



VEHICLE MANAGEMENT SYSTEM

By salesforce .

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 required as vehicle importer when dealing with your original equipment manufacturers and your dealers in new and used vehicle sales

1.2 Purpose

A Vehicle management system is a software system that serves commercial vehicles. Such as two wheelers and four wheelers like HERO, HONDA, TVS, MAHINDRA, SUZUKI, etc.,

They are utilized safely, efficiently.

The project can be used for buyers and sellers.

The project was used for many more angles like customers, Drivers.etc.,.

2 PROBLEM DEFINITION & DESIGN THINKING

2.1 Empathy Map



Reflect on the topic

Working silently and individually, have each person create a few sticky notes in all four quadrants below for about five minutes. With the remaining time, discuss notes in each quadrant.

What went well?

What should we keep doing?
What should we celebrate?
Where did we make progress?

we
introduce
new ideas

collaboratively
solve problems
on projects

Economical,
low

High
performance
engine



What went poorly?

Where did we have problems?
What was frustrating to us or others?
What held us back?

peer
relationships
structure

hotline
on
exchange

people think
low cost
equals low
performance

limited
edition of
albums



What ideas do you have?

What ideas do you have for future work together?
Where do you see opportunities to improve?
What has untapped potential?

duraf
breaks

auto multi
gear
system

light
weight
vehicle



How should we take action?

What do you believe we should do next?
What specific things should we change?
What should extend beyond this meeting?

minimum
carbon
emissions

high load
performance

new motor
improvement
in
response



2.2 Ideation and Brainstorming Map

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

TIP

You can select a sticky note and hit the pencil[switch to sketch] icon to start drawing!

Person 1

Light weight materials so easy to handle	Area of seat is large.	High engine power
Noise less Also pollution less	High mileage	Good pickup

Person 2

EMI offer availability	Try to get loan for both Two and four wheelers	Services and warranty (ifc apply)

Person 3

Get best offers	High efficiency	Economy

Person 4

	Manage customer returns	

Person 5

Body frame are improved	Many colors	Unique and advanced features

Person 6

Person 7

Person 8

RESULT

3.1 Data Model

Object 1 ; VEHICLE

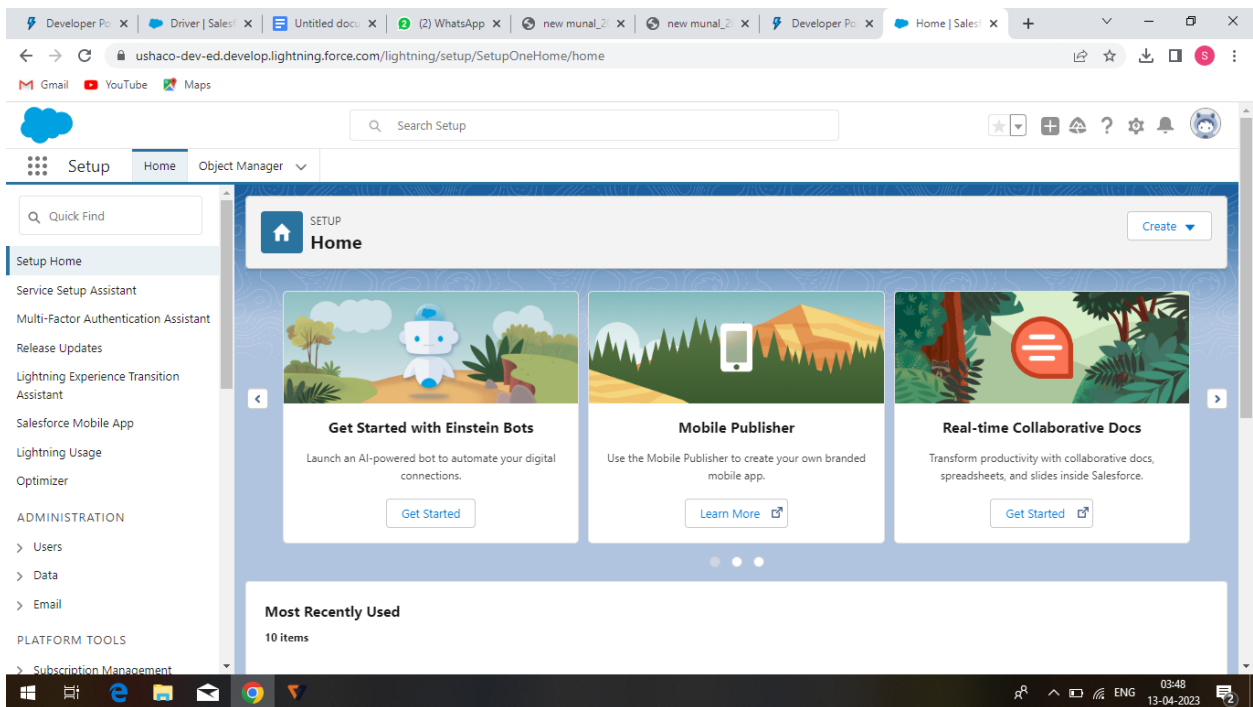
S NO.	Field Names	Data Types
1.	Customer Name	Text
2	Customer Mobile No	Number
3	Vehicle Type i)2 wheeler ii)4 wheeler	Picklist
4.	2WHEELERS i) HERO ii)HONDA iii)BAJAJ iv)ROYAL ENFIELD v)TVS vi)KINETIC vii)OLA viii)JAWA ix)SD x)BATTERY	Picklist
5	4WHEELERS i) RENAULT ii)SKODA iii) HONDA iv)HYUNDAI v)SUZUKI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

