

# PROJECT REPORT

---

## Vehicle management system

### Using sales force

#### 1. INTRODUCTION :

##### 1.1 OVERVIEW :

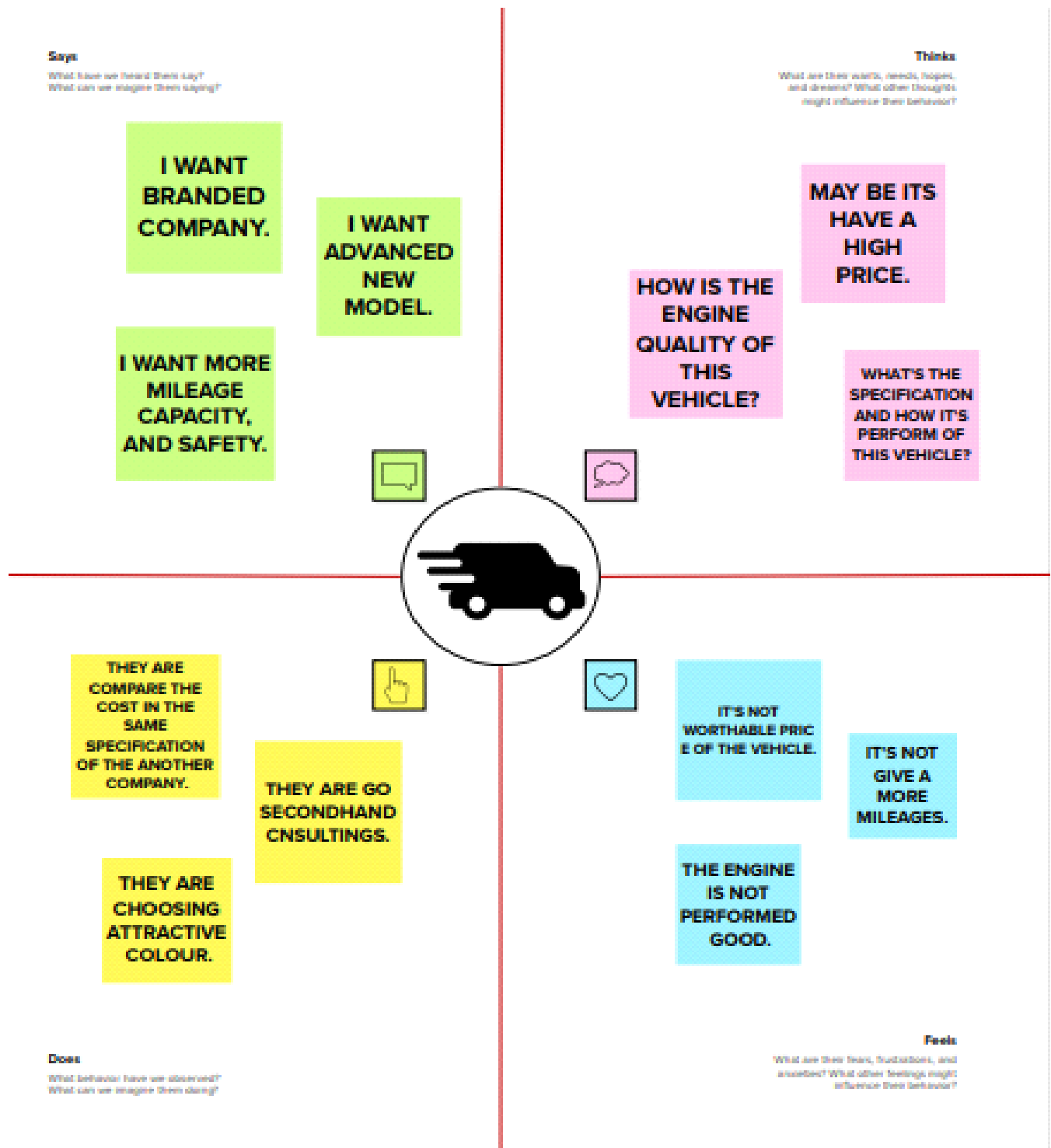
Vehicle Management is an application where a customer details are stored in order to choose cars, bikes and commercial vehicles for travel within the city. The data which is stored here is further used to remind them if any offers are provided during the season and any updates regarding vehicles are 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 been heavy equipment - to ensure they are utilized safely, efficiently and professionally, while making sure they're well maintained and high-performing.

