

# VEHICLE MANAGEMENT SYSTEM

## INTRODUCTION:

### 1.1 Overview:

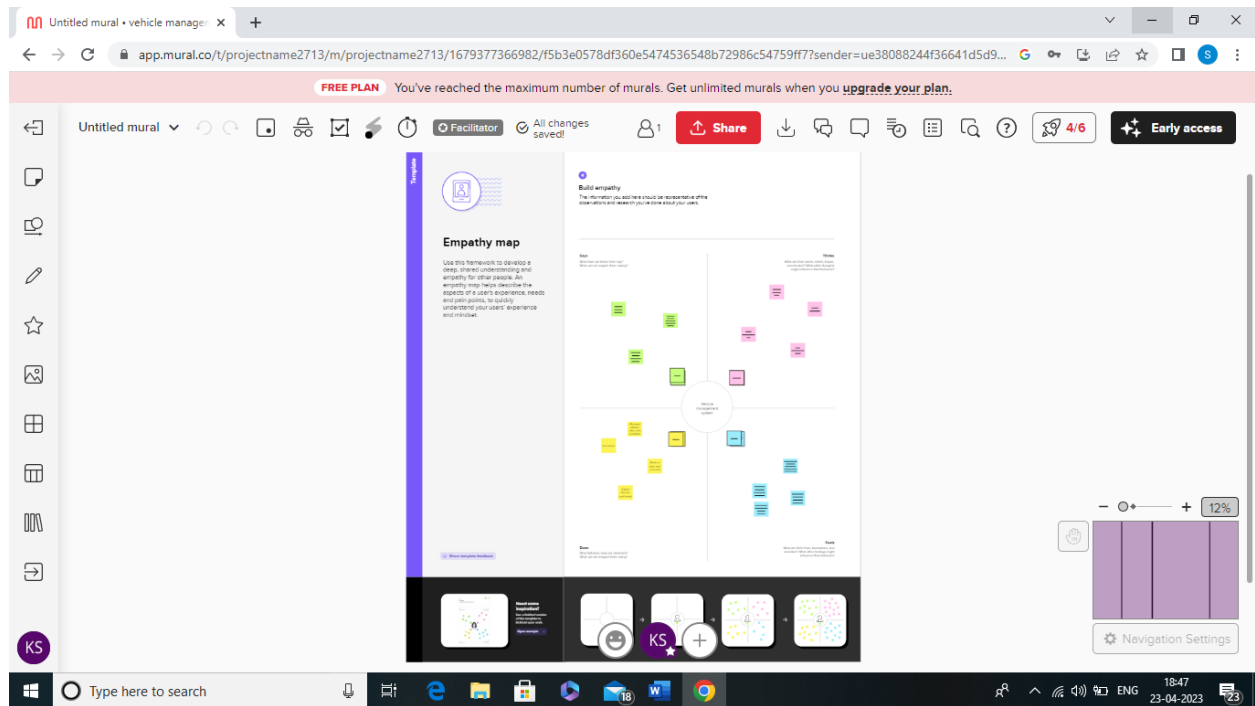
Vehicle fleet management is the process of overseeing all fleet maintenance and fleet operations to help increase the business's efficiency and minimize risk.