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 AND SCREENSHOT

Activity : Login to your salesforce account



Activity 2: Create an Object for Vehicle and Driver

The screenshot shows the Salesforce Lightning Setup interface for the 'vehicle' object. The left sidebar contains a navigation menu with options: 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 shows a table of 19 items, sorted by Field Label. The table has columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The visible rows are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
2 WHEELERS	X2_WHEELERS__c	Picklist	Vehicle Type	
4 WHEELERS	X4_WHEELERS__c	Picklist	Vehicle Type	
Body type	Body_type__c	Text(30)		
Classic No	Classic_No__c	Text(30)		
Colour	Colour__c	Text(30)		
Condition	Conditions__c	Picklist		
Created By	CreatedById	Lookup(User)		

Go to object manager and make new Object for vehicle and the give detail about the given project

Driver Object

The screenshot shows the Salesforce Lightning Setup interface for the 'Driver' object. The left sidebar contains a navigation menu with options: 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 shows a table of 9 items, sorted by Field Label. The visible rows are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Driver name	Driver_name__c	Text(30)		
Driver Name	Name	Text(80)		✓
Fair Per Hour	Fair_Per_Hour__c	Text(30)		
Last Modified By	LastModifiedById	Lookup(User)		
Licence No.	Licence_No__c	Text(30)		
Mobile No.	Mobile_No__c	Number(18, 0)		

Save the following steps for the driver again

Developer Po x vehicle | Sales x Untitled docu x (2) WhatsApp x new munal_2 x new munal_2 x Developer Po x Home | Sales: x +

ushaco-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003kYew/FieldsAndRelationships/page?address=%2F00N2w00000aWU...

Gmail YouTube Maps Untitled document...

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
vehicle

Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts

Custom Field Definition Edit
Change Field Type Promote to Global Value Set Save Cancel

Field Information

Field Label 4 WHEELERS Data Type Picklist
Field Name X4_WHEELERS
Description
Help Text
Data Owner User
Field Usage --None--
Data Sensitivity Level --None--
Compliance Categorization
Available PII HIPAA GDPR PCI
Chosen

General Options

05:06
13-04-2023

Developer Po x Driver | Sales x Untitled docu x (2) WhatsApp x new munal_2 x new munal_2 x Developer Po x Home | Sales: x +

ushaco-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003kYg9/FieldsAndRelationships/page?address=%2F00N2w00000aWU...

Gmail YouTube Maps Untitled document...

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Driver

Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts

Edit Driver Custom Field
Driver name
Help for this Page

Custom Field Definition Edit
Change Field Type Save Cancel

Field Information

Field Label Driver name Data Type Text
Field Name Driver_name
Description
Help Text
Data Owner User
Field Usage --None--
Data Sensitivity Level --None--
Compliance Categorization
Available PII HIPAA
Chosen

05:07
13-04-2023

Activity 3 Lighting app

Go to quick search and wrote app manager Click that and go to new lightning app and cloned that features.

Activity 4 Users

Search user in quick search and create new user

Activity 5 Profile

Developer Po x Profiles | Sale x Untitled docu x (2) WhatsApp x new muna2 x new muna2 x Developer Po x Home | Sales x +

ushaco-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/home

Gmail YouTube Maps

profile

Setup Home Object Manager

users

Users

- Permission Set Groups
- Permission Sets
- Profiles
- Public Groups
- Queues
- Roles
- User Management Settings
- Users

Feature Settings

- Data.com
- Prospector Users

Didn't find what you're looking for? Try using Global Search.