## 2. PROBLEM DEFINITION & DESIGN THINKING :

### 2.1 EMPATHY MAP :





### 3. RESULT :

#### 3.1 DATA MODEL :

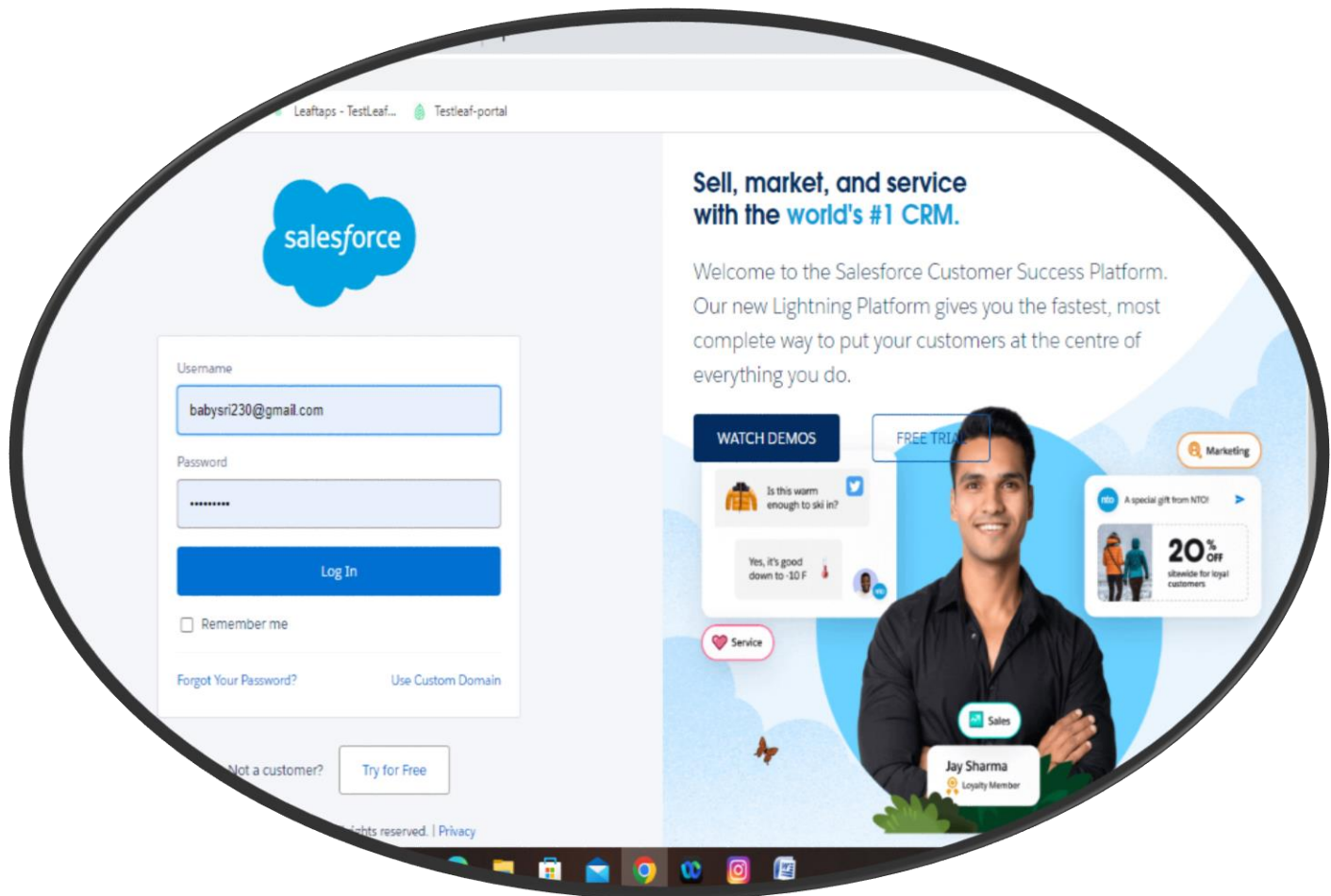
OBJECT NAME	FIELDS IN THE OBJECT								
Driver	<table><tr><th>FIELD LABEL</th><th>DATA TYPE</th></tr><tr><td>Driver name</td><td>Text(80)</td></tr></table>	FIELD LABEL	DATA TYPE	Driver name	Text(80)				
FIELD LABEL	DATA TYPE								
Driver name	Text(80)								
Vehicle	<table><tr><th>FIELD LABEL</th><th>DATA TYPE</th></tr><tr><td>Driver</td><td>Data/time</td></tr><tr><td>Vehicle</td><td>Auto number</td></tr><tr><td>Vehicle name</td><td>Text(80)</td></tr></table>	FIELD LABEL	DATA TYPE	Driver	Data/time	Vehicle	Auto number	Vehicle name	Text(80)
FIELD LABEL	DATA TYPE								
Driver	Data/time								
Vehicle	Auto number								
Vehicle name	Text(80)								

