

VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

Project Based Experiential Learning Program

1) INTRODUCTION:

1.1)Overview

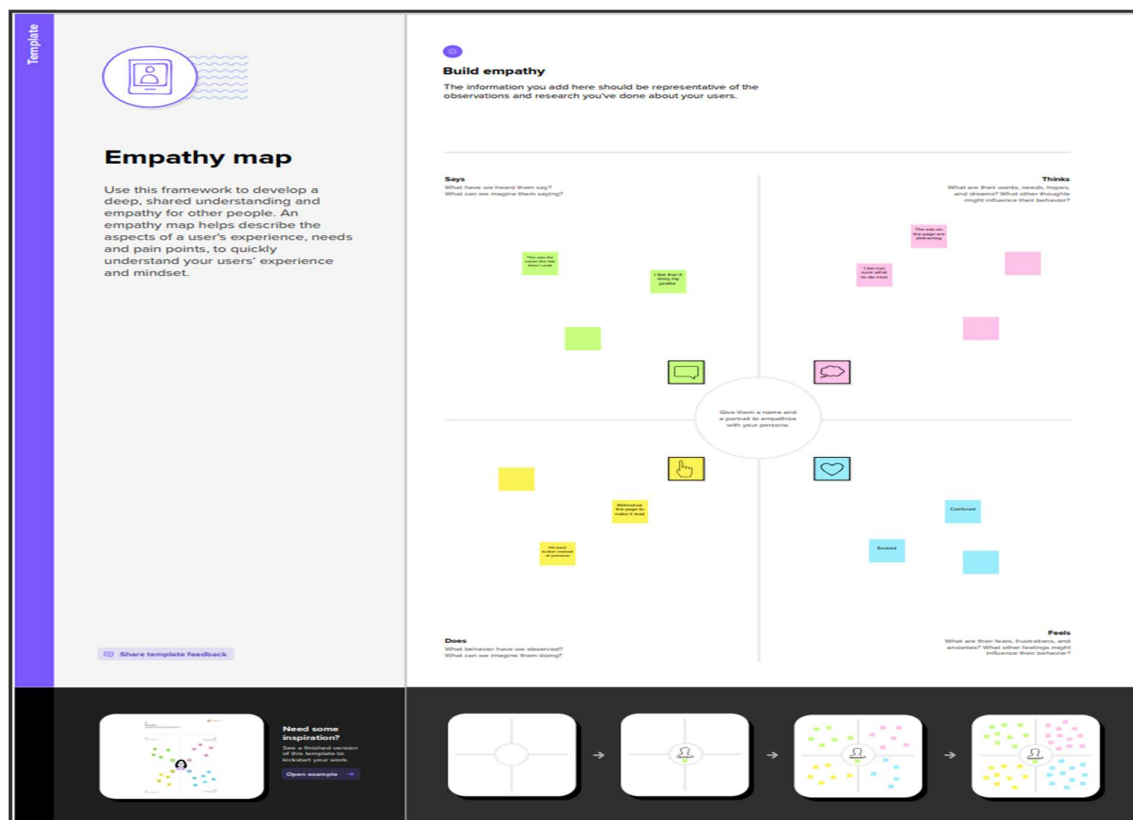
Vehicle Management is an application where a customer Details are stored in order to choose cars,bikes and commercial vehicles for travel with in the city.The data which is stored here is further used to remind them if any offers are provided during the seasons and any updates regarding vehicles are sent to them in the form of messages and mails.

