REPORT FOR VEHICLE MANAGEMENT SYSTEM

1 INTRODUCTION

1.1 Overview

The Vehicle Management System (VMS) is an application for the Automotive industry. It supports, in the area of Sales & Services, the business processes that you require as vehicle importer when dealing with your original equipment manufacturers (OEMs) and your dealers in new and used vehicle sales.

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 even heavy equipment to ensure they're utilized safely, efficiently and professionally, while making sure they're well maintained and high-performing.

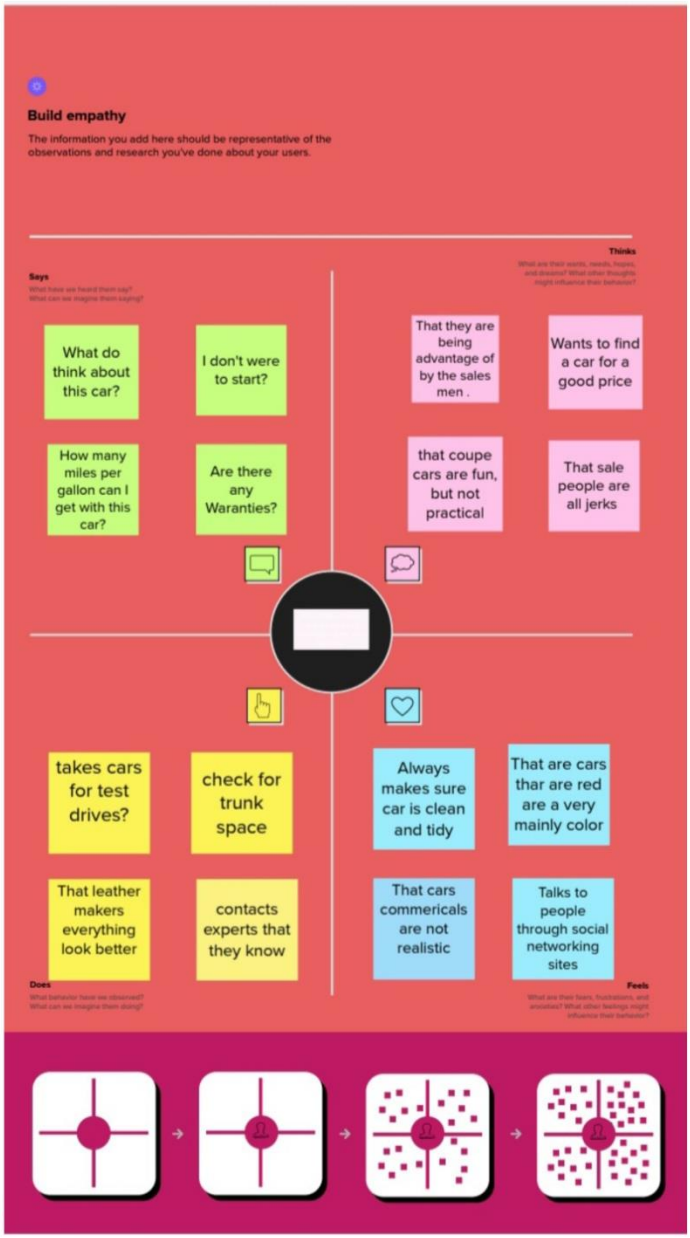
2 Problem Definition & Design Thinking

2.1 Empathy Map

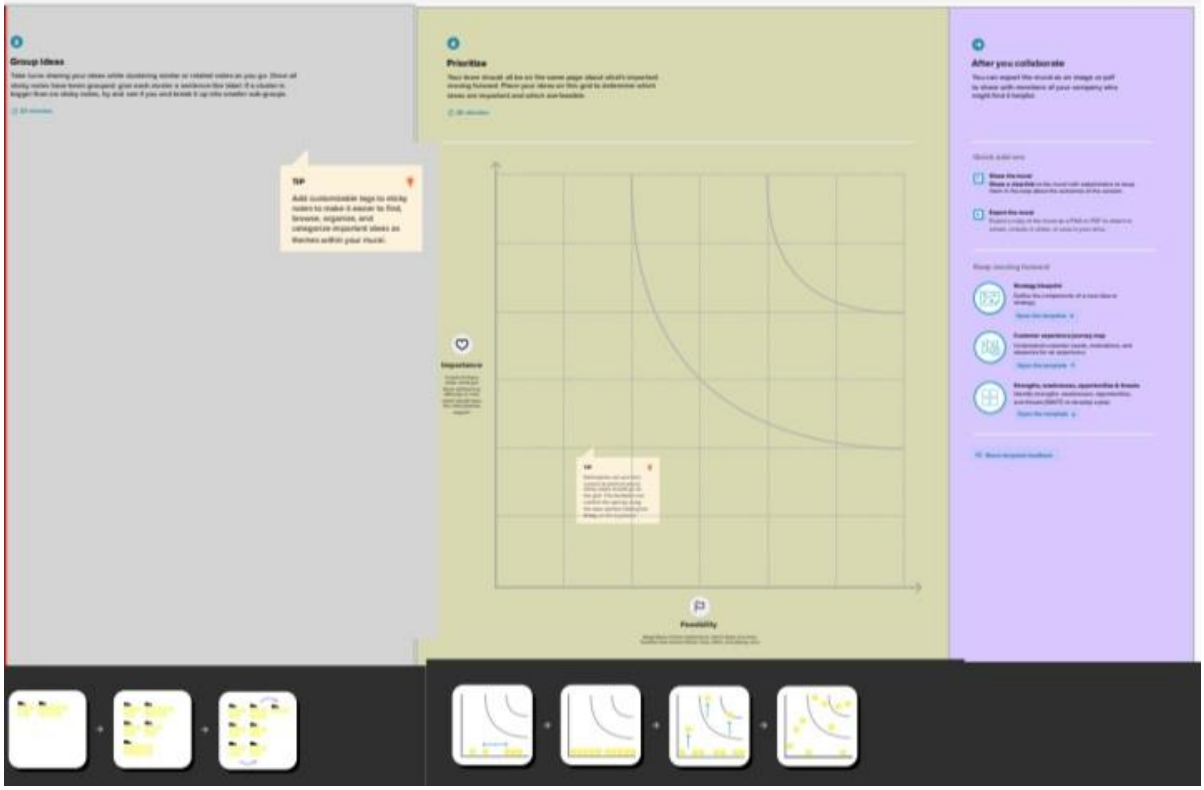
Template

Empathy map

Use this framework to develop a deep, shared understanding and empathy for other people. An empathy map helps describe the aspects of a user's experience, needs and pain points, to quickly understand your users' experience and mindset.