## 3.2 ACTIVITY & SCREENSHOTS :

### MILESTONE 1 :

#### CREATING DEVELOPER ACCOUNT :

(USING WEBSITE→[developers.salesforce.com/](https://developers.salesforce.com/) )



## MILESTONE 2 :

## TO CREATE AN OBJECT :

The screenshot shows the 'New Custom Object' setup page in Salesforce. The browser address bar indicates the URL: `govtartsandsciencecollegev8-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/new`. The page title is 'New Custom Object'. The 'Custom Object Definition Edit' section is active, showing the 'Custom Object Information' tab. The 'Label' field is set to 'Account' (Example: Account). The 'Plural Label' field is set to 'Accounts' (Example: Accounts). The 'Object Name' field is set to 'Account' (Example: Account). The 'Description' field is empty. The 'Context-Sensitive Help Setting' is set to 'Open the standard Salesforce.com Help & Training window'. The 'Content Name' is set to 'None'. The 'Save' button is visible.

Custom Object Definition Edit

Custom Object Information

The singular and plural labels are used in tabs, page layouts, and reports.

Label  Example: Account

Plural Label  Example: Accounts

Starts with vowel sound ☐

The Object Name is used when referencing the object via the API.

Object Name  Example: Account

Description

Context-Sensitive Help Setting

☒ Open the standard Salesforce.com Help & Training window

☐ Open a window using a Visualforce page

Content Name

Save Save & New Cancel

## OBJECT SAVING :

The screenshot shows the 'New Custom Object' setup page in Salesforce. The browser address bar indicates the URL: `govtartsandsciencecollegev8-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/new`. The page title is 'New Custom Object'. The 'Object Classification' tab is active. The 'Object Classification' section shows 'Allow Sharing' (checked), 'Allow Bulk API Access' (checked), and 'Allow Streaming API Access' (checked). The 'Deployment Status' section shows 'In Development' (unchecked) and 'Deployed' (checked). The 'Search Status' section shows 'Allow Search' (unchecked). The 'Object Creation Options' section shows 'Add Notes and Attachments related list to default page layout' (unchecked) and 'Launch New Custom Tab Wizard after saving this custom object' (unchecked). The 'Save' button is visible.

Object Classification

When these settings are enabled, this object is classified as an Enterprise Application object. When these settings are disabled, this object is classified as a Light Application object. [Learn more.](#)

☒ Allow Sharing

☒ Allow Bulk API Access

☒ Allow Streaming API Access

Deployment Status

☐ In Development

☒ Deployed

Search Status

When this setting is enabled, your users can find records of this object type when they search. [Learn more.](#)

☐ Allow Search

Object Creation Options (Available only when custom object is first created)

☐ Add Notes and Attachments related list to default page layout

☐ Launch New Custom Tab Wizard after saving this custom object

Save Save & New Cancel

## MILESTONE 3 :

### FIELDS AND RELATIONSHIP :

- FIELD IN VEHICLE OBJECT :**

The screenshot shows the Salesforce Setup interface for the 'Vehicle' object. The 'Fields & Relationships' section is active, displaying a table of 6 fields. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are Created By, Driver, Last Modified By, Owner, Vehicle, and Vehicle Name.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Driver	driver__c	Date/Time		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Vehicle	Vehicle__c	Auto Number		
Vehicle Name	Name	Text(80)		✓

