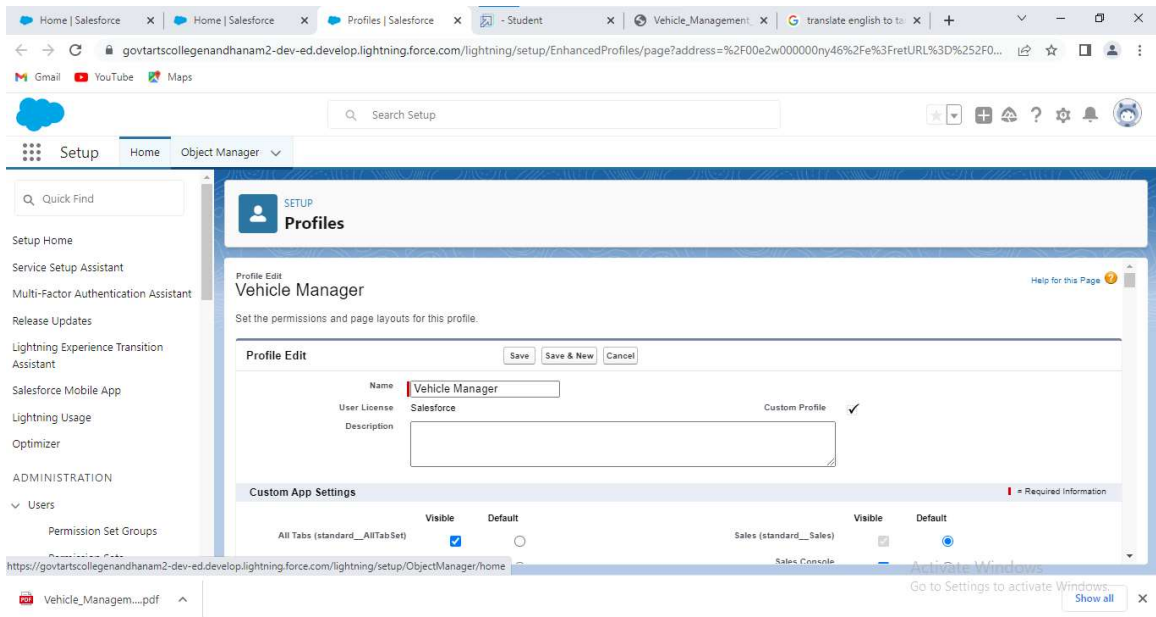
Action	Controlling Field	Dependent Field	Modified By
Edit Del	VEHICLE TYPE	FOUR WHEELERS	KRISHNAMOORTHIM 20/04/2023, 12:24 am
Edit Del	VEHICLE TYPE	TWO WHEELERS	KRISHNAMOORTHIM 20/04/2023, 12:22 am

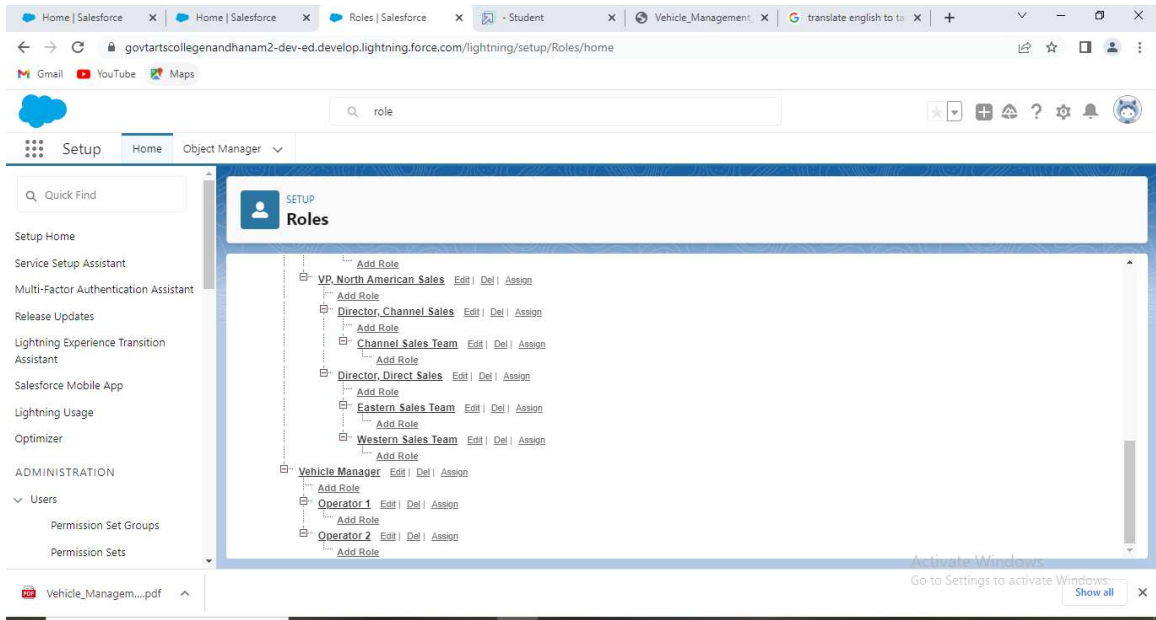
Activate Windows
Go to Settings to activate Windows