1.2)Purpose

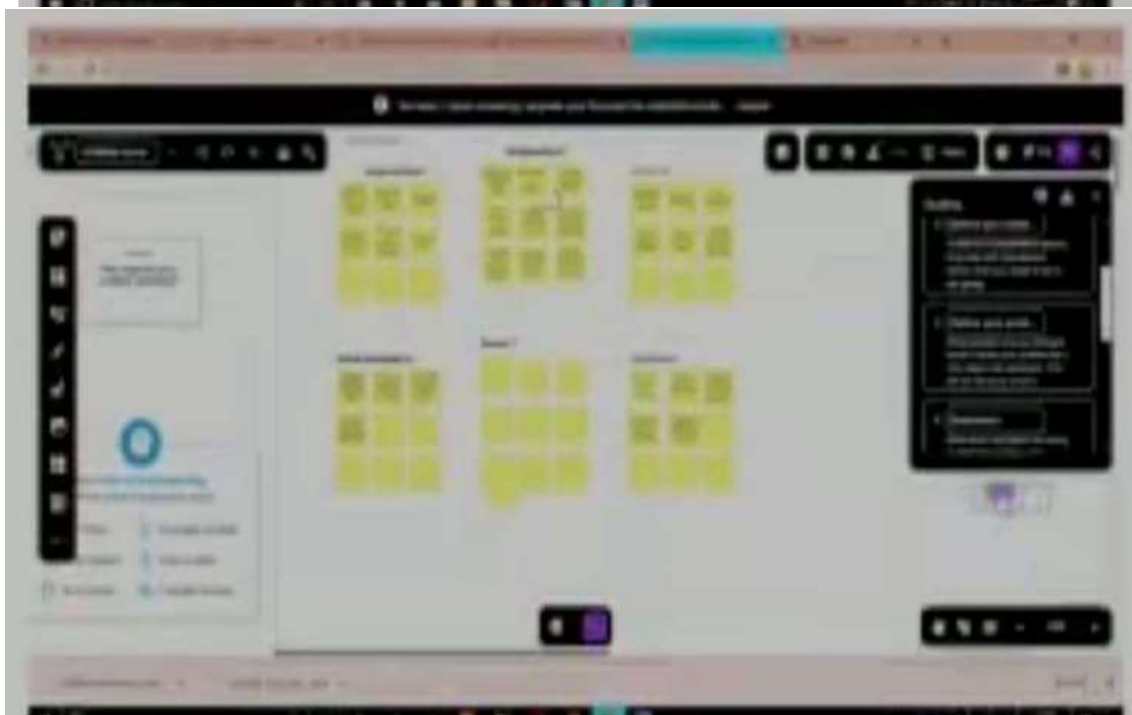
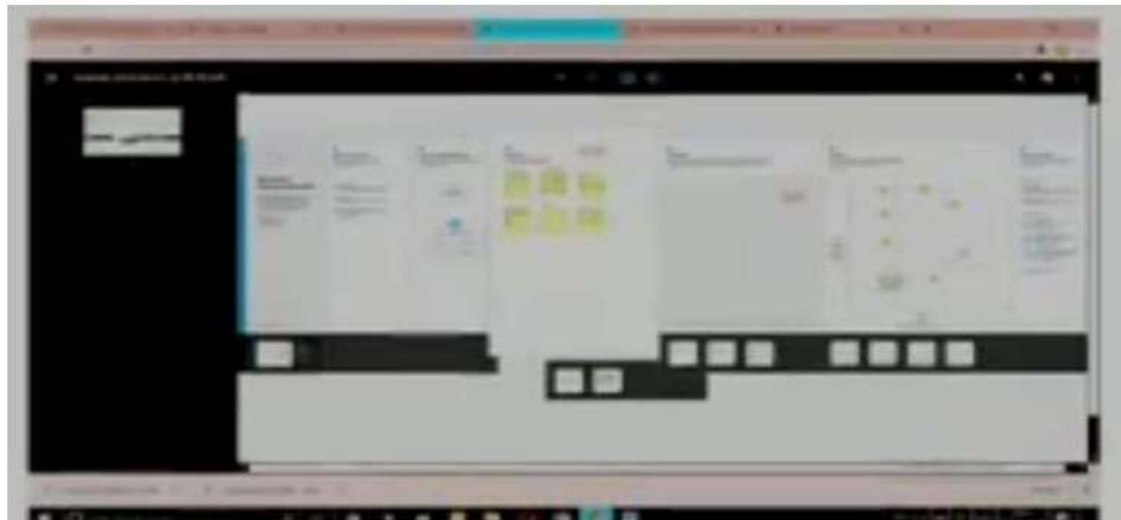
To create Vehicle Management is an application where a customer Details are stored in order to choose cars,bikes and commercial vehicles for travel with in the city.The data which is stored here is further used to remind them if any offers are provided during the seasons and any updates regarding vehicles are sent to them in the form of messages and mails.

