

1 INTRODUCTION

1.1 Overview

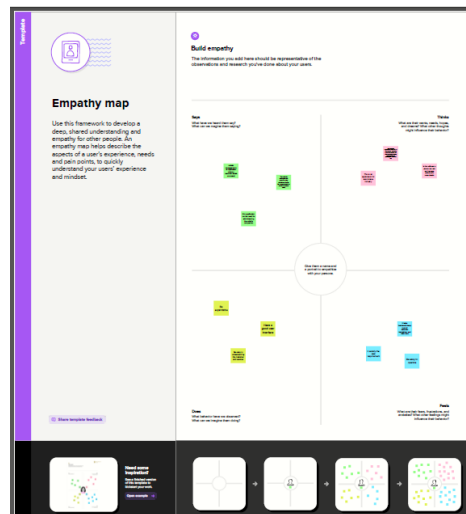
Vehicle management system is an automated software for the transportation industry or an organization which owns a large number of vehicle and managing fleets. It is an organized code which provides management functions that permit corporations to get rid of or minimize the risks related to vehicles.

1.2 Purpose

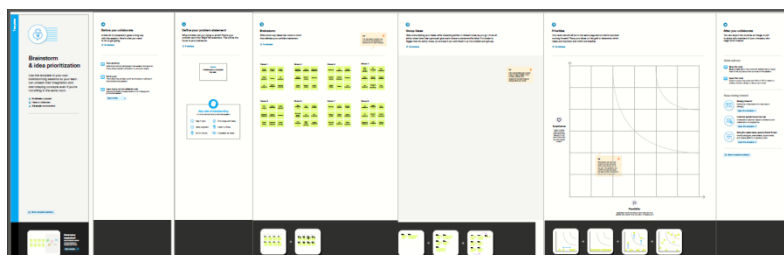
Vehicle Management is an application where a customer Details are stored in order to choose cars,bikes and commercial vehicles for travel within the city. The data which is stored here is further used to remind them if any offers are provided during the seasons and any updates regarding vehicles are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

2 Problem Definition and Design Thinking

2.1 Empathy Map



2.2 Ideation and Brainstorming Map



3 RESULT

3.1 Data Model:

Object Name	Fields in the Object		
Vehicle	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 vi)MAHINDRA vii)VOLKSWAGEN viii)BENZ ix)AUDI x)VOLVO	Picklist
	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

VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

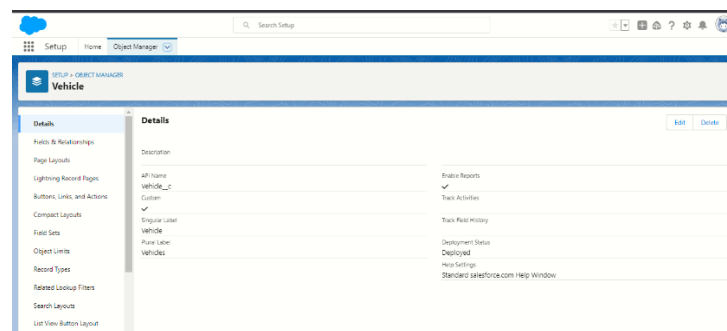
	12	Condition i)Good ii)Medium iii)Least	Picklist
	13	Mileage	Text
	14	Seats	Number
	15	Start Date	Date\Time
	16	End Date	Date\Time
	17	Opportunity	Lookup (opportunities)
Driver	S No	Field	Data Type
	1	Driver Name	Text
	2	Licence No	Text
	3	Mobile No	Number
	4	Fair Per Hour	Text
	5	Vehicle	Lookup (Vehicle)