### 1.2 Purpose

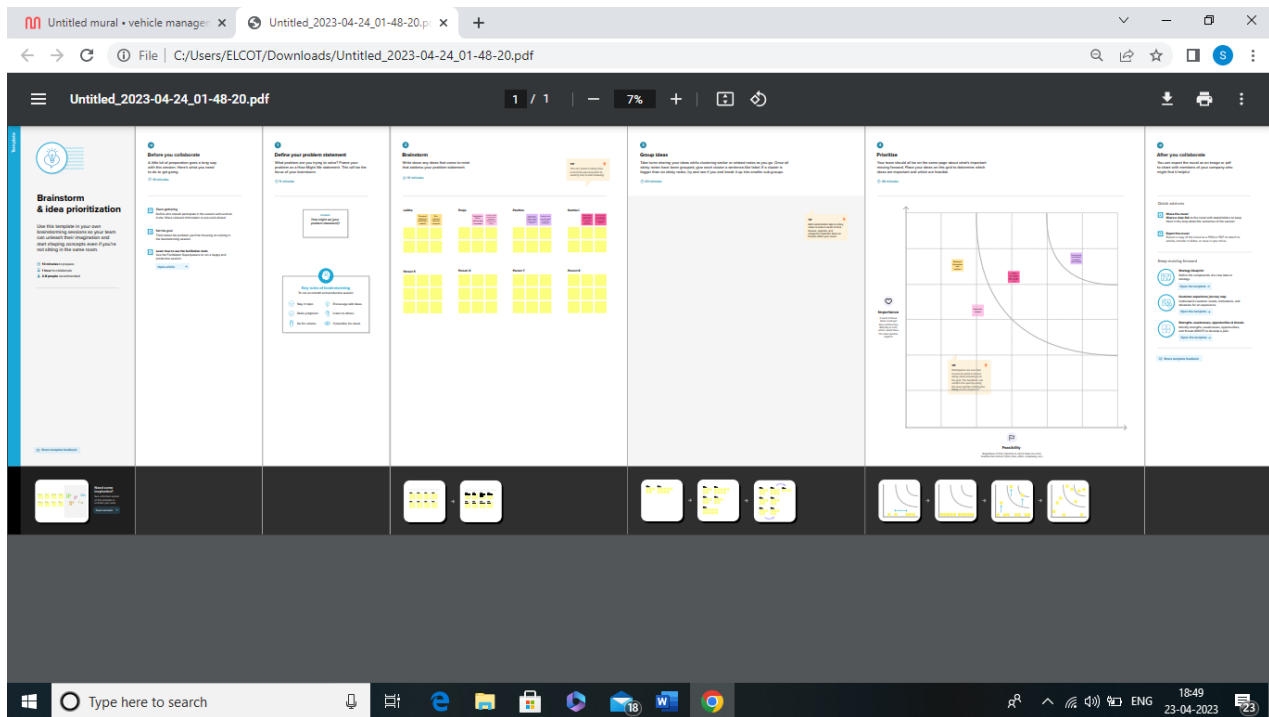
To ensure the use of vehicle supports the university business in an efficient.

## PROBLEM DEFINITION AND DESIGN THINKING:

### 2.1 Empathy Map



## 2.2 Ideation and Brainstorming Map



RESULT:

DATA MODULE:

Object 1

S no	Field names	Data types
1	Customer name	Text
2	Customer mobile number	Number
3	VEHICLE TYPE 2 wheeler 4 wheeler	Picklist
4	2 WHEELER Hero Honda Bajaj Royal Enfield TVS Kinetic OLA JAWA SD Battery	Picklist

5	4 WHEELERS Renault Skoda Honda Hyundai Suzuki Mahindra Volkswagen Benz Audi Volvo	Picklist
6	Vehicle name	Text
7	Vehicle number	Text
8	Chassic number	Text
9	Colour	Text
10	Body type	Text
11	VEHICLE INCLUDES Fire extenuation First aid kit Multi changer kit Stepney Stereo Tool kit Tracking device Tyre jack	Multi picklist
12	CONDITION Good medium least	Picklist
13	Mileage	Text
14	Seats	Number
15	Start date	Date/time
16	End date	Date / time
17	Opportunity	Lookup(opportunity)