Milestone-4



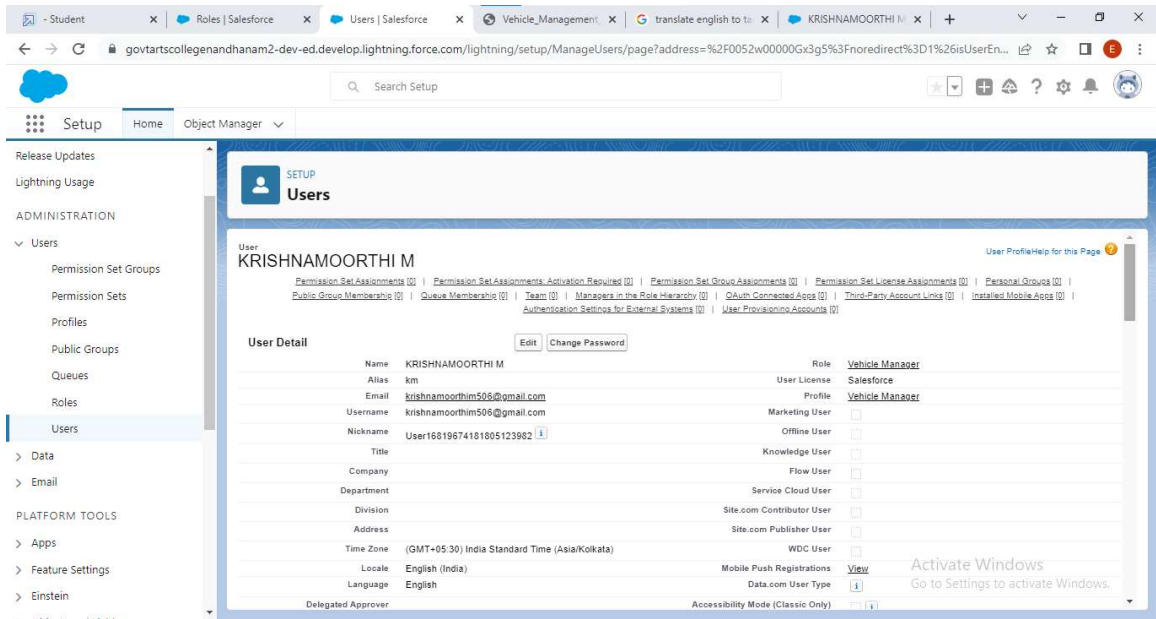
Milestone-5





The screenshot shows the Salesforce Setup interface with the 'Roles' page selected. The left sidebar contains navigation links for Setup Home, Service Setup Assistant, Multi-Factor Authentication Assistant, Release Updates, Lightning Experience Transition Assistant, Salesforce Mobile App, Lightning Usage, Optimizer, ADMINISTRATION, Users, Permission Set Groups, and Permission Sets. The main content area displays a hierarchical role structure. At the top is 'VP_North American Sales', which has a sub-role 'Director_Channel Sales'. This role has two sub-roles: 'Channel Sales Team' and 'Director_Direct Sales'. 'Channel Sales Team' has a sub-role 'Eastern Sales Team', which in turn has a sub-role 'Western Sales Team'. Below these are 'Vehicle Manager' and 'Operator 1', both of which have sub-roles 'Operator 2' and 'Operator 3'. Each role has an 'Add Role' link next to it. The browser's address bar shows the URL: govartscollegenandhanam2-dev-ed.develop.lightning.force.com/lightning/setup/Roles/home.