2) PROBLEM DEFINITION & DESIGN THINKING:

2.1)Empathy Map



2.2)Ideation & Brainstorming Map



3) RESULT:

3.1)Data Model

Object1: Vehicle

S NO.	Field Names	Data Types
1.	Customer Name	Text
2	Customer Mobile No	Number
3	Vehicle Type i)2 wheeler ii)4 wheeler	Picklist
4.	2WHEELERS i) HERO ii)HONDA iii)BAJAJ iv)ROYAL ENFIELD v)TVS vi)KINETIC vii)OLA viii)JAWA ix)SD x)BATTERY	Picklist
5	4WHEELERS i) RENAULT ii)SKODA iii) HONDA iv)HYUNDAI v)SUZUKI	Picklist

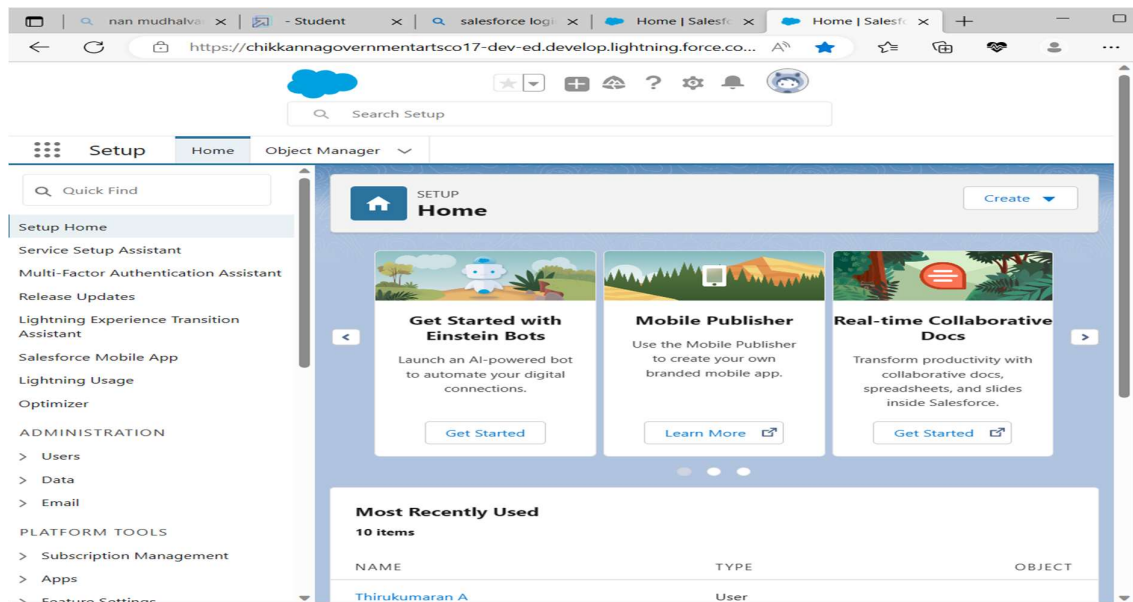
	vi)MAHINDRA vii)VOLKSWAGEN viii)BENZ ix)AUDI x)VOLVO	
6.	Vehicle Name	Text
7.	Vehicle No	Text
8.	Chassic No	Text
9.	Colour	Text
10.	Body Type	Text
11.	Vehicle Includes i)Fire Extenuation ii)First Aid Kit iii)Multi Charger kit iv)Stepney v)Stereo vi)Tool Kit vii)Tracking Device viii)Tyre Jack	Multi Picklist
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)

Object2: Driver

S No	Field	Data Type
1	Driver Name	Text
2	Licence No	Text
3	Mobile No	Number
4	Fair Per Hour	Text
5	Vehicle	Lookup(Vehicle)

3.2) Activity & Screenshot

Creation of Salesforce ORG



We have created a developer account for salesforce account. Salesforce is your customer success platform.

Our mail id and name are given to get developer account.

Create an Object

The screenshot shows the 'New Custom Object' page in the Salesforce Setup interface. The page is titled 'New Custom Object' and includes a 'Custom Object Definition Edit' section. The 'Custom Object Information' section contains fields for 'Label' (Vehicle), 'Plural Label' (Vehicles), 'Object Name' (Vehicle), and 'Description'. The 'Enter Record Name Label and Format' section includes a 'Record Name' field (Vehicle Name) and a 'Data Type' dropdown (Text). The 'Optional Features' section has checkboxes for 'Allow Reports', 'Allow Activities', 'Track Field History', 'Allow in Chatter Groups', and 'Enable Licensing'. The page also includes a 'Save' button and a 'Help for this Page' link.