2.2 Ideation & Brainstorming



3 RESULT

3.1 Data Model:

<table>
<tr><th>Object Name</th><th>Fields in the Object</th></tr>
<tr><td>Vehicles object</td><td>
<table>
<tr><th>Field label</th><th>datatype</th></tr>
<tr><td>Customer Name</td><td>Text</td></tr>
<tr><td>Customer Mobile No</td><td>Number</td></tr>
<tr><td>Vehicle Type
i)2 wheeler
ii)4 wheeler</td><td>Picklist</td></tr>
<tr><td>Vehicle Name</td><td>Text</td></tr>
</table>
</td></tr>
<tr><td>Driver objects</td><td>
<table>
<tr><th>Field label</th><th>datatype</th></tr>
<tr><td>Driver Name</td><td>Text</td></tr>
<tr><td>Licence no</td><td>Text</td></tr>
<tr><td>Mobile no</td><td>Number</td></tr>
<tr><td>Fair Per Hour</td><td>Text</td></tr>
<tr><td>Vehicle</td><td>Lookup(Vehicle)</td></tr>
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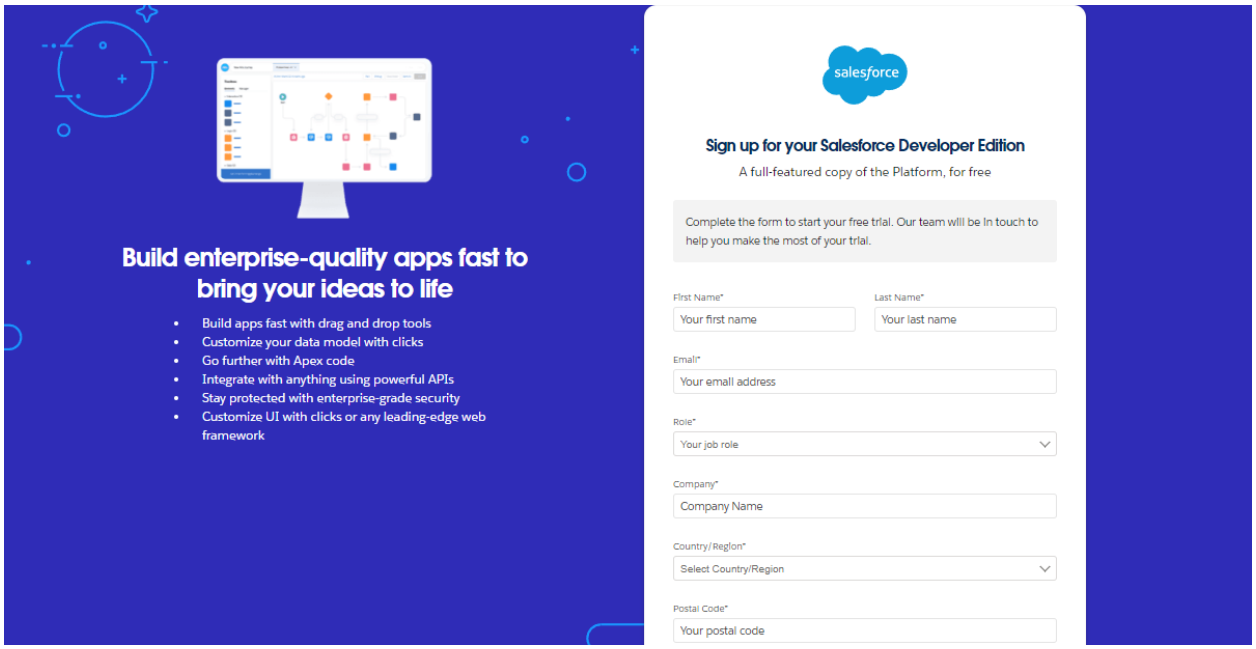
</table>