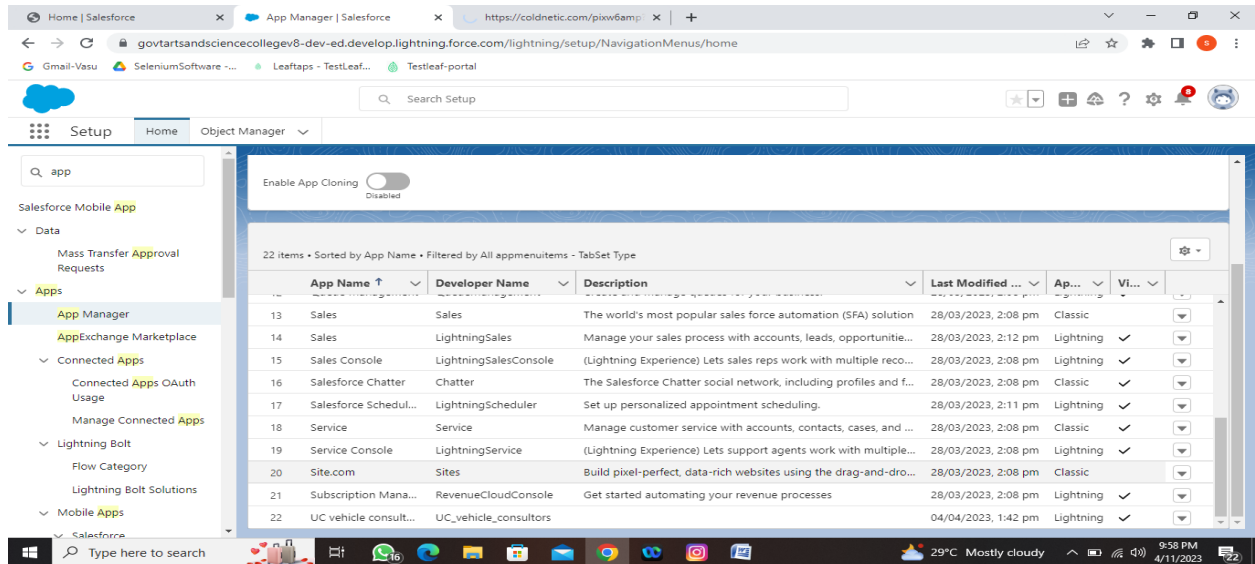
- \* FIELD IN DRIVER OBJECT :**

The screenshot shows the Salesforce Setup interface for the 'Driver' object. The 'Fields & Relationships' section is active, displaying a table of 4 fields. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are Created By, driver Name, Last Modified By, and Owner.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
driver Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓

## MILESTONE 4 :

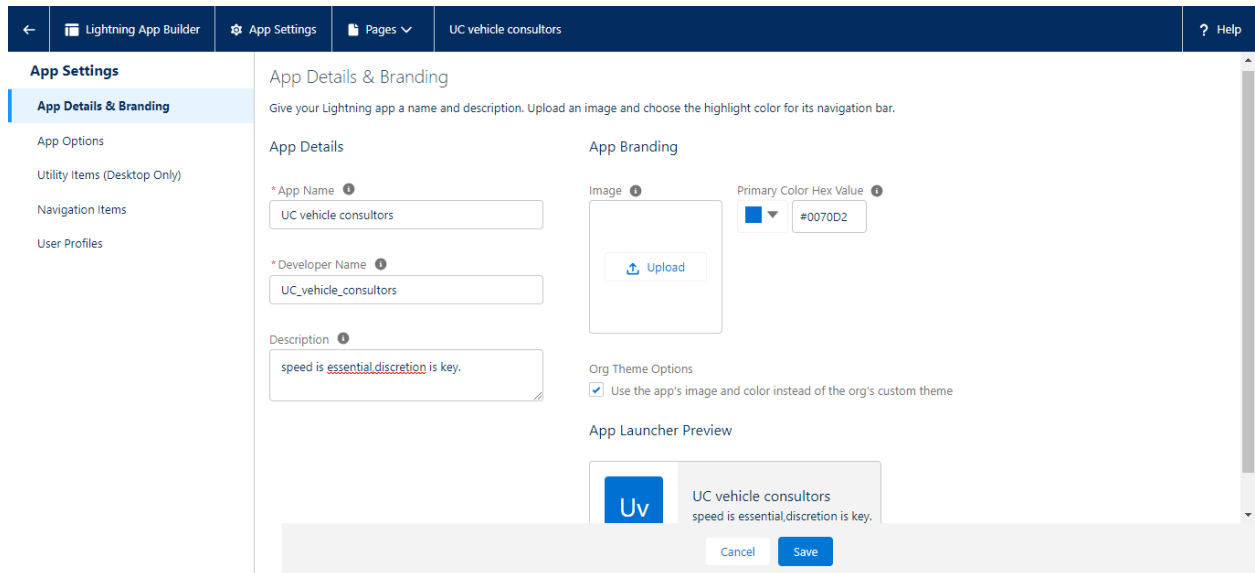
### LIGHTNING APP :