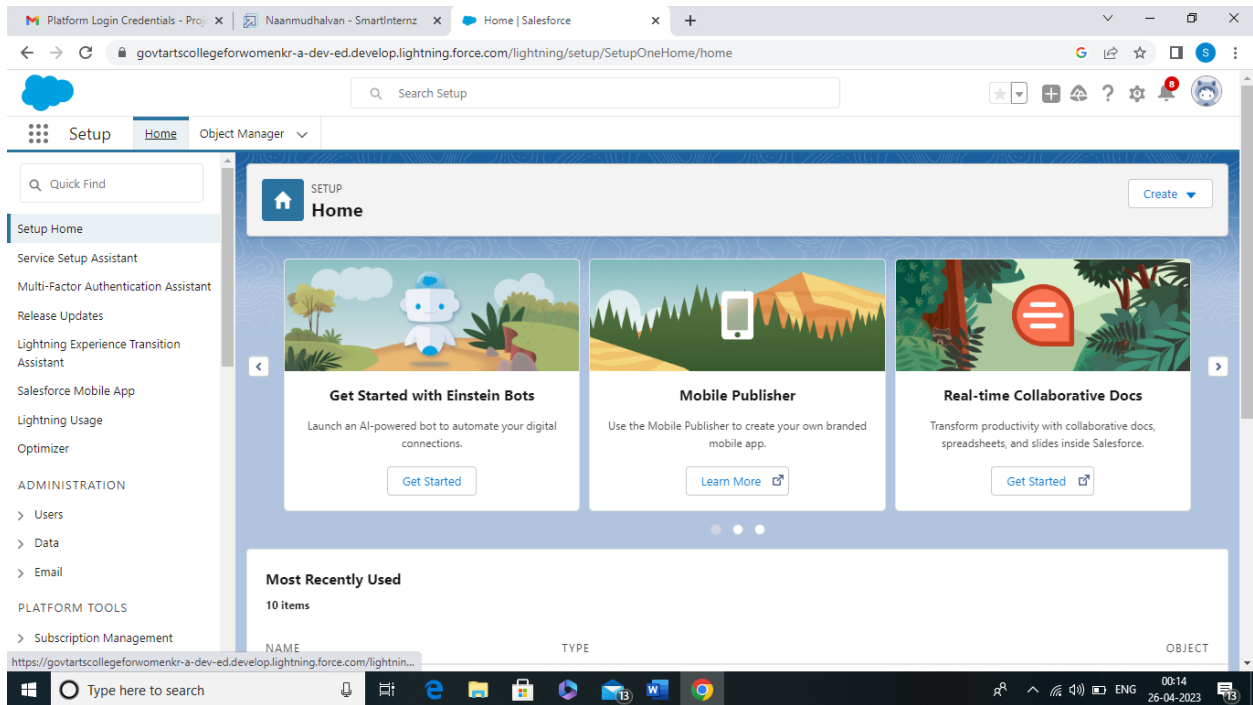
## Object 2

S no	Filed	Data type
1	Driver name	Text
2	Licence no	Text
3	Mobile no	Number
4	Air per hour	Text
5	Vehicle	Lookup(vehicle)

## ACTIVITY AND SCREENSHOT:

### Activity 1

#### Creating developer account



#### Milestone 2: object

#### Activity

The screenshot shows the Salesforce Setup interface for editing a custom object named "Driver". The left sidebar contains a navigation menu with options like Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules, Triggers, Flow Triggers, and Validation Rules. The main content area is titled "Edit Custom Object Driver" and includes a "Custom Object Definition Edit" section with buttons for "Save", "Save & New", and "Cancel". Below this is the "Custom Object Information" section, which contains fields for Label (Driver), Plural Label (Drivers), Starts with vowel sound (unchecked), Object Name (Driver), and Description. A note states: "The singular and plural labels are used in tabs, page layouts, and reports. Be careful when changing the name or label as it may affect existing integrations and merge templates." The bottom of the page has a "Context-Sensitive Help Setting" with two options: "Open the standard Salesforce.com Help & Training window" (selected) and "Open a window using a Visualforce page".