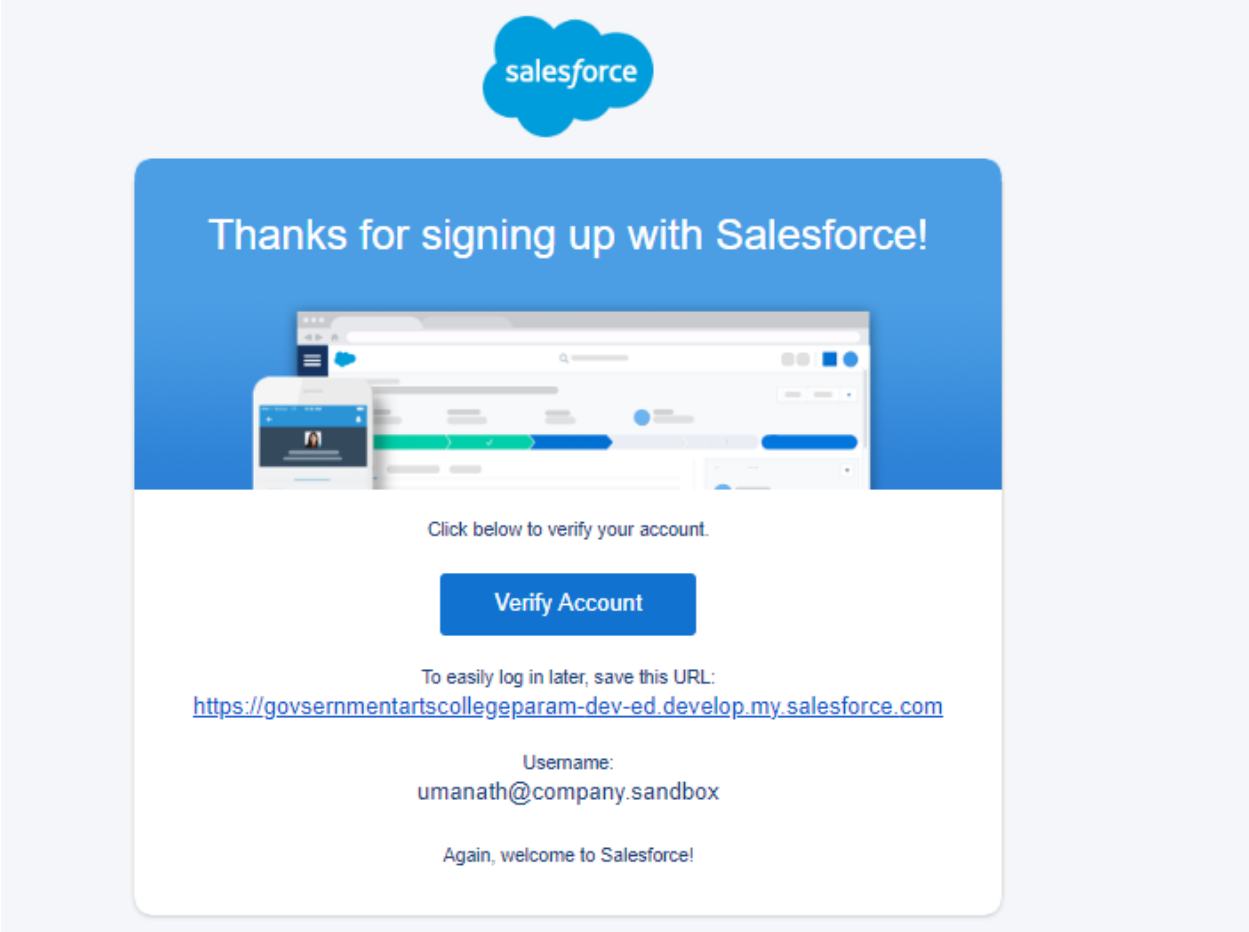
3.2 Activity & Screenshot

Milestone: 1

Activity 1: Creating Developer Account



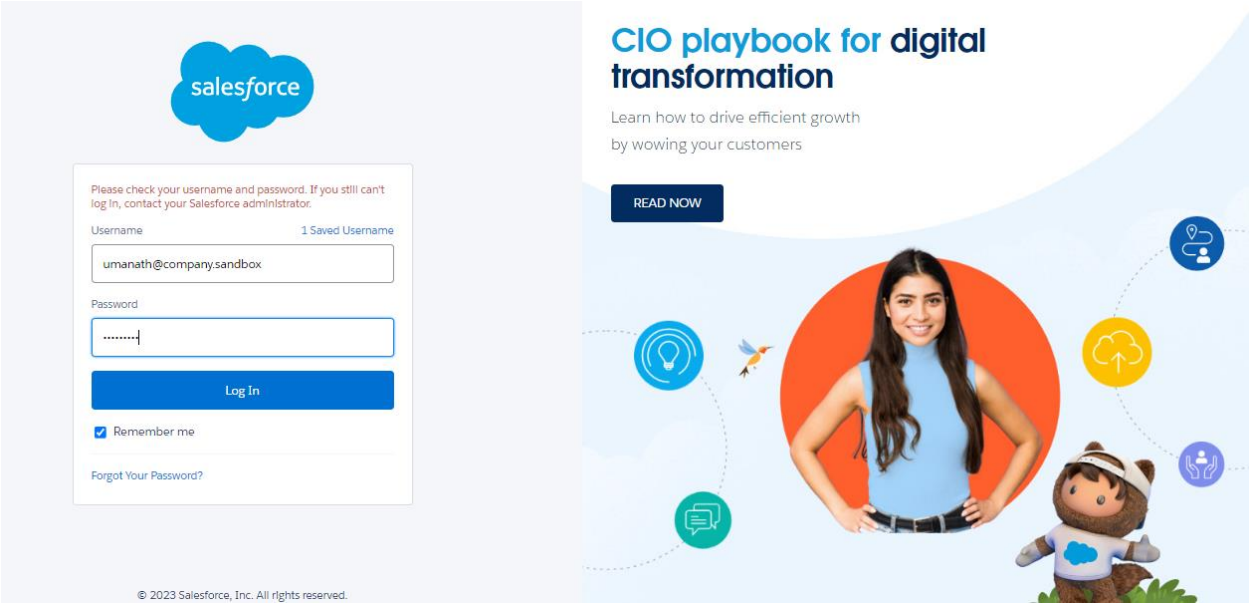
Account Activation



Login To Your Salesforce Account

Salesforce Login

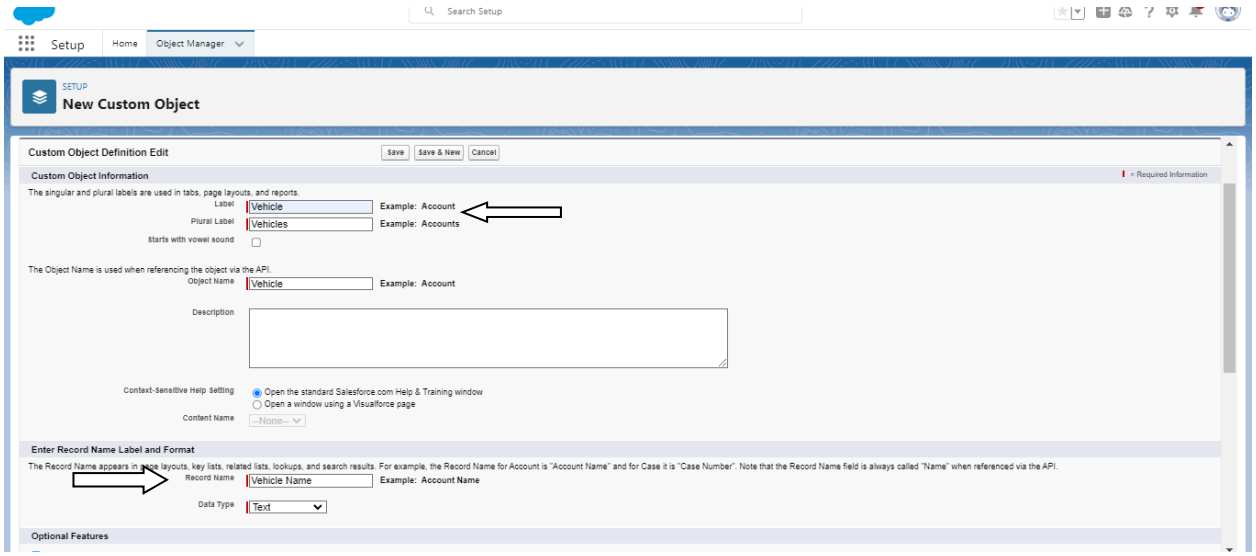
htttps://login.salesforce.com

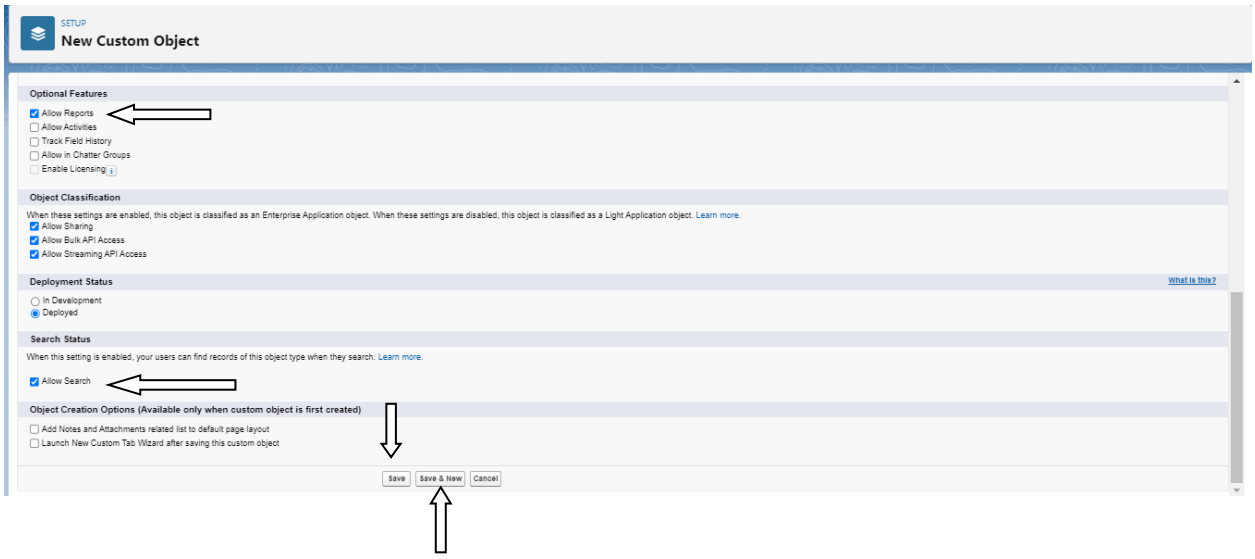


Milestone-2:Object

Activity 1:

To Create vehicle object:





Activity 2:

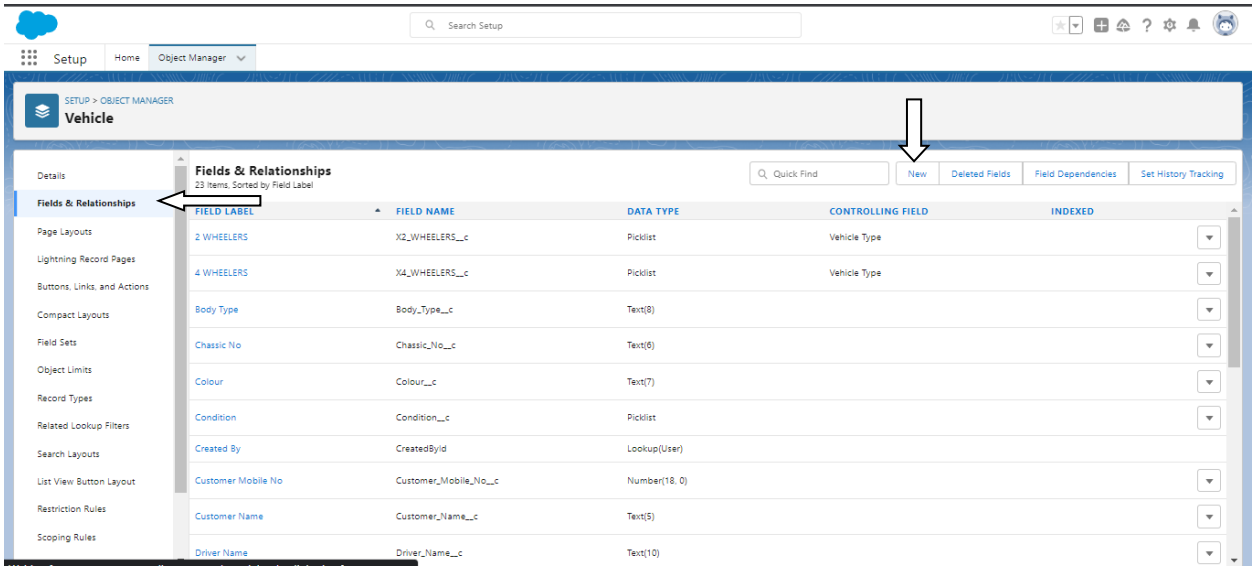
To create Driver object

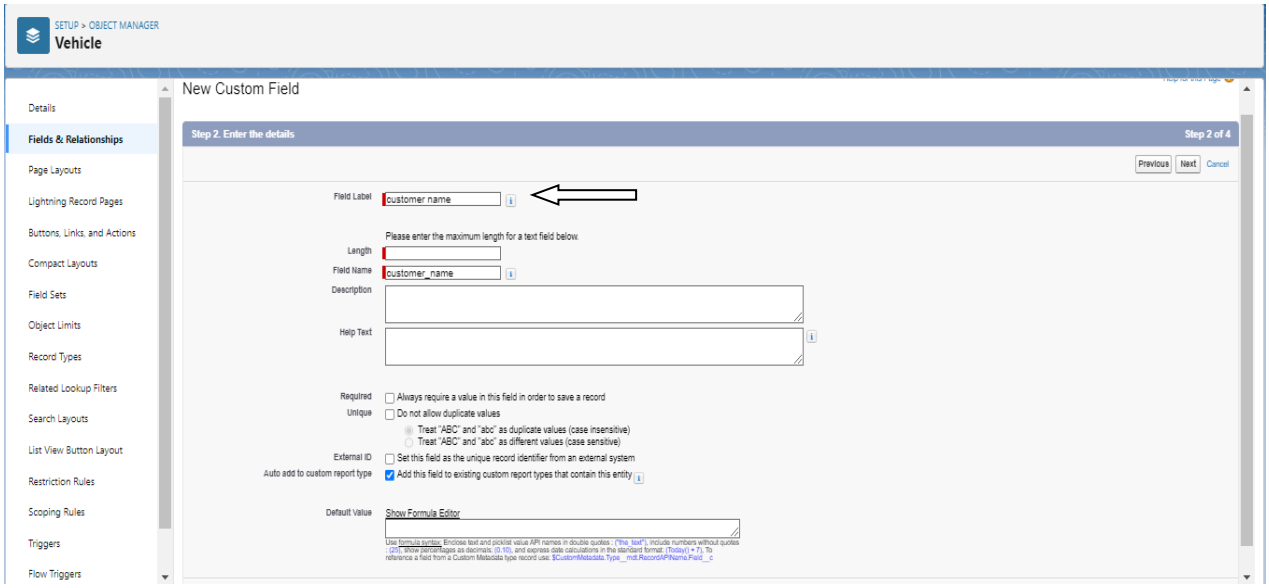
To Create a driver object continue the same steps Which is followed for the above object.

Milestone -3:Fields and Relationship

Activity-1 :