The screenshot shows the Salesforce App Manager interface. The left sidebar contains a search bar and a list of app categories: Salesforce Mobile App, Data, Mass Transfer App, Approval Requests, Apps, App Manager, AppExchange Marketplace, Connected Apps, Connected Apps OAuth Usage, Manage Connected Apps, Lightning Bolt, Flow Category, Lightning Bolt Solutions, and Mobile Apps. The main content area displays a table of installed apps, sorted by App Name. The table has columns for App Name, Developer Name, Description, Last Modified, App Type, and Visibility. The table lists 22 items, including Sales, LightningSales, LightningSalesConsole, Chatter, LightningScheduler, Service, LightningService, Sites, RevenueCloudConsole, and UC\_vehicle\_consultors.

App Name	Developer Name	Description	Last Modified	App Type	Visibility
13 Sales	Sales	The world's most popular sales force automation (SFA) solution	28/03/2023, 2:08 pm	Classic	
14 Sales	LightningSales	Manage your sales process with accounts, leads, opportunitie...	28/03/2023, 2:12 pm	Lightning	✓
15 Sales Console	LightningSalesConsole	(Lightning Experience) Lets sales reps work with multiple reco...	28/03/2023, 2:08 pm	Lightning	✓
16 Salesforce Chatter	Chatter	The Salesforce Chatter social network, including profiles and f...	28/03/2023, 2:08 pm	Classic	✓
17 Salesforce Schedul...	LightningScheduler	Set up personalized appointment scheduling.	28/03/2023, 2:11 pm	Lightning	✓
18 Service	Service	Manage customer service with accounts, contacts, cases, and ...	28/03/2023, 2:08 pm	Classic	✓
19 Service Console	LightningService	(Lightning Experience) Lets support agents work with multiple...	28/03/2023, 2:08 pm	Lightning	✓
20 Site.com	Sites	Build pixel-perfect, data-rich websites using the drag-and-dro...	28/03/2023, 2:08 pm	Classic	✓
21 Subscription Mana...	RevenueCloudConsole	Get started automating your revenue processes	28/03/2023, 2:08 pm	Lightning	✓
22 UC vehicle consult...	UC_vehicle_consultors		04/04/2023, 1:42 pm	Lightning	✓

### APP DETAILS :



The screenshot shows the Salesforce Lightning App Builder interface. The left sidebar contains a search bar and a list of app categories: App Settings, App Details & Branding, App Options, Utility Items (Desktop Only), Navigation Items, and User Profiles. The main content area displays the App Details & Branding settings for the app "UC vehicle consultants". The settings include App Name, Developer Name, Description, App Branding (Image and Primary Color Hex Value), Org Theme Options, and App Launcher Preview.

**App Details & Branding**

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.

**App Details**

\* App Name: UC vehicle consultants

\* Developer Name: UC\_vehicle\_consultors

Description: speed is essential discretion is key.

