

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

2.2 Ideation & Brainstorming Map

• RESULT

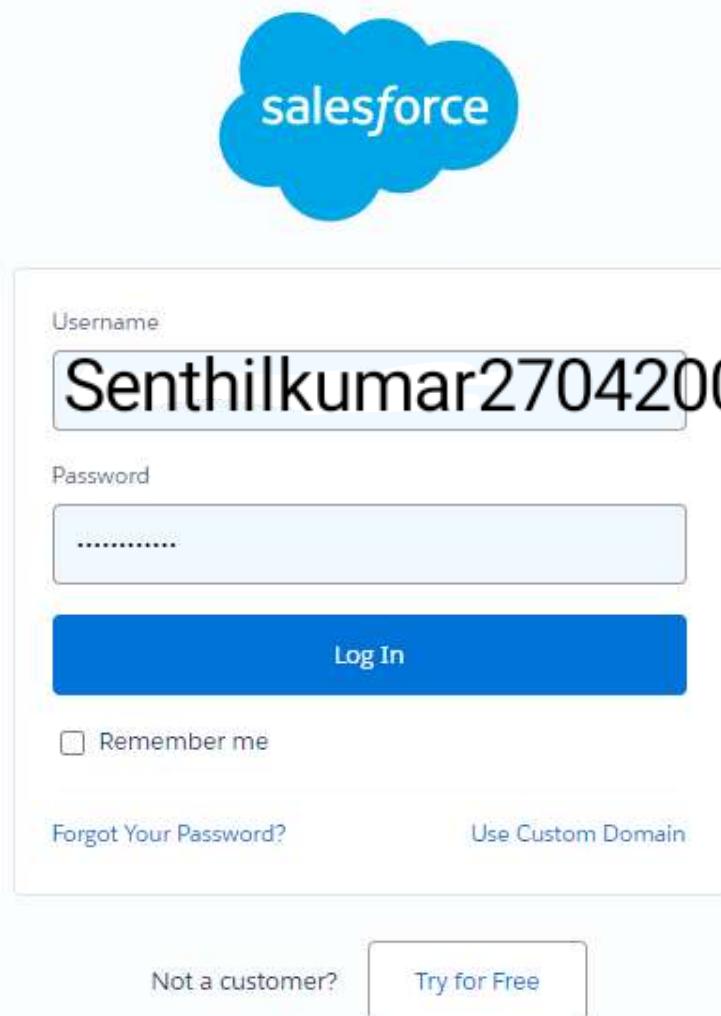
3.1 Data Model:

| Object name | Fields in the Object |
|-------------|----------------------|
|-------------|----------------------|

| Vehicles | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Field label</th><th style="text-align: left;">Data type</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">Customer Name</td><td style="padding: 2px;">Text</td></tr> <tr> <td style="padding: 2px;">Colour</td><td style="padding: 2px;">Text</td></tr> </tbody> </table> | Field label | Data type | Customer Name | Text | Colour | Text |
|---------------|--|-------------|-----------|---------------|------|-----------|--------|
| Field label | Data type | | | | | | |
| Customer Name | Text | | | | | | |
| Colour | Text | | | | | | |
| Drivers | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Field label</th><th style="text-align: left;">Data type</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">Driver Name</td><td style="padding: 2px;">Text</td></tr> <tr> <td style="padding: 2px;">Mobile No</td><td style="padding: 2px;">Number</td></tr> </tbody> </table> | Field label | Data type | Driver Name | Text | Mobile No | Number |
| Field label | Data type | | | | | | |
| Driver Name | Text | | | | | | |
| Mobile No | Number | | | | | | |

3.2 Activity and Screenshot

Milestone-1



The image shows the Salesforce login screen. At the top is the blue Salesforce logo. Below it is a light gray login form. The first field is labeled "Username" and contains the text "Senthilkumar270420032@gmail.com". The second field is labeled "Password" and contains several dots. A large blue button labeled "Log In" is centered below the password field. To the left of the "Log In" button is a checkbox labeled "Remember me". At the bottom of the form are two links: "Forgot Your Password?" and "Use Custom Domain".

Username

Senthilkumar270420032@gmail.com

Password

.....

Log In

Remember me

[Forgot Your Password?](#)

[Use Custom Domain](#)

Milestone-2

Custom Tabs

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

| 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.