The screenshot shows the 'New Custom Object Tab' page in the Salesforce Setup interface. The page is titled 'New Custom Object Tab' and includes a 'Step 1: Enter the Details' section. The 'Choose the custom object for this new custom tab' section contains a dropdown for 'Object' (Vehicle) and a 'Tab Style' dropdown (Standard). The 'Enter a short description' section includes a 'Description' field. The page also includes a 'Next' button and a 'Cancel' button.

The screenshot shows the 'New Custom Object Tab' page in the Salesforce Setup interface. The page is titled 'New Custom Object Tab' and includes a 'Step 1: Enter the Details' section. The 'Choose the custom object for this new custom tab' section contains a dropdown for 'Object' (Drive) and a 'Tab Style' dropdown (Motorcycle). The 'Enter a short description' section includes a 'Description' field. The page also includes a 'Next' button and a 'Cancel' button.

Creation of Objects for Vehicle Management, For this Vehicle Management we need to create 2 objects i.e Vehicles, Driver

Creation of Fields

The screenshot shows the Salesforce Setup interface for the 'Vehicle' object. The left sidebar lists various setup options, with 'Fields & Relationships' selected. The main area is titled 'New Custom Field' and 'Step 2. Enter the details'. The form includes fields for 'Field Label' (Customer Name), 'Length' (20), 'Field Name' (Customer_Name), and 'Description'. There are checkboxes for 'Required', 'Unique', 'External ID', and 'Auto add to custom report type'. A 'Show Formula Editor' button is also present.

The screenshot shows the Salesforce Setup interface for the 'Driver' object. The left sidebar lists various setup options, with 'Fields & Relationships' selected. The main area is titled 'New Custom Field' and 'Step 2. Enter the details'. The form includes fields for 'Field Label' (Driver Name), 'Length' (20), 'Field Name' (Driver_Name), and 'Description'. There are checkboxes for 'Required', 'Unique', 'External ID', and 'Auto add to custom report type'. A 'Show Formula Editor' button is also present.

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.

Fields in Driver Object

The screenshot shows the Salesforce Setup interface for the 'Vehicle' object. The 'Edit Field Dependency' page is open for the 'Vehicle Type' field, with the 'Dependent Field' set to '2 Wheeler'. The page displays instructions and a table of values for the '2 Wheeler' field. The table has two columns: 'Vehicle Type' and '2 Wheeler'. The 'Vehicle Type' column is currently set to '2 Wheeler'. The '2 Wheeler' column lists 10 vehicle brands: 1) HERO, 2) HONDA, 3) BAJAJ, 4) ROYAL ENFIELD, 5) TVS, 6) KINETIC, 7) CLX, 8) JAWA, 9) SD, and 10) BATTERY. The table is titled 'Showing Columns: 1 - 2 (of 2)'. The 'Include Values' button is highlighted.

The screenshot shows the Salesforce Setup interface for the 'Vehicle' object. The 'Edit Field Dependency' page is open for the 'Vehicle Type' field, with the 'Dependent Field' set to '4 Wheeler'. The page displays instructions and a table of values for the '4 Wheeler' field. The table has two columns: 'Vehicle Type' and '4 Wheeler'. The 'Vehicle Type' column is currently set to '4 Wheeler'. The '4 Wheeler' column lists 10 vehicle brands: 1) RENAULT, 2) SKODA, 3) HONDA, 4) HYUNDAI, 5) SUZUKI, 6) MAHINDRA, 7) VOLKSWAGEN, 8) BENZ, 9) AUDI, and 10) VOLVO. The table is titled 'Showing Columns: 1 - 2 (of 2)'. The 'Include Values' button is highlighted.

Create a dependency between these two picklists, so that when a Vehicle type is selected, only respective 2Wheeler Brands are available in the 2Wheeler field, Similarly for 4 wheelers

Lightning App

Create the Vehicle Management Constraction App

Apps in Salesforce are a group of tabs that help the application function by working together as a unit. It has a name, a logo, and a particular set of tabs. The simplest app usually has just two tabs.