**App Branding**

Image: [Upload button]

Primary Color Hex Value: #0070D2

Org Theme Options: ☒ Use the app's image and color instead of the org's custom theme

**App Launcher Preview**

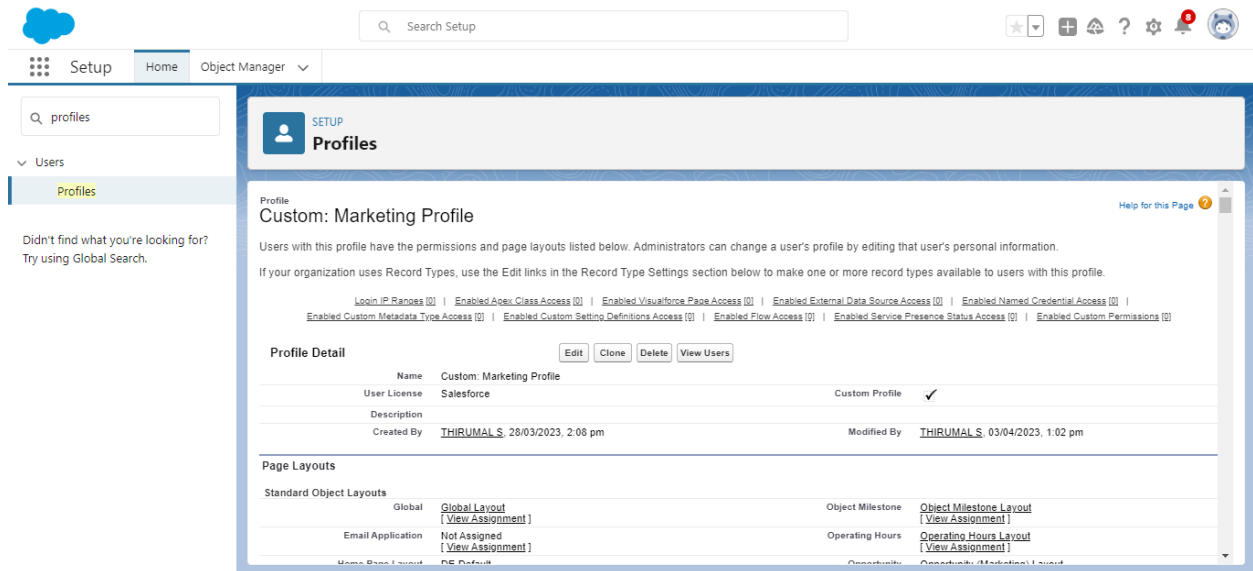
Uv UC vehicle consultants  
speed is essential discretion is key.