## Milestone-3

### Fields and Relationship

#### Activity

The screenshot shows the Salesforce Setup interface for the "Fields & Relationships" section of the "Driver" custom object. The left sidebar contains a navigation menu with options like Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled "Fields & Relationships" and includes a "Quick Find" search bar and buttons for "New", "Deleted Fields", "Field Dependencies", and "Set History Tracking". Below this is a table listing the fields and their relationships. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Created By (Lookup(User)), Driver Name (Text(20)), Driver Name (Text(80)), Fair Per Hour (Text(20)), Last Modified By (Lookup(User)), Licence No (Text(20)), Mobile No (Number(18, 0)), and Owner (Lookup(User, Group)).

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Driver Name	Driver_Name__c	Text(20)		
Driver Name	Name	Text(80)		✓
Fair Per Hour	Fair_Per_Hour__c	Text(20)		
Last Modified By	LastModifiedById	Lookup(User)		
Licence No	Licence_No__c	Text(20)		
Mobile No	Mobile_No__c	Number(18, 0)		
Owner	OwnerId	Lookup(User, Group)		✓

## Milestone-4

### Lightning App

## Activity

The screenshot shows the Salesforce Lightning Usage App interface. The top navigation bar includes the Lightning Usage App logo and a search bar. The left sidebar lists various activity categories: Lightning Experience, Salesforce Mobile, USAGE, Switches To Classic, Browser, Page, Active Licenses, SECURITY, and Login Metrics. The main content area displays the Lightning Usage Lightning Experience section, which includes a message about the Lightning Experience Rollout Specialist on Trailhead, a button to Run Salesforce Optimizer, and a Key Metrics section showing Monthly Active Users (1) and Daily Active Users (Yesterday). Below this, there is a section titled 'Find Out Why Users Switch Back to Salesforce Classic' with a link to the Switch to Salesforce Classic User Feedback Form.

## Milestone 5

## Profile

## Activity 1

The screenshot shows the Salesforce Setup Profiles page. The top navigation bar includes the Setup Profiles logo and a search bar. The left sidebar lists various setup categories: Setup, Home, Object Manager, and Users. The main content area displays the Profiles section, which includes a table of profiles and a 'New Profile' button. The table has columns for Action, Profile Name, User License, and Custom. The profiles listed are: Analytics Cloud Integration User, Analytics Cloud Security User, Authenticated Website, Chatter External User, Chatter Free User, Chatter Moderator User, Contract Manager, Cross Org Data Proxy User, Custom: Marketing Profile, and Custom: Sales Profile. The Custom: Marketing Profile and Custom: Sales Profile are marked as 'Custom'.

Action	Profile Name	User License	Custom
<input type="checkbox"/> Edit   Clone	Analytics Cloud Integration User	Analytics Cloud Integration User	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Analytics Cloud Security User	Analytics Cloud Security User	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Authenticated Website	Authenticated Website	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Authenticated Website	Authenticated Website	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Chatter External User	Chatter External	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Chatter Free User	Chatter Free	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Chatter Moderator User	Chatter Free	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Contract Manager	Salesforce	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Cross Org Data Proxy User	XOrg Proxy User	<input type="checkbox"/>
<input type="checkbox"/> Edit   Del   ...	Custom: Marketing Profile	Salesforce	<input checked="" type="checkbox"/>
<input type="checkbox"/> Edit   Del   ...	Custom: Sales Profile	Salesforce	<input checked="" type="checkbox"/>

## Milestone 6

### Users

### Activity

The screenshot shows the Salesforce Setup interface for managing users. The left sidebar contains a navigation menu with options like 'Setup', 'Home', 'Object Manager', 'Users', 'Permission Set Groups', 'Permission Sets', 'Profiles', 'Public Groups', 'Queues', 'Roles', 'User Management Settings', 'Feature Settings', 'Data.com', 'Prospector Users', 'User Interface', 'Action Link Templates', 'Actions & Recommendations', and 'App Menu'. The main content area is titled 'Active Users' and includes a search bar, a 'Search Setup' button, and a 'Help for this Page' link. Below the title, there is a description of the page's purpose and a link to download SalesforceA. A table of active users is displayed, with columns for Action, Full Name, Alias, Username, Role, Active, and Profile. The table lists five users: Chatter Expert, S. Kasthuri, Teddy John, User Integration, and User Security. Each user has an 'Edit' link and a checkbox. The table also includes buttons for 'New User', 'Reset Password(s)', and 'Add Multiple Users'.