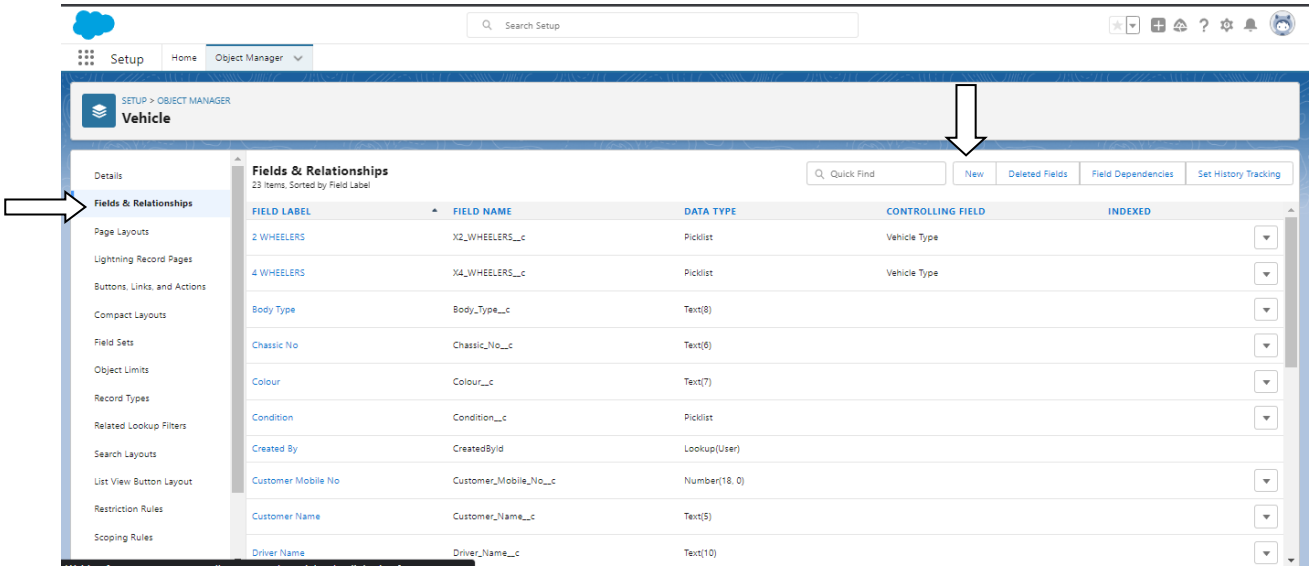
Creation of fields

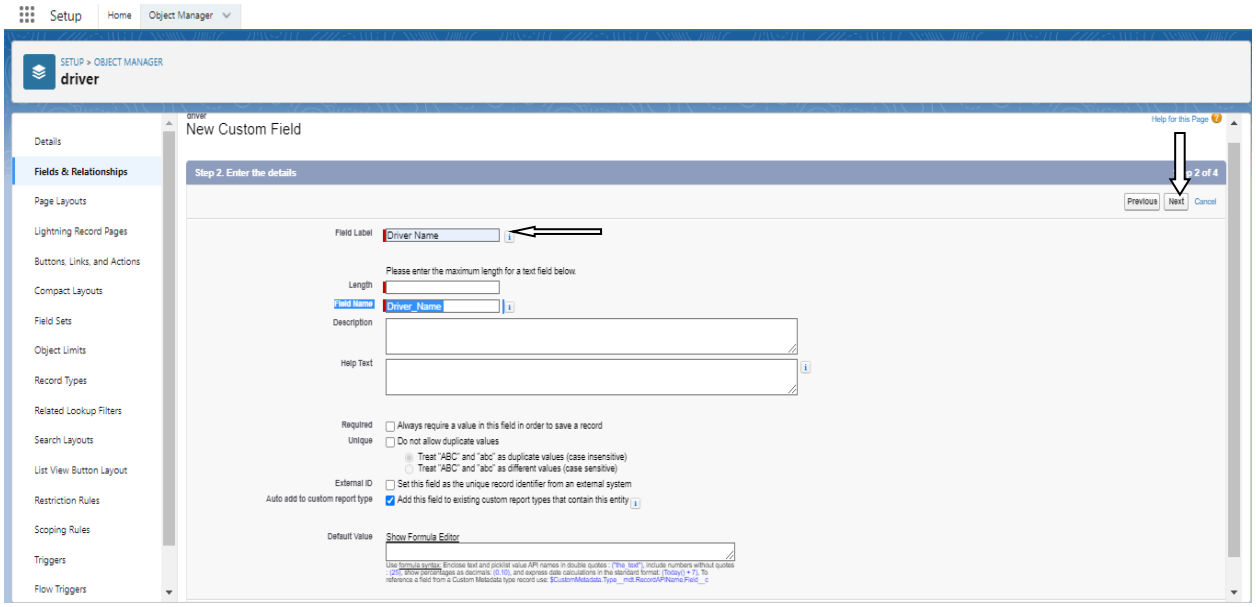




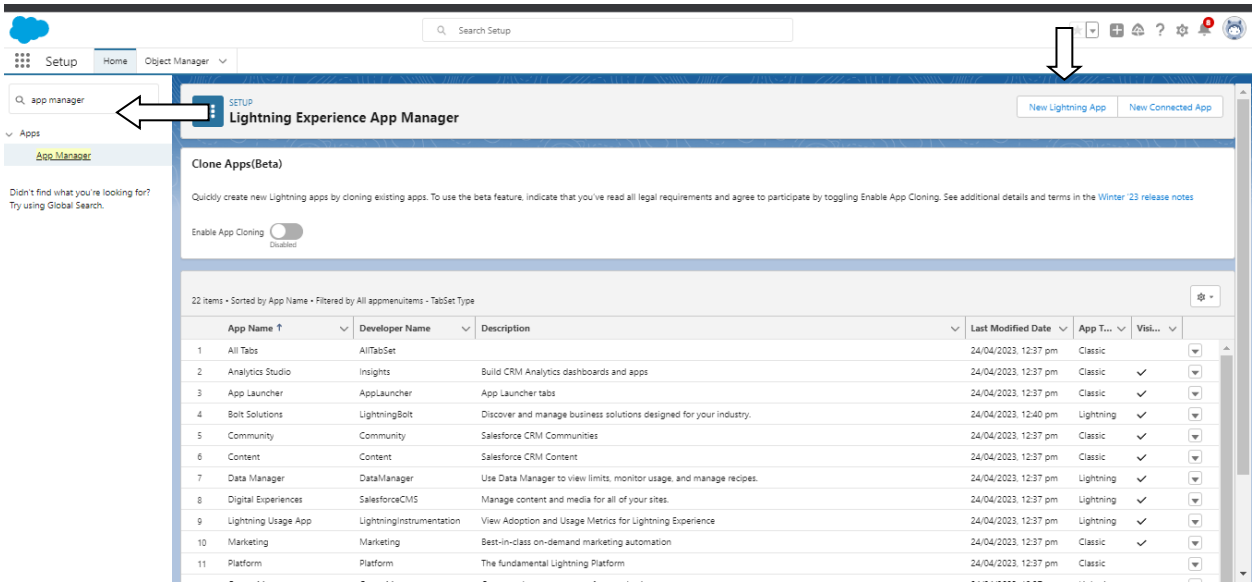
Activity-2:

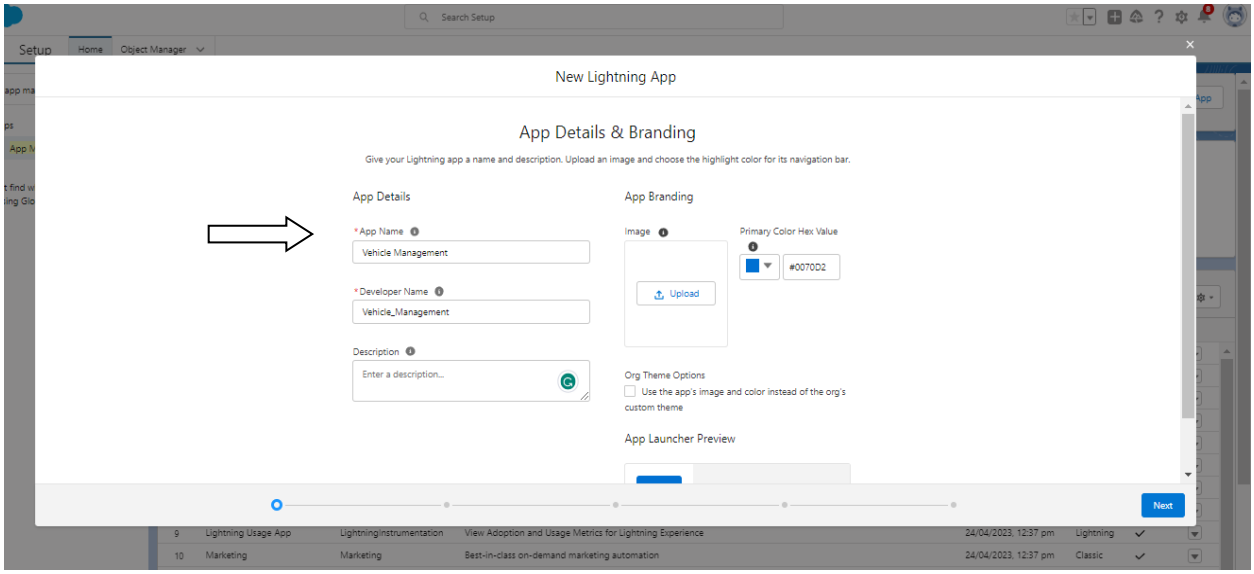
Fields In Driver Object:

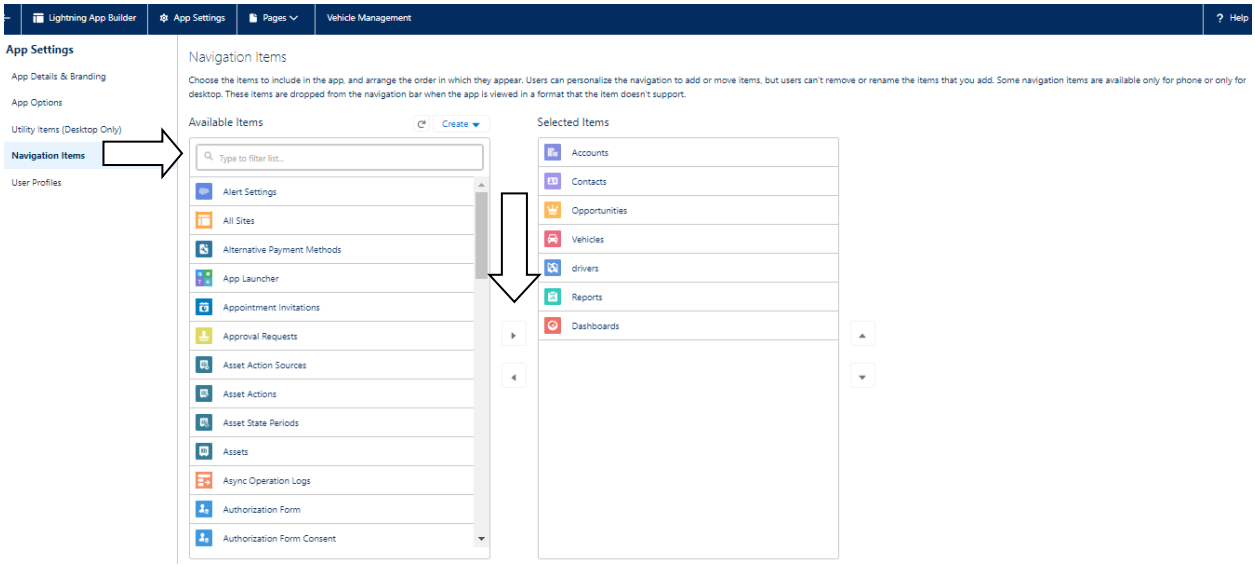


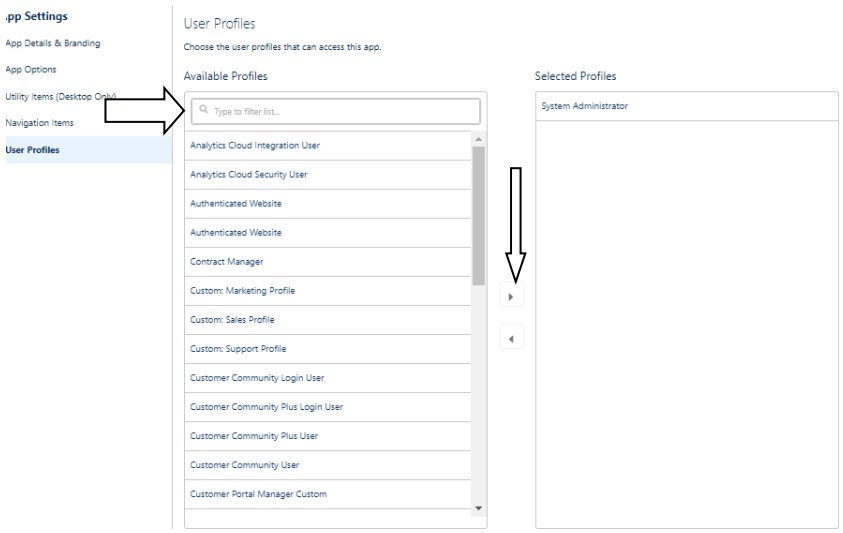


Milestone-4:Lightning App

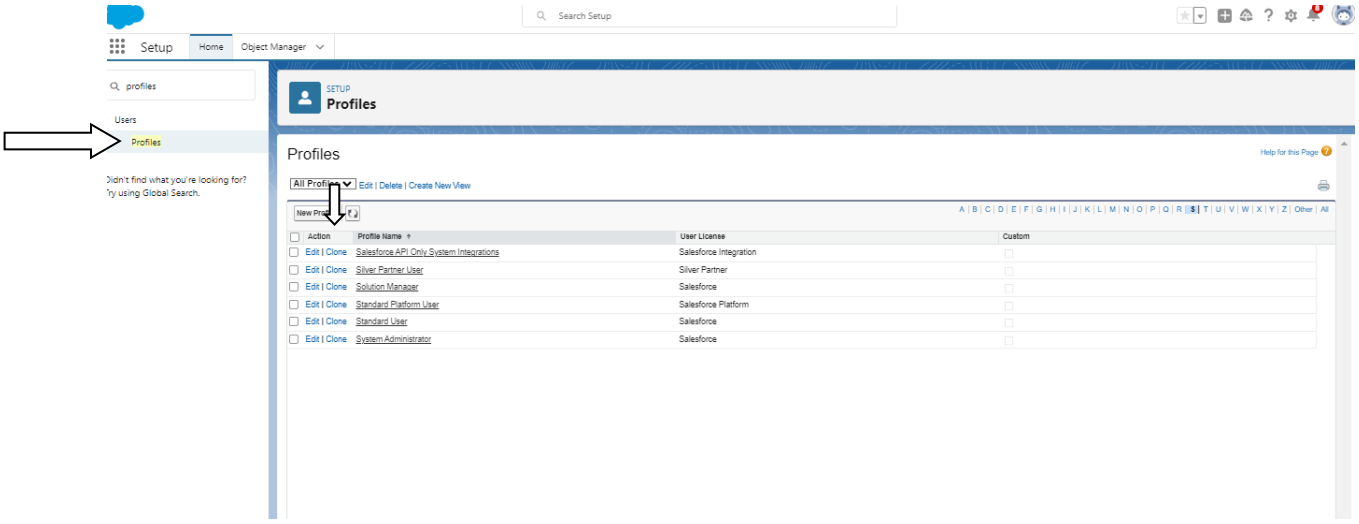


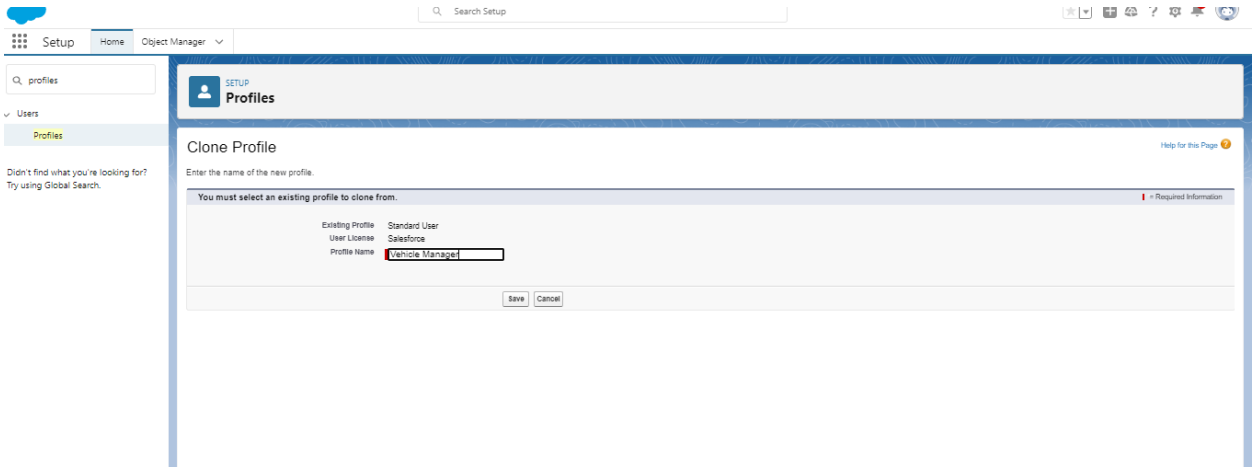

Search Setup
Setup
Home
Object Manager
New Lightning App
App Details & Branding
Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.
App Details
App Branding
*App Name
Vehicle Management
*Developer Name
Vehicle_Management
Description
Enter a description...
Image
Upload
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
Next
9 Lightning Usage App LightningInstrumentation View Adoption and Usage Metrics for Lightning Experience 24/04/2023, 12:37 pm Lightning
10 Marketing Marketing Best-in-class on-demand marketing automation 24/04/2023, 12:37 pm Classic