Cancel Save



## MILESTONE 5 :

### PROFILES :

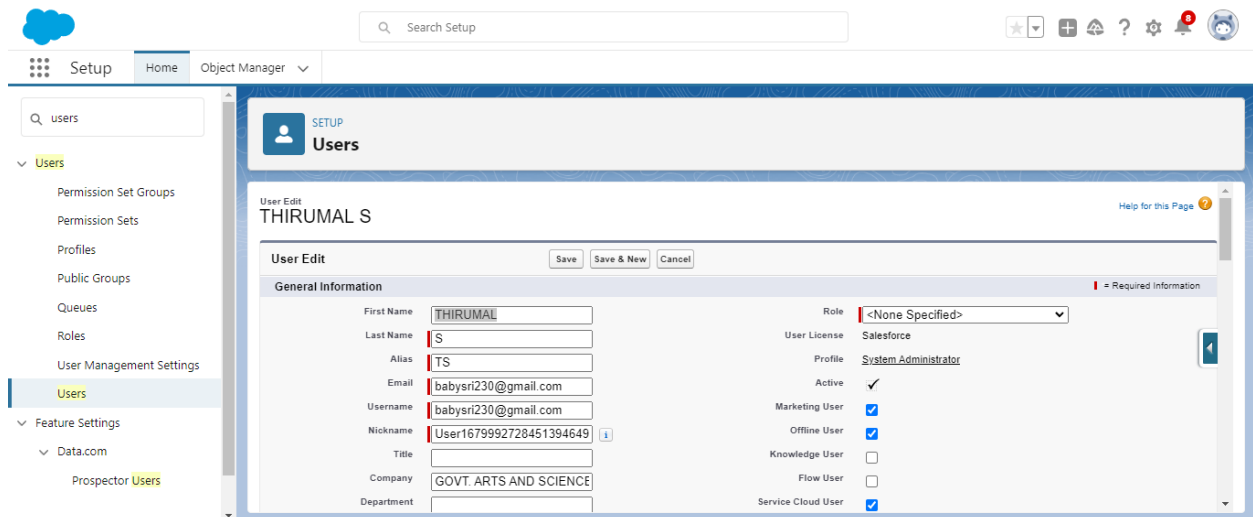


The screenshot shows the Salesforce Setup interface for the 'Profiles' section. The left sidebar contains a search bar with 'profiles' and a list of navigation items: Users, Profiles (highlighted), and a search result for 'Didn't find what you're looking for? Try using Global Search.' The main content area is titled 'Custom: Marketing Profile' and includes a 'Help for this Page' link. Below the title, there is a description of the profile and a list of enabled permissions. The 'Profile Detail' section shows the profile name, user license, description, and creation/modification dates. The 'Page Layouts' section displays a table of assigned layouts for various objects.

Standard Object Layouts	Global	Object Milestone
	Global Layout [View Assignment]	Object Milestone Layout [View Assignment]
Email Application	Not Assigned [View Assignment]	Operating Hours Layout [View Assignment]
Marketing Campaign	Default	Operating Hours Layout [View Assignment]

## MILESTONE 6 :

### USERS :



The screenshot shows the Salesforce Setup interface for the 'Users' section. The left sidebar contains a search bar with 'users' and a list of navigation items: Users (highlighted), Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, User Management Settings, Feature Settings, Data.com, and Prospector Users. The main content area is titled 'User Edit: THIRUMAL S' and includes a 'Help for this Page' link. Below the title, there is a 'User Edit' section with 'Save', 'Save & New', and 'Cancel' buttons. The 'General Information' section shows fields for First Name, Last Name, Alias, Email, Username, Nickname, Title, Company, and Department. The 'Role' section shows a dropdown for Role, User License, Profile, Active, Marketing User, Offline User, Knowledge User, Flow User, and Service Cloud User.

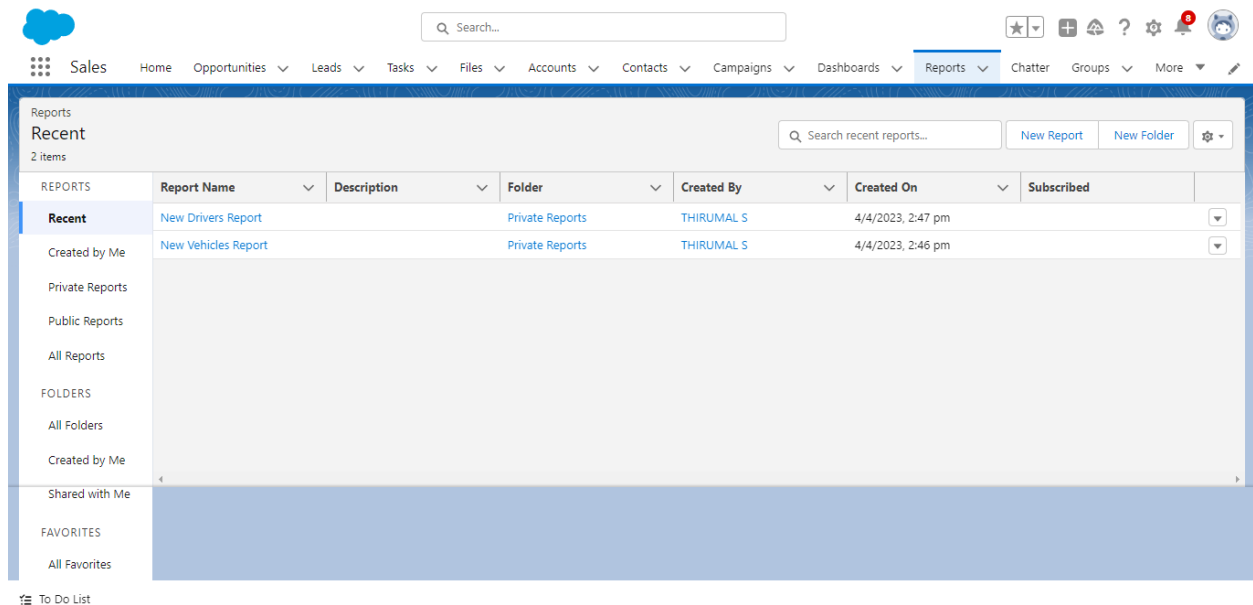
General Information	Role
First Name: THIRUMAL	Role: <None Specified>
Last Name: S	User License: Salesforce
Alias: ITS	Profile: System Administrator
Email: babysri230@gmail.com	Active: <input checked="" type="checkbox"/>
Username: babysri230@gmail.com	Marketing User: <input checked="" type="checkbox"/>
Nickname: User1679992728451394649	Offline User: <input checked="" type="checkbox"/>
Title:	Knowledge User: <input type="checkbox"/>
Company: GOVT. ARTS AND SCIENCE	Flow User: <input type="checkbox"/>
Department:	Service Cloud User: <input checked="" type="checkbox"/>