3.2 Activity and Screenshot

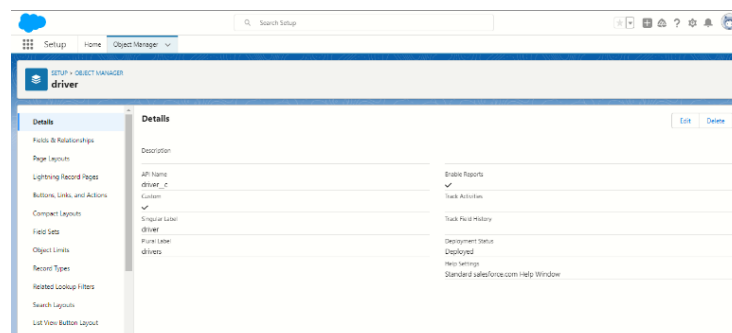
ACTIVITY -1 OBJECT CREATION:

Creation of Objects for Vehicle Management. For this Vehicle Management we need to create 2 objects (Vehicles and Driver)

VEHICLES:



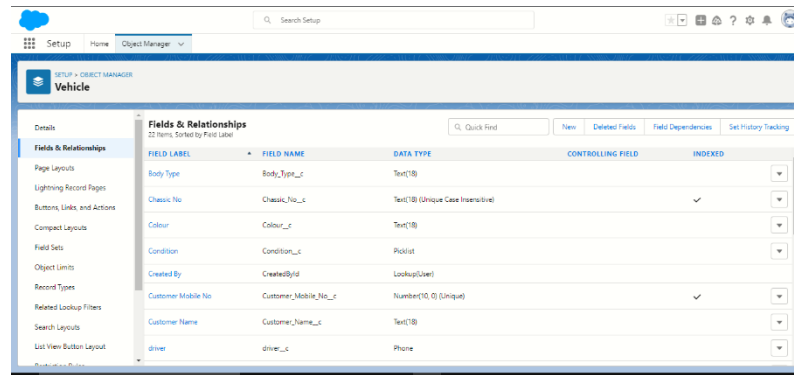
DRIVER:



ACTIVITY – 2:

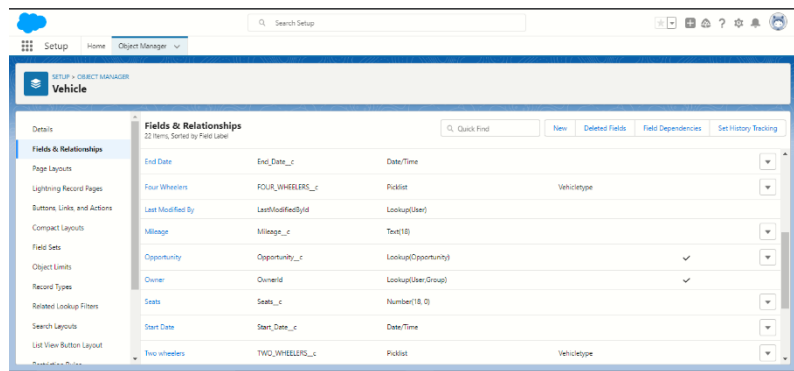
FIELDS AND RELATIONS FOR VEHICLE

Fields in Vehicles objects follow below data types:



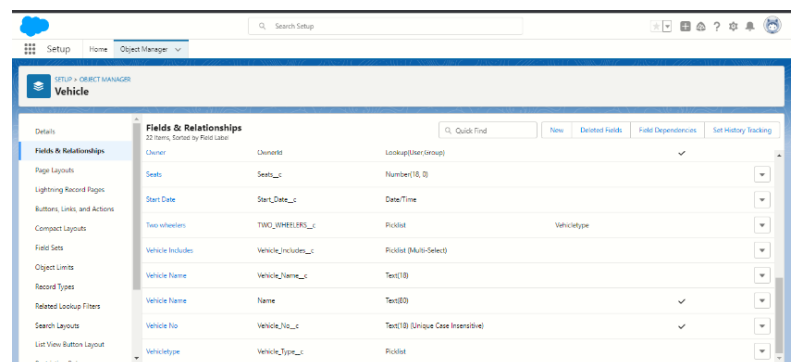
Fields & Relationships

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Body Type	Body_Type__c	Text(18)		
Chassis No	Chassis_No__c	Text(18) (Unique Case Insensitive)		✓
Colour	Colour__c	Text(18)		
Condition	Condition__c	Picklist		
Created By	CreatedById	Lookup(User)		
Customer Mobile No	Customer_Mobile_No__c	Number(10, 0) (Unique)		✓
Customer Name	Customer_Name__c	Text(18)		
driver	driver__c	Phone		