SETUP Profiles

Profiles

All Profiles Edit Delete Create New View

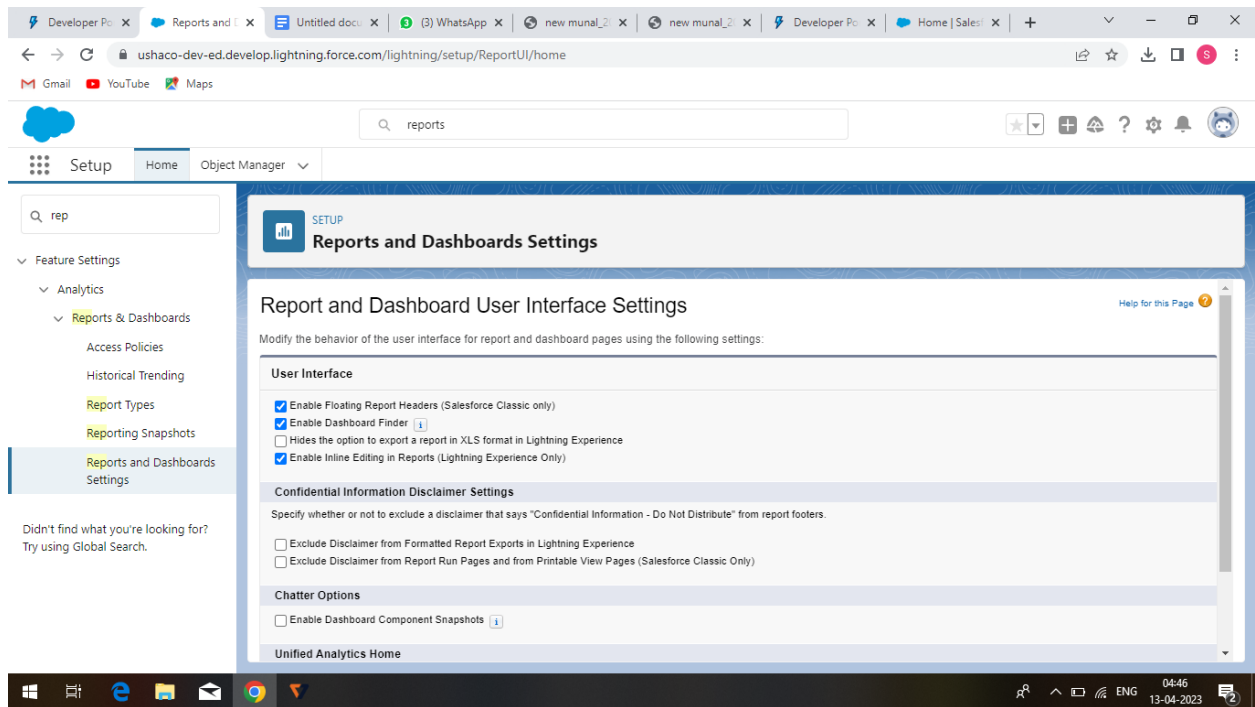
New Profile

Action	Profile Name	User License	Custom
Edit Clone	Analytics Cloud Integration User	Analytics Cloud Integration User	
Edit Clone	Analytics Cloud Security User	Analytics Cloud Integration User	
Edit Clone	Authenticated Website	Authenticated Website	
Edit Clone	Authenticated Website	Authenticated Website	
Edit Clone	Chatter External User	Chatter External	
Edit Clone	Chatter Free User	Chatter Free	
Edit Clone	Chatter Moderator User	Chatter Free	
Edit Clone	Contract Manager	Salesforce	
Edit Clone	Cross Org Data Proxy User	XOrg Proxy User	
Edit Clone	Custom: Marketing Profile	Salesforce	

1:25 of 44 0 Selected Previous Next Page 1 of 2

Make a new profile from the help of given instruction

Activity 6: Reports and Dashboards



Open reports and dashboards by searching the help of quick search

4 Trailhead Profile Public URL

TeamLead: <https://trailblazer.me/id/svinayagam7>

Member 1: <https://trailblazer.me/id/vnijendhiran>

Member 2: <https://trailblazer.me/id/ramram12>

Member3: <https://trailblazer.me/id/srajini4>

5 i) Advantages

- Its tracking all vehicle performance, employee performance
- Increasing productivity and enhancing customer service
- Improving employees efficiency
- Tracking vehicles and drivers easily.
- It is mainly used in transports.

ii) Disadvantages

- The insurance cost is an additional liability.
- Lack of organization and structure

6 APPLICATION

- # Complete database of customers, and maintain service records.
- # Promote service centers.
- # Develop operational expenditure models.
- # SMS alerts of service reminders
- # Making calls for service reminder & GPS tracking.

7 CONCLUSION

A vehicle management system is very useful to help to manage the customer details, vehicle details, fuel details insurance details driver details, maintenance details etc., Finally we know vehicle management system by smartintenze , trailhead,etc.,

8 FUTURESCOPE

To Keep the vehicles in real-time,plan,execute,and optimize their transportation process through GPS and data collection.

To make an endless bond with customers and buyers.