New Lightning App

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

App Details

*App Name

*Developer Name

Description

App Branding

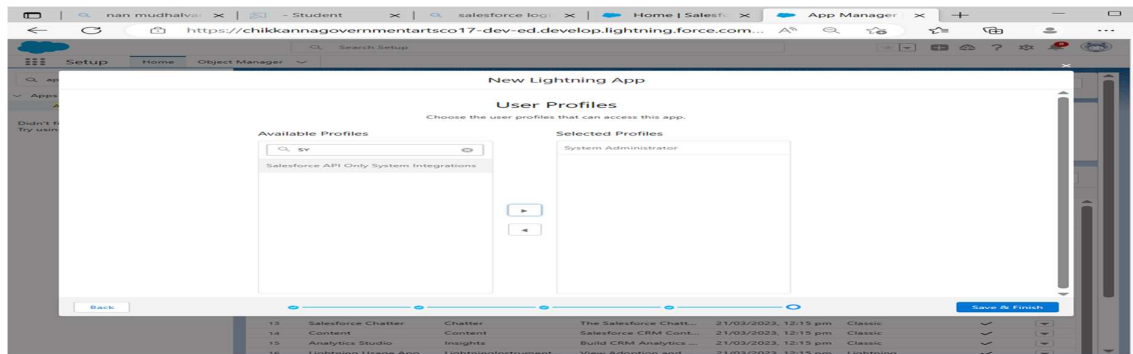
Image

Primary Color Hex Value

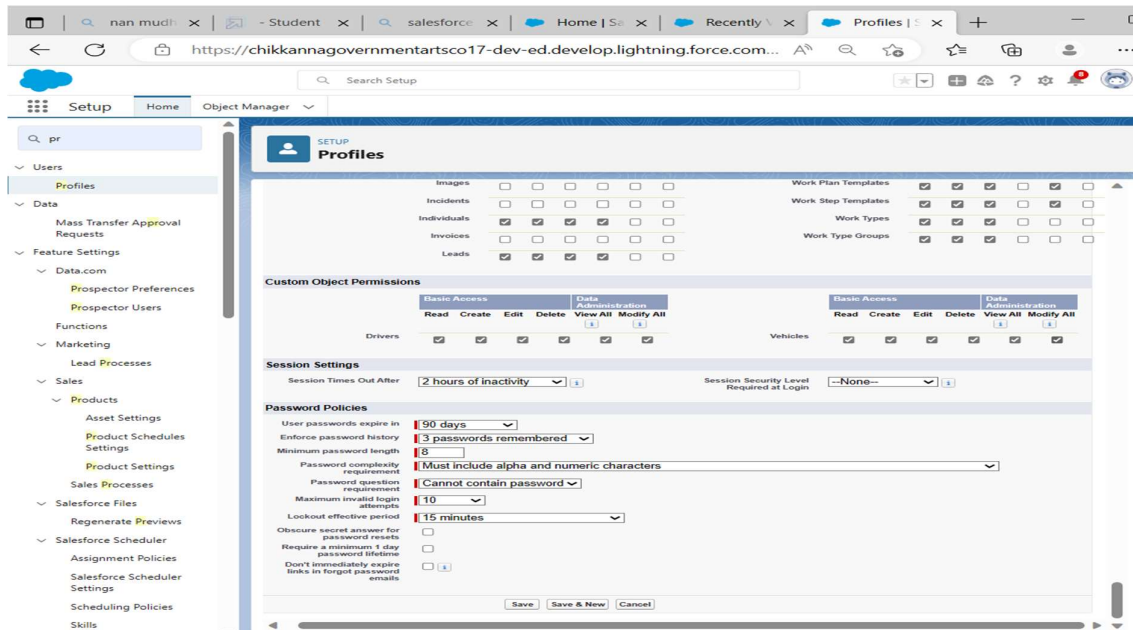
Org Theme Options
☐ Use the app's image and color instead of the org's custom theme