Milestone-6



The screenshot shows the Salesforce Setup interface with the 'Users' page selected. The left sidebar contains navigation links for Release Updates, Lightning Usage, ADMINISTRATION, Users, Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, and Users. The main content area displays the user profile for 'KRISHNAMOORTHIM'. The user's role is 'Vehicle Manager'. The user's email is 'krishnamoorthim505@gmail.com'. The user's username is 'krishnamoorthim505@gmail.com'. The user's nickname is 'User16819674181005123802'. The user's title is 'Vehicle Manager'. The user's company is 'Salesforce'. The user's department is 'Salesforce'. The user's division is 'Salesforce'. The user's address is 'Salesforce'. The user's time zone is '(GMT+05:30) India Standard Time (Asia/Kolkata)'. The user's locale is 'English (India)'. The user's language is 'English'. The user's delegated approver is 'Vehicle Manager'. The user's accessibility mode is 'Classic Only'. The browser's address bar shows the URL: govartscollegenandhanam2-dev-ed.develop.lightning.force.com/lightning/setup/ManageUsers/page?address=%2F0052w00000Gx3g5%3Fnoredirect%3D1%26isUserEn...

Milestone-7

Report: Accounts
New Accounts Report

Total Records: 13

	Last Activity	Account Owner	Account Name	Billing State/Province	Type	Rating	Last Modified Date
1	-	Automated Process	Sample Account for Entitlements	-	-	-	04/04/2023
2	-	KRISHNAMOORTHY M	GenePoint	CA	Customer - Channel	Cold	04/04/2023
3	-	KRISHNAMOORTHY M	United Oil & Gas, UK	UK	Customer - Direct	-	04/04/2023
4	-	KRISHNAMOORTHY M	United Oil & Gas, Singapore	Singapore	Customer - Direct	-	04/04/2023
5	-	KRISHNAMOORTHY M	Edge Communications	TX	Customer - Direct	Hot	04/04/2023
6	-	KRISHNAMOORTHY M	Burlington Textiles Corp of America	NC	Customer - Direct	Warm	04/04/2023
7	-	KRISHNAMOORTHY M	Pyramid Construction Inc.	-	Customer - Channel	-	04/04/2023
8	-	KRISHNAMOORTHY M	Dickenson plc	KS	Customer - Channel	-	04/04/2023
9	-	KRISHNAMOORTHY M	Grand Hotels & Resorts Ltd	IL	Customer - Direct	Warm	04/04/2023
10	-	KRISHNAMOORTHY M	Express Logistics and Transport	OR	Customer - Channel	Cold	04/04/2023

- TRAILHEAD PROFILE PUBLIC URL**

Team Lead – <https://trailblazer.me/id/em1bscphy>

Team member 1 - <https://trailblazer.me/id/emphy1>

Team member 2 - <https://trailblazer.me/id/e3bscphy>

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

- ADVANTAGES AND DISADVANTAGES**

The Vehicle Management System will help businesses manage their fleet more efficiently, reducing costs and increasing productivity.

The system will allow businesses to track vehicle maintenance schedules, reducing the risk of breakdowns and improving the safety of their fleet.

By monitoring fuel consumption, businesses can identify areas where they can reduce costs, such as optimizing routes or reducing idle time.

The system will provide businesses with real-time data on their vehicles, allowing them to make informed decisions and respond quickly to any issues.

- **DISADVANTAGES**

Implementing the system may require significant time and resources, particularly if there are a large number of vehicles to manage.

There may be a learning curve for users who are not familiar with Salesforce or the Vehicle Management System.

The system may require ongoing maintenance and updates.

- **APPLICATIONS**

The Vehicle Management System can be used by businesses of all sizes to manage their fleet of vehicles, including cars, trucks, and other types of vehicles.

The system can be customized to fit the specific needs of the business, allowing for greater flexibility.

The system can also be used by rental companies, taxi companies, and other businesses that operate vehicles as part of their operations.

- **CONCLUSION**

A Vehicle Management System using Salesforce can greatly improve the efficiency and effectiveness of businesses that rely on a fleet of vehicles. By providing real-time data on vehicle performance, maintenance schedules, and fuel consumption, businesses can make informed decisions and respond quickly to any issues. The system can help reduce costs, improve safety, and increase productivity.

- **FUTURE SCOPE**

The Vehicle Management System can be expanded to include additional features, such as integration with GPS tracking systems or predictive maintenance algorithms, to create a complete fleet management system. Additionally, the system can be integrated with other Salesforce applications to create a comprehensive business management platform. The system can also be used to manage other types of assets, such as heavy equipment or machinery.