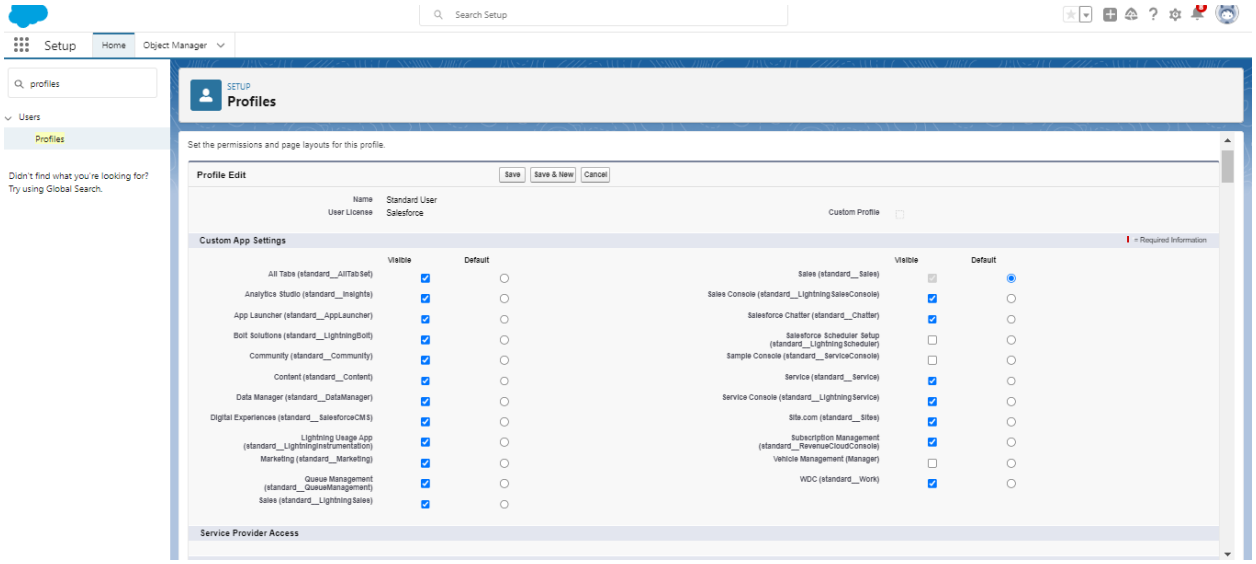

Lightning App Builder
App Settings
Pages
Vehicle Management
Help
App Settings
App Details & Branding
App Options
Utility Items (Desktop Only)
Navigation Items
User Profiles
Navigation Items
Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support.
Available Items
Create
Type to filter list...
Alert Settings
All Sites
Alternative Payment Methods
App Launcher
Appointment Invitations
Approval Requests
Asset Action Sources
Asset Actions
Asset State Periods
Assets
Async Operation Logs
Authorization Form
Authorization Form Consent
Selected Items
Accounts
Contacts
Opportunities
Vehicles
drivers
Reports
Dashboards