Fields & Relationships

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
End Date	End_Date__c	Date/Time		
Four Wheelers	FOUR_WHEELERS__c	Picklist	VehicleType	
Last Modified By	LastModifiedById	Lookup(User)		
Mileage	Mileage__c	Text(18)		
Opportunity	Opportunity__c	Lookup(Opportunity)		✓
Owner	OwnerId	Lookup(Owner-Group)		✓
Seats	Seats__c	Number(18, 0)		
Start Date	Start_Date__c	Date/Time		
Two wheelers	TWO_WHEELERS__c	Picklist	VehicleType	

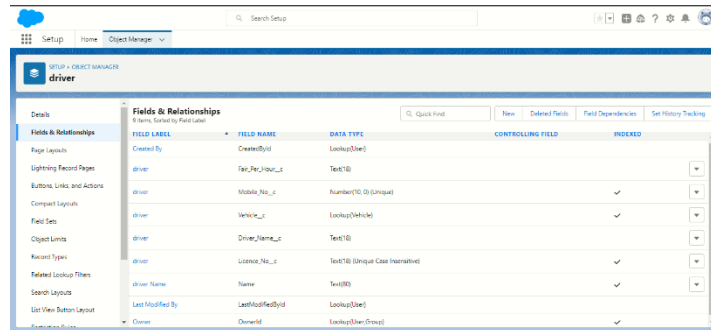


Fields & Relationships

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Owner	OwnerId	Lookup(Owner-Group)		✓
Seats	Seats__c	Number(18, 0)		
Start Date	Start_Date__c	Date/Time		
Two wheelers	TWO_WHEELERS__c	Picklist	VehicleType	
Vehicle Includes	Vehicle_Includes__c	Picklist (Multi-Select)		
Vehicle Name	Vehicle_Name__c	Text(18)		
Vehicle Name	Name	Text(80)		✓
Vehicle No	Vehicle_No__c	Text(18) (Unique Case Insensitive)		✓
VehicleType	Vehicle_Type__c	Picklist		

FIELD AND RELATIONSHIPS FOR DRIVER:

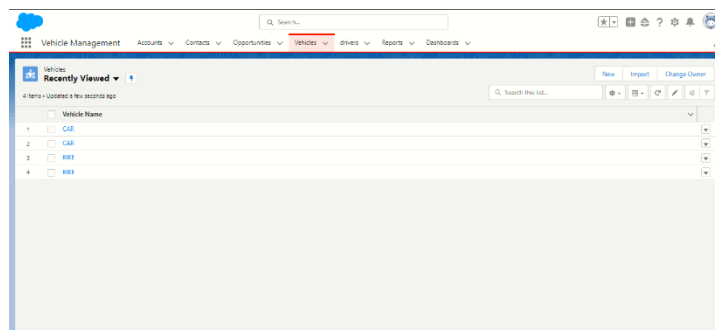
Fields in Driver objects follow below data types:



FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup[User]		
driver	Id	Text[18]		
driver	Mobile_No__c	Number[10, 0] (Unique)		
driver	Vehicle__c	Lookup[Vehicle]		
driver	Driver_Name__c	Text[18]		
driver	License_No__c	Text[18] (Unique Case Insensitive)		
driver Name	Name	Text[60]		
Last Modified By	LastModifiedBy	Lookup[User]		
Owner	OwnerId	Lookup[User (Share)]		

ACTIVITY 3 – LIGHTNING APP

We have created the Vehicle Management Construction app:

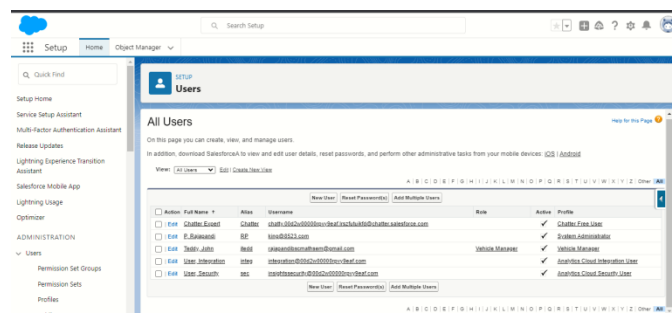


Vehicle Name
1 CAR
2 CAR
3 BIKI
4 BIKI

ACTIVITY 4 – USERS

A user is anyone who logs in to Sales force. 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 Sales force has a user account.