Milestone-3

vehicle Field Dependencies

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

| Action | Controlling Field | Dependent Field | Modified By |
|------------|-------------------|-----------------|---|
| Edit Del | VEHICLE TYPE | FOUR WHEELERS | KRISHNAMOORTHI.M [20/04/2023, 12:24 am] |
| Edit Del | VEHICLE TYPE | TWO WHEELERS | KRISHNAMOORTHI.M [20/04/2023, 12:22 am] |

Milestone-4

The screenshot shows the Lightning App Builder interface. On the left, there's a sidebar with 'App Settings' and 'App Details & Branding'. Under 'App Details', the 'App Name' is set to 'Vehicle Management'. In 'App Branding', there's a placeholder for an 'Image' and a 'Primary Color Hex Value' set to '#0070D2'. Below this is an 'Upload' button. A 'Description' field contains the placeholder 'Enter a description...'. To the right, there's a section for 'Org Theme Options' with a checkbox for 'Use the app's image and color instead of the org's custom theme'. At the bottom, there's a preview of the app launcher with a blue square icon containing 'VM' and the text 'Vehicle Management'.

Milestone-5

The screenshot shows the Salesforce Setup interface. On the left, there's a sidebar with various options like 'Setup Home', 'Service Setup Assistant', and 'Multi-Factor Authentication Assistant'. The main area is titled 'Profiles' and shows a 'Profile Edit' screen for 'Vehicle Manager'. The 'Name' field is filled with 'Vehicle Manager'. Under 'User License', 'Salesforce' is selected. There's a 'Custom Profile' checkbox checked. In the 'Custom App Settings' section, 'All Tabs (standard__AllTabSet)' is selected for 'Visible' and 'Default'. Another row shows 'Sales (standard__Sales)' with 'Visible' checked and 'Default' selected. At the bottom, there are 'Save', 'Save & New', and 'Cancel' buttons. The status bar at the bottom indicates the URL as <https://govtartscollegenandhanam2-dev-ed.lightning.force.com/lightning/setup/ObjectManager/home>.

The screenshot shows the Salesforce Setup interface for managing Roles. The left sidebar includes 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, Permission Sets), and Vehicle Management. The main content area displays a tree view of roles under the 'Add Role' section. The roles listed are: VP_North American Sales, Director_Channel Sales, Channel Sales Team, Director_Direct Sales, Eastern Sales Team, Western Sales Team, Vehicle Manager, Operator_1, and Operator_2.

Milestone-6

The screenshot shows the Salesforce Setup interface for managing Users. The left sidebar includes links for Release Updates, Lightning Usage, Administration (Users, Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, Data, Email), Platform Tools (Apps, Feature Settings, Einstein), and Vehicle Management. The main content area displays the User Detail for 'KRISHNAMOORTHI M'. The user's details include Name: KRISHNAMOORTHI M, Alias: km, Email: krishnamoorthim506@gmail.com, Username: krishnamoorthim506@gmail.com, Nickname: User1681967418105123982, Title: , Company: , Department: , Division: , Address: , Time Zone: (GMT+05:30) India Standard Time (Asia/Kolkata), Locale: English (India), Language: English, and Delegated Approver: . The user is assigned to the 'Vehicle Manager' role and has the 'Vehicle Manager' profile. Other user types listed are Marketing User, Offline User, Knowledge User, Flow User, Service Cloud User, Site.com Contributor User, Site.com Publisher User, WDC User, Mobile Push Registrations, Data.com User Type, and Accessibility Mode (Classic Only). A note at the bottom right says 'Activate Windows' and 'Go to Settings to activate Windows.'

Milestone-7

| | 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 | - | KRISHNAMOORTHI M | GenePoint | CA | Customer - Channel | Cold | 04/04/2023 |
| 3 | - | KRISHNAMOORTHI M | United Oil & Gas, UK | UK | Customer - Direct | - | 04/04/2023 |
| 4 | - | KRISHNAMOORTHI M | United Oil & Gas, Singapore | Singapore | Customer - Direct | - | 04/04/2023 |
| 5 | - | KRISHNAMOORTHI M | Edge Communications | TX | Customer - Direct | Hot | 04/04/2023 |
| 6 | - | KRISHNAMOORTHI M | Burlington Textiles Corp of America | NC | Customer - Direct | Warm | 04/04/2023 |
| 7 | - | KRISHNAMOORTHI M | Pyramid Construction Inc. | - | Customer - Channel | - | 04/04/2023 |
| 8 | - | KRISHNAMOORTHI M | Dickenson plc | KS | Customer - Channel | - | 04/04/2023 |
| 9 | - | KRISHNAMOORTHI M | Grand Hotels & Resorts Ltd | IL | Customer - Direct | Warm | 04/04/2023 |
| 10 | - | KRISHNAMOORTHI M | Express Logistics and Transport | OR | Customer - Channel | Cold | 04/04/2023 |

- **TRAILHEAD PROFILE PUBLIC URI**

Team Lead – <https://trailblazer.me/id/senthil01>

Team member 1 - <https://trailblazer.me/larance61>

Team member 2 - <https://trailblazer.me/id/arunachalam54>

- **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.