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	Chatter Expert	Chatter	chattv00g2w00000rjzoveal.fni5o8m0fke@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit	S. Kasthuri	KS	kasthuri@college.com		✓	System Administrator
<input type="checkbox"/> Edit	Teddy John	tedd	sivachanran904@gmail.com	Vehicle Manager	✓	Vehicle Manager
<input type="checkbox"/> Edit	User Integration	integ	integration@00d2w00000rjzoveal.com		✓	Analytics Cloud Integration User
<input type="checkbox"/> Edit	User Security	sec	insightsecurity@00d2w00000rjzoveal.com		✓	Analytics Cloud Security User

## Milestone-7

### Reports

### Activity-1

Platform Login Credentials - Proj x Naanmudhalvan - SmartInternz x Lightning Usage | Salesforce x Reports | Salesforce x

govtartscollegeforwomenkr-a-dev-ed.develop.lightning.force.com/lightning/o/Report/home?queryScope=mru

Vehicle Manage... Accounts Contacts Opportunities Reports Dashboards vehicles Drivers

Reports  
Recent  
2 items

Search recent reports... New Report New Folder

REPORTS	Report Name	Description	Folder	Cre...	Created On	Subscribed
Recent	New Contacts & Accounts Report		Private Reports	Kasthuri S	5/4/2023, 4:16 pm	
Created by Me	New vehicles Report		Private Reports	Kasthuri S	5/4/2023, 4:26 pm	

Private Reports  
Public Reports  
All Reports

FOLDERS  
All Folders  
Created by Me  
Shared with Me

FAVORITES  
All Favorites

Type here to search

00:22 26-04-2023

## Activity-2

### Dashboard

Vehicle and Customer Details | So x

govtartscollegeforwomenkr-a-dev-ed.develop.lightning.force.com/lightning/r/Dashboard/01Z2w00000atExEAI/view

Vehicle Manage... Accounts Contacts Opportunities Reports Dashboards vehicles Drivers

Dashboard  
Vehicle and Customer Details  
Last refreshed 2 days ago. Refresh this dashboard to see the latest data.  
As of 21-Apr-2023, 12:05 pm Viewing as Kasthuri S

Refresh Edit Subscribe

New Contacts & Accounts Report

Record Count

Last Name

First Name

View Report (New Contacts & Accounts Report)

New vehicles Report

Sum of customer mobile number

vehicle: vehicle Name

View Report (New vehicles Report)

Type here to search

18:56 23-04-2023



#### TRAIL HEAD PROFILE PUBLIC URL:

Team lead

<https://trailblazer.me/id/kasts1>

Team member 1

<https://trailblazer.me/id/llalitha12>

Team member 2

<https://trailblazer.me/id/ppavithra38>

Team member 3

<https://trailblazer.me/id/poojg7>

[https://drive.google.com/file/d/172ZvWJXFLLXxFJL73h50g-CzB\\_aj58te/view?usp=drivesdk](https://drive.google.com/file/d/172ZvWJXFLLXxFJL73h50g-CzB_aj58te/view?usp=drivesdk)

#### ADVANTAGES AND DISADVANTAGES:

Whoever is starting a fleet business wants to know everything about this business before he takes off. And one of the primary questions that lay in front of him is what are the advantages and disadvantages of vehicle management.

#### APPLICATIONS:

Facility areas

#### CONCLUSION:

The proposed vehicle system combines a positioning hardware, a communications platform that can be used to monitor and track a commuter transport in real time.

#### FUTURE SCOPE:

This document applies to all stop for salary sacrifice vehicles and authorised budget units for facility department vehicles and fleet hire purpose.