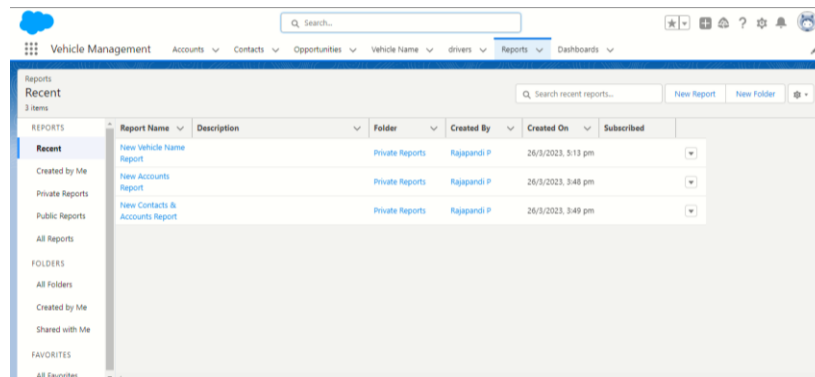
Creating Users:



Action	Full Name	Alias	Username	Email	Profile
<input type="checkbox"/>	Chaitan Choudhary	Chaitan	chaitan.choudhary@smartinternz.com	chaitan.choudhary@smartinternz.com	Chaitan Choudhary User
<input type="checkbox"/>	R. Ramesh	R	ramesh.r@smartinternz.com	ramesh.r@smartinternz.com	Ramesh Ramesh User
<input type="checkbox"/>	Shruti Jais	Shruti	shruti.jais@smartinternz.com	shruti.jais@smartinternz.com	Shruti Jais User
<input type="checkbox"/>	User Information	info	information@smartinternz.com	information@smartinternz.com	Smart Internz Information User
<input type="checkbox"/>	User Search	src	search@smartinternz.com	search@smartinternz.com	Smart Internz Search User

ACTIVITY 5 – REPORTS

A report is a list of records that meet the criteria is defined. It is displayed in Sales force as 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



3 Trailhead Profile Public URL

Team Lead - Rajapandi.P

<https://trailblazer.me/id/rpandi95>

Team Member 1

Sanjay.S

<https://trailblazer.me/id/sanjs52>

Team Member 2

Varatharaj.P

<https://trailblazer.me/id/vjstb2>

TeamMember3

SathishKumar.S

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

4 ADVANTAGES

A vehicle management system keeps the record of every important function and daily activities such as vehicle type, vehicle fitness, document validity date, insurance policy, etc.

It also keeps the record of driver and helper details to monitor and improve their productivity.

Beside trip and Vehicle operation records are also recorded by it.

To keep your company lifetime detail a vehicle management system provides us the best opportunity.

5 DISADVANTAGE

It is difficult to manage and maintain Vehicle management system due to use of multiple technologies such as cloud servers, cellular wireless systems, fleet management software etc.

It requires skilled resources to maintain such system. This increases maintenance costs.

6 APPLICATIONS

The Vehicle Management System (VMS) is an application for the Automotive industry.

It supports, in the area of Sales and Services, the business processes that we require as vehicle importer while dealing with our original equipment manufacturers (OEMs) and our dealers in new and used in vehicle sales.

7 CONCLUSION

Vehicle management system using Sales force helps us to keep in contact with our customers. Vehicle management system maintains customer relationship management. This software is useful for both companies and customers.

8 FUTURESCOPE

This software maintains all the customers' details which will help the companies to contact the customers. This application makes the customer to feel secure.