App Launcher Preview

Next

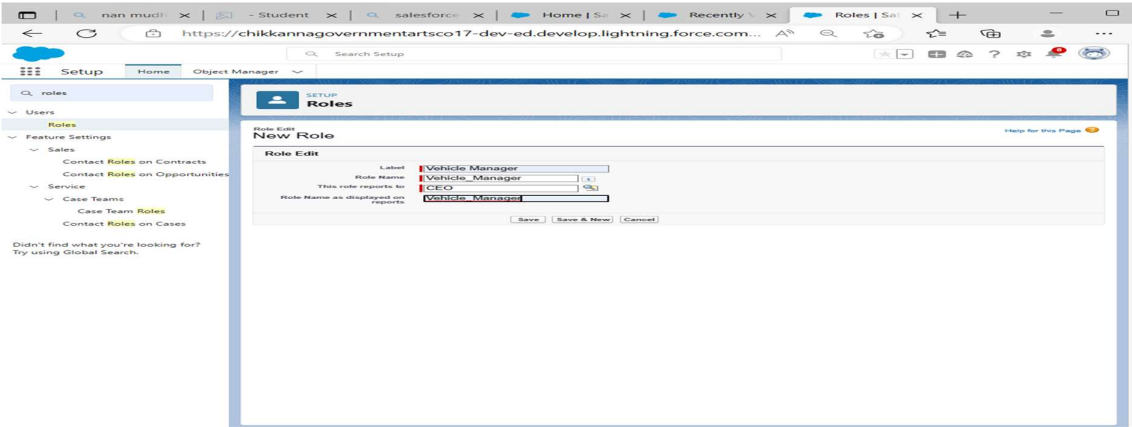


Creating a Profiles

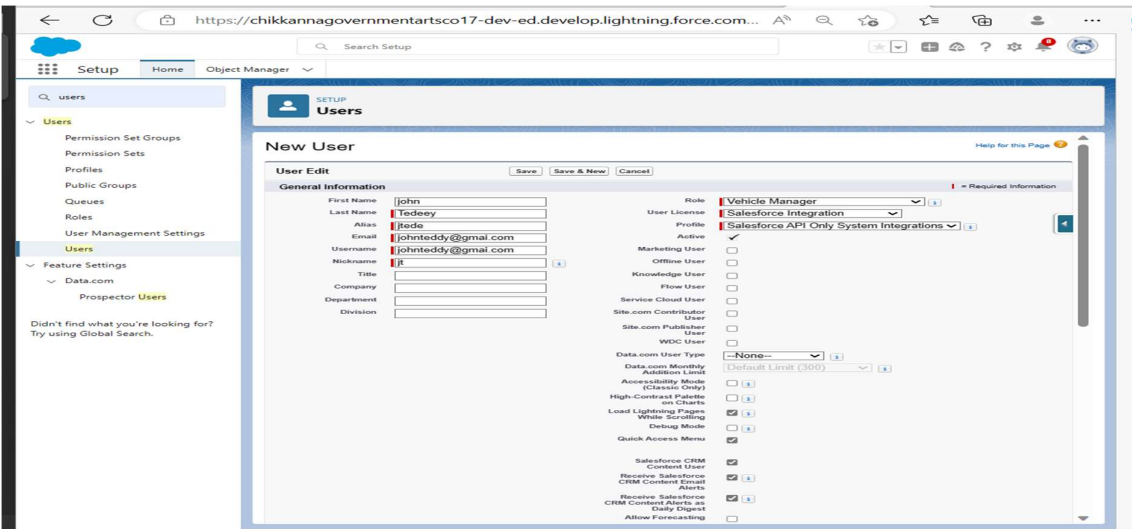


A profile is a group/collection of settings and permissions that define what a user can do in salesforce. A profile controls “Object permissions, Field permissions, User permissions, Tab settings, App settings, Apex class access, Visualforce page access, Page layouts, Record Types, Login hours & Login IP ranges