## MILESTONE 7 :

### REPORTS :

#### REPORT FOR TWO OBJECTS

1. NEW DRIVER REPORTS
2. NEW VEHICLE REPORTS



The screenshot displays the Salesforce Reports page. The top navigation bar includes a search bar and various icons. The left sidebar shows a navigation menu with options like Sales, Home, Opportunities, Leads, Tasks, Files, Accounts, Contacts, Campaigns, Dashboards, Reports, Chatter, Groups, and More. The main content area is titled 'Reports' and shows a list of recent reports. The table has columns for Report Name, Description, Folder, Created By, Created On, and Subscribed. Two reports are listed: 'New Drivers Report' and 'New Vehicles Report', both created by 'THIRUMAL S' on 4/4/2023. The interface also includes a 'Recent' section with a search bar and buttons for 'New Report' and 'New Folder'.

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	New Drivers Report		Private Reports	THIRUMAL S	4/4/2023, 2:47 pm	
Created by Me	New Vehicles Report		Private Reports	THIRUMAL S	4/4/2023, 2:46 pm	

#### 4 . TRAILHEAD PROFILE PUBLIC URL :

Team Lead – <https://trailblazer.me/id/sthiru124>

Team Member 1 – <https://trailblazer.me/id/ssenthamaraikannan1>

Team Member 2 – <https://trailblazer.me/id/vmathi19>

Team Member 3 – <https://trailblazer.me/id/thsha3>

## **5. ADVANTAGES & DISADVANTAGES :**

### **ADVANTAGES**

- Duplication of the vehicle data is avoided.
- As vehicle number is already stored in the master therefore human mistakes can be avoided.
- Timely alerts ensure that penalties are avoided.
- Accessing of vehicle documents becomes easy and time saving.

### **DISADVANTAGES**

- It is difficult to track the occupancy.
- More manual hours need to generate required reports.
- It is tedious to track the details of cabs provided by third party.
- There is n possibility to track the approvals.
- No co-ordination between various departments.

## **6. APPLICATIONS :**

This system for vehicle management will provide the complete details required for perfect maintenance. It will also include the details of breakdown service contact, particularly based on the geographical locations, which will enable the user to easily locate the nearby service centers.

Added with, it also reflects the next service date as a reminder sent in the form of SMS to your mobile phone. Undeniably, our application will overall increase your user satisfaction alongside increasing the sales to the Service Centers that are tied up with your business.

## **7. Conclusion :**

Our project is only humble venture to satisfy the needs to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the recruitments of the school. The objective of software planning is to provide a Framework 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 has the project progress.

## **8. Future scope :**

In a nutshell, it can be summarized that the future scope of the project circles around maintaining information regarding:

- We can add printer in future.
- We can give more advance software for vehicle management system including more facilities.
- We will host the platform on online servers to make it accessible worldwide.
- Integrate multiple load balance us to distribute the lots of the system.
- Create the master and slave database structure to reduce the overload of the database queries.
- Implement the backup mechanism for taking backup of code base and database on regular basis on different servers.