Project Report Template
Vehicle management system
TEAM ID : NM2023TMID04569

1.INTRODUCTION

1.1 OVER VIEW:

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:

- ❖   Improve fleet safety and working conditions.
- ❖ Improve the behavior and performance of drivers and beat unsafe driving.
- ❖ Schedule shifts and work hours.
- ❖ Leverage driver retention.
- ❖ Track vehicles, assets or professional equipment (even trailers and containers)
- ❖ Schedule routine maintenance.
- ❖ Manage fuel efficiency.
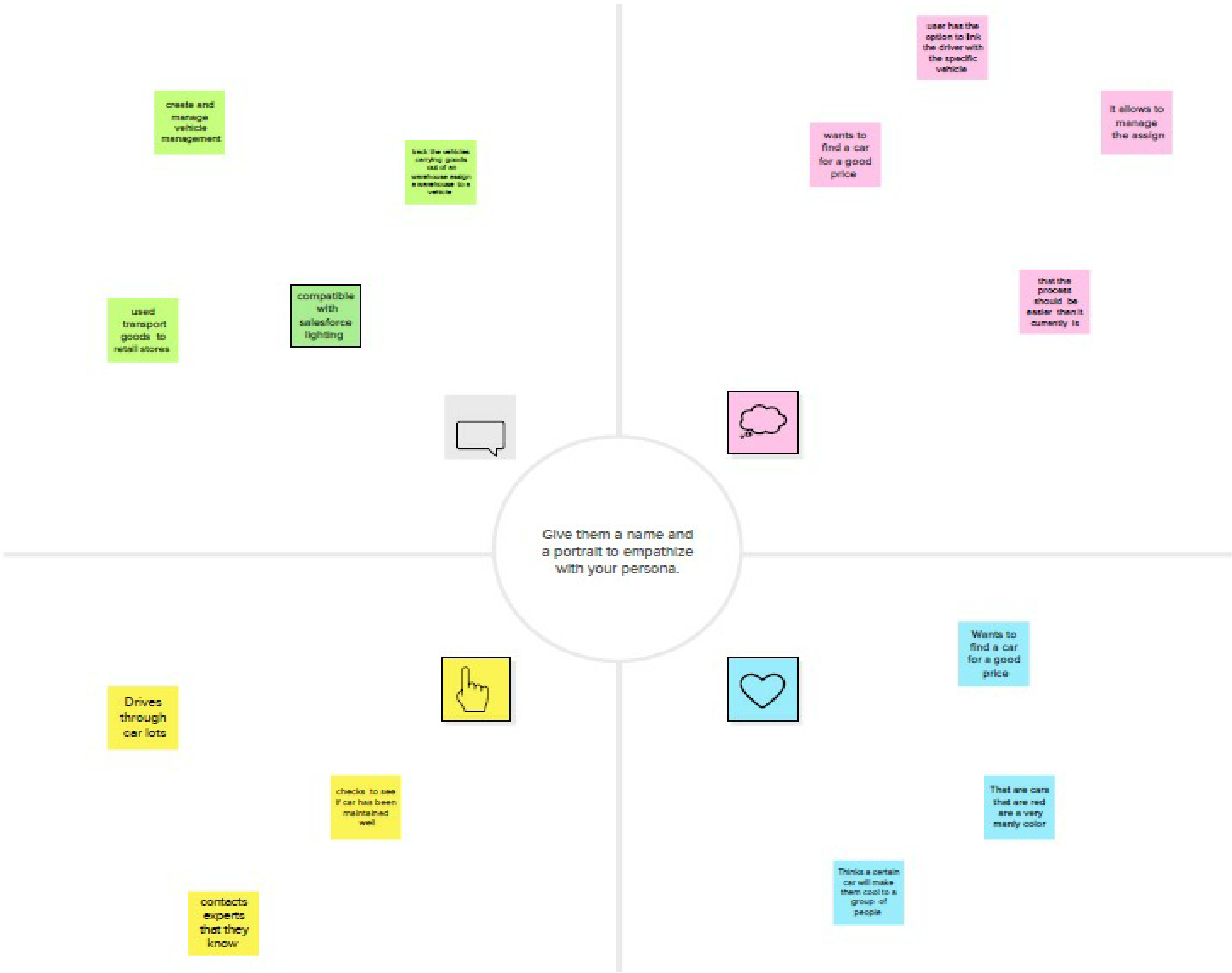
2.problem definition & design thinking

2.1 Empathy Map

An empathy map is a collaborative visualization used to articulate what we know about a particular tybe of user . It externalizes knowledge about users in order to

1 create a shared understanding of user needs and

2 aide in decision making

EMPATHY MAP

PROJECT NAME	VEHICLE MANAGEMENT SYSTEM
TEAM ID	NM2023TMID04569
DATE	17-04-2023

create and manage vehicle management

track the vehicles carrying goods out of an warehouse assign a warehouse to a vehicle

user has the option to link the driver with the specific vehicle

wants to find a car for a good price

It allows to manage the assign

used transport goods to retail stores

compatible with salesforce lighting

that the process should be easier then it currently is

Give them a name and a portrait to empathize with your persona.

Wants to find a car for a good price

Drives through car lots

checks to see if car has been maintained well

That are cars that are red are a very manly color

contacts experts that they know

Thinks a certain car will make them cool to a group of people

2.2 Brainstorming:

Brainstorming is a group –solving method that involves the spontaneous contributeon of creative ideas and solutions .this technique requires intensive freewheeling discussion in which every

member of the group is encouraged to think aloud and suggest as many ideas as possible based on their diverse knowledge

VEHICLE MANAGEMENT ...BRAINSTORMING

PROJECT NAME	VEHICLE MANAGEMENT SYSTEM
TEAM ID	NM2023TMID04569
DATE	17-04-2023
NAME	VASEEGARAN

vasikaran

The normal group technique is defined as a brainstorming method

The normal group technique is defined as a brainstorming method

Round of discussion where each member of the brainstorm

private generation of responses

Jayabharathi

Item clarification

silent private ranking of top 5 items

Master list compilation

Ranked results shared with the group

prakash

Manage of similar items

All ideas and information are acceptable

No criticism or analysis of ideas or information is permitted

Build on the Ideas of other

vetriselvan

All ideas and Information are charted

They open new ways of thinking and provide better solutions then regular ideas

The greater the number of ideas generated the greater the chance of producing a radical and effective solution