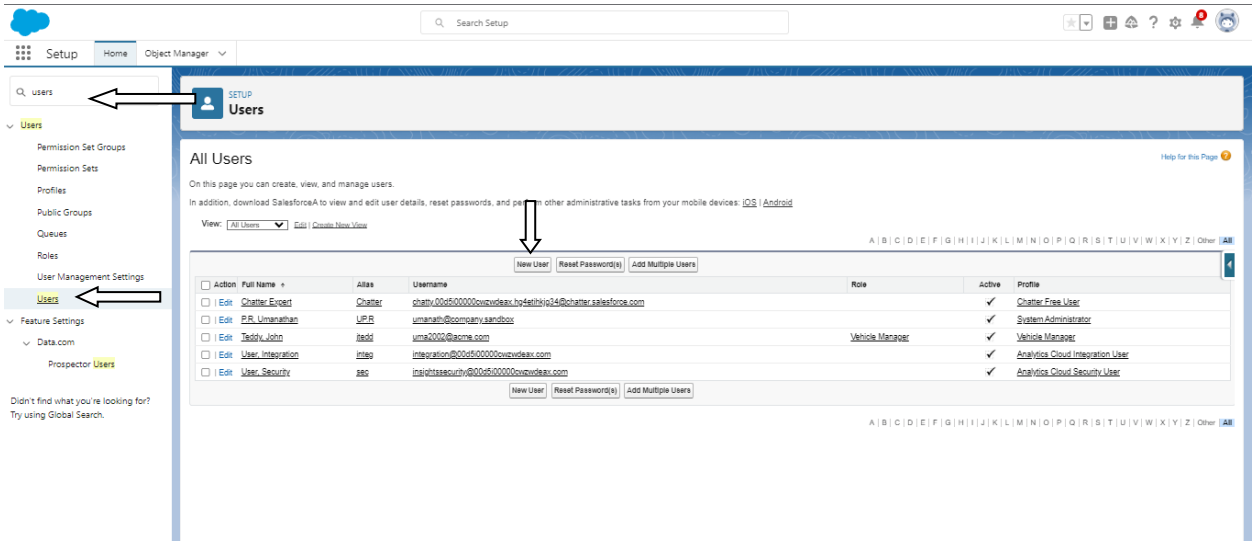
Milestone-5: Profile

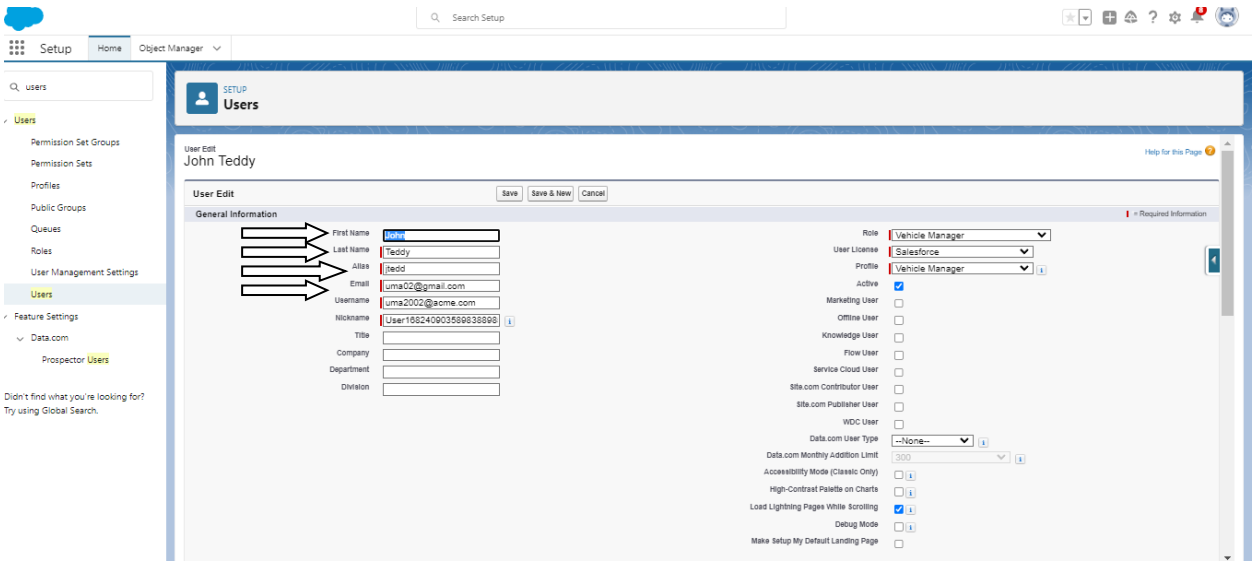






Milestone-6: Users

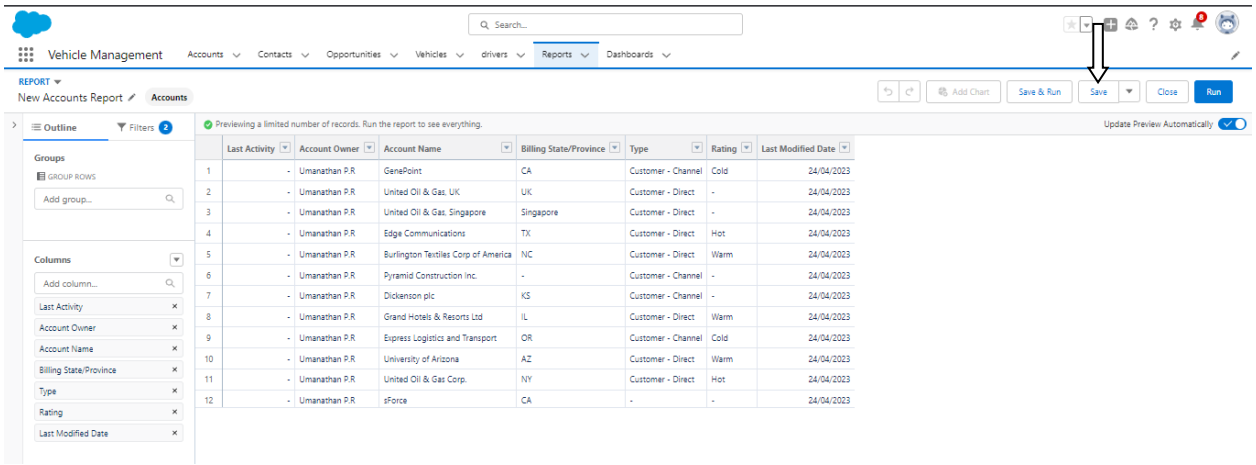


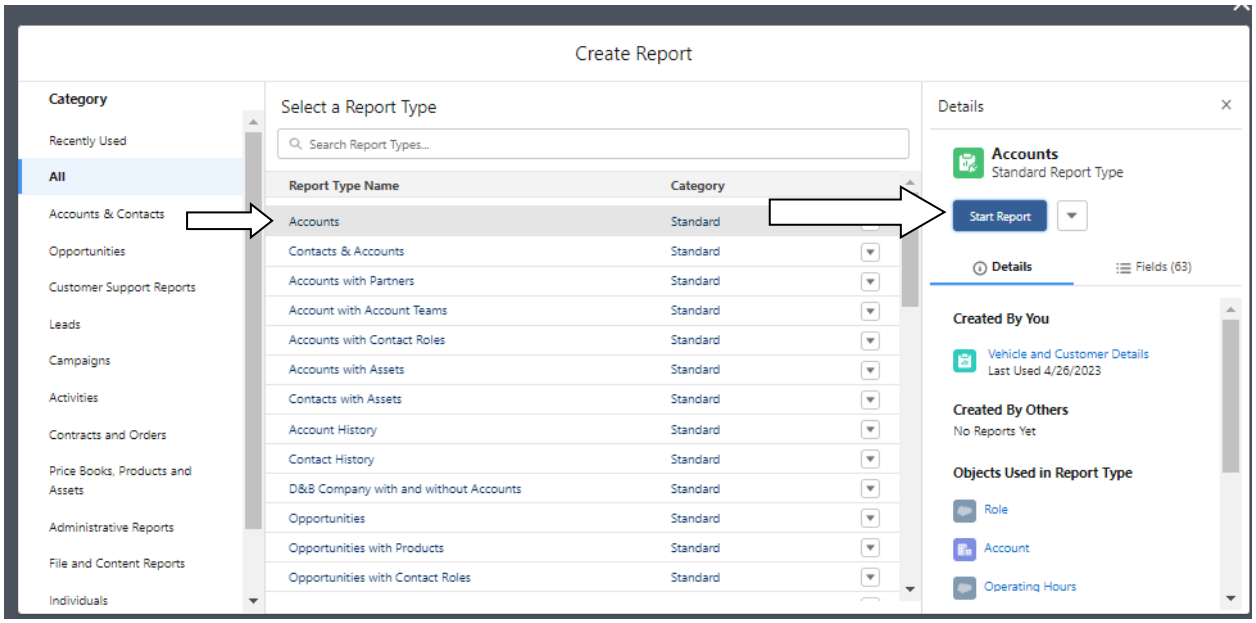


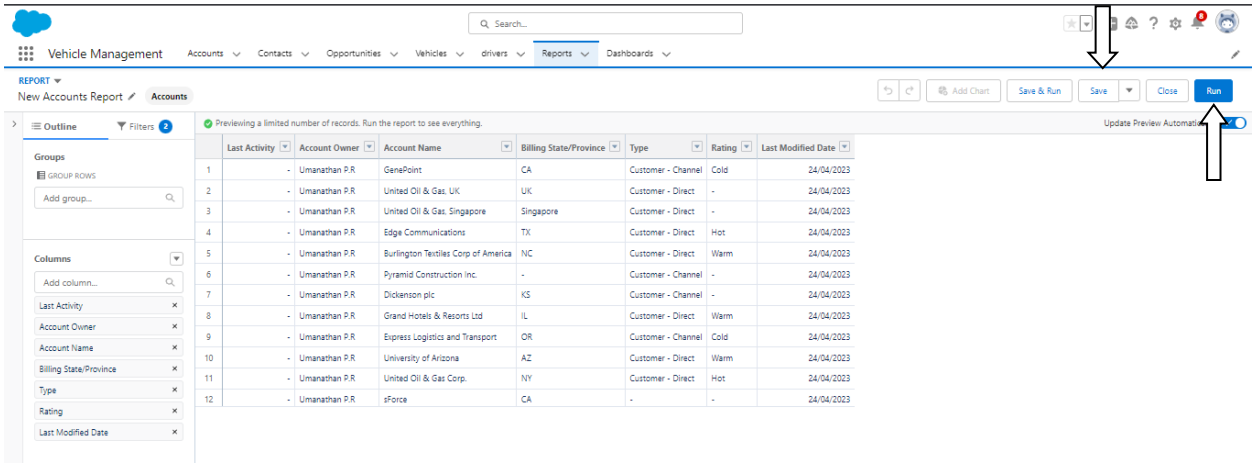
Milestone-7:Reports

Activity 1:

Reports And Dashboards.







4 Trailhead Profile Public URL

Team Member- https://trailblazer.me/id/umapr5

5 ADVANTAGES & DISADVANTAGE

➡It improves productivity by saving delivery time due to use of advance route information, traffic alerts etc.

➡It helps to reduce cost of fuel.

➡**It ensures safety of vehicles, drivers and goods. Active tracking based fleet management requires monthly subscription charges and data usage charges.**
➡**It is difficult to manage and maintain fleet management system due to use of multiple technologies such as cloud servers, cellular wireless systems, fleet management software etc.**

6 Applications

- **Improve fleet safety and working conditions**
- **Improve the behavior and performance of drivers and bear unsafe driving.**
- **Schedule shifts and work hours.**
- **Leverage driver retention.**
- **Schedule routine maintenance.**

7 CONCLUSION

Our project is only a humble venture to satisfy the needs to manage their project work. This package shall prove to be a powerful package in satisfying all the requirements of the College. The objective of software planning is to provide a 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.

8 FUTURE SCOPE

Vehicle Management System is a windows application 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 passengers.