Setup Roles

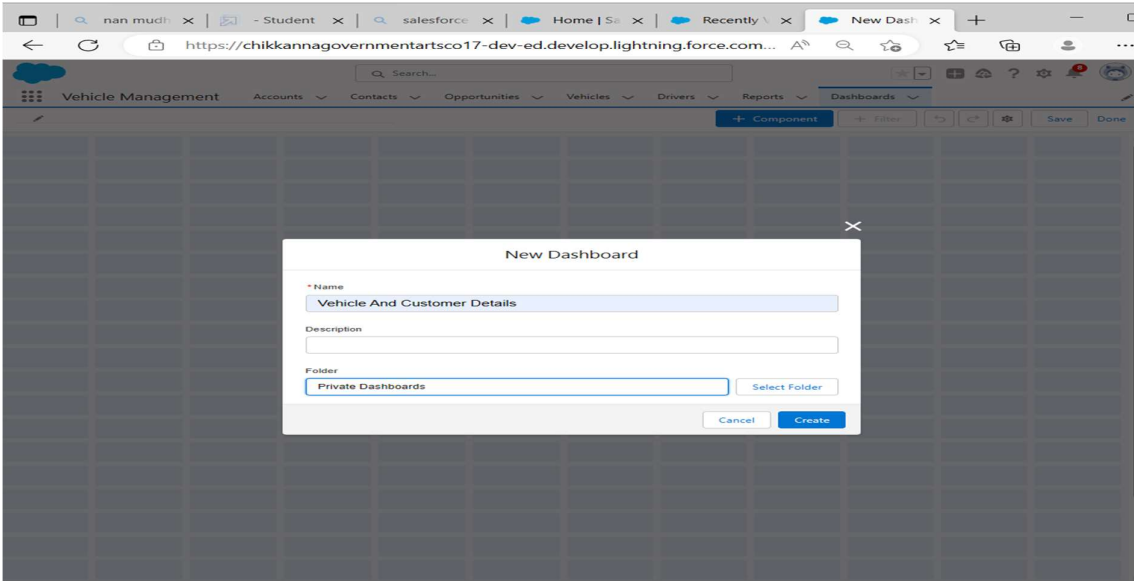
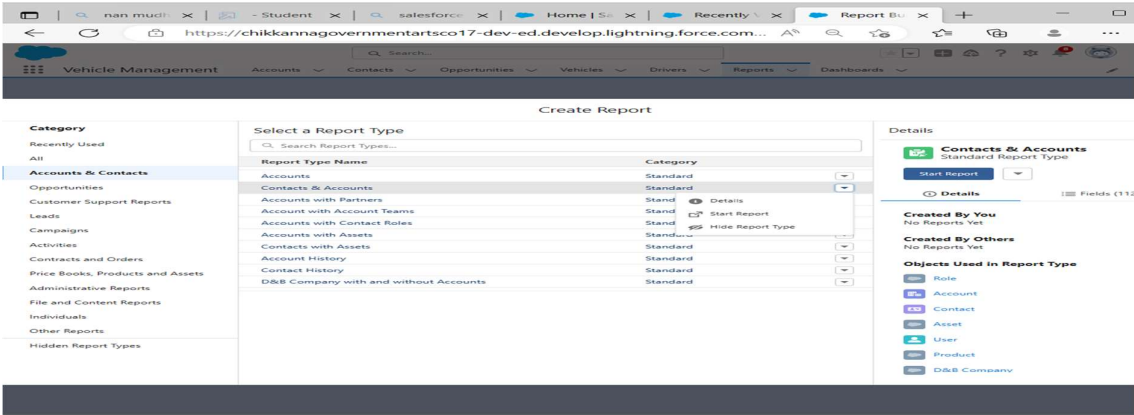


Creating a Users



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.

Reports and Dashboards



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.

4) Trailhead Profile Public URL

Team Leader : <https://trailblazer.me/id/thiru95>

Team member1: <https://trailblazer.me/id/gsekaran13>

Team member2: <https://trailblazer.me/id/aruns202>

Team member3: <https://trailblazer.me/id/vijat16>

5) ADVANTAGES & DISADVANTAGES

Advantages:

Vehicle Management is a simple and effective tool that makes a deep impact on the operations of LSPs.

Know the FABs of using Vehicle Management by WebXpress.

WebXpress is an IT and Solutions company that offers services in the domain of Logistics.

Founded in 2004 the company has a presence in India, Saudi Arabia, East Africa, and South Asia.

Our idea is to connect all stakeholders in supply chain and provide visibility

Disadvantages:

It is difficult track the occupancy

It is tedious to track the details of cabs provided by third party

There is difficulty to track the approvals of requests

No co-ordination between various departments

6) Applications :

- To manage the best reporting system
- To trace all over regular and irregular expenses.
- To apply an organized inventory management system with regular income and expenses.
- To have an automatic stock register.
- To get an easy traceable stock and product system
- Expense reports are particular and time frame based.
- Custom reports are also available based on user request.

7) Conclusion:

Efficiency in fleet operations relies on utilising vehicle management software in daily operations. With a fleet management system, a manager can monitor daily operations from the routes, vehicle status and health to fuel costs and driver performance.

8) Future Scope:

This software eliminates manual labor and any associated issues. It is a simple approach to learning more about the many products that are available at supermarkets. Well my team and I have been working hard to provide a website that is better than the current one in terms of information on the different activities. However, we discovered that the job might be carried out more effectively.

The company, product id, product name, and the number of quantities available are the only information that is often provided when we seek information on a certain product. After receiving the information, we may reach the product firm's website by simply clicking on the name of the product. The option for searching is the next improvement we can make. From this website, we may easily search for a certain product firm. These two improvements are the best we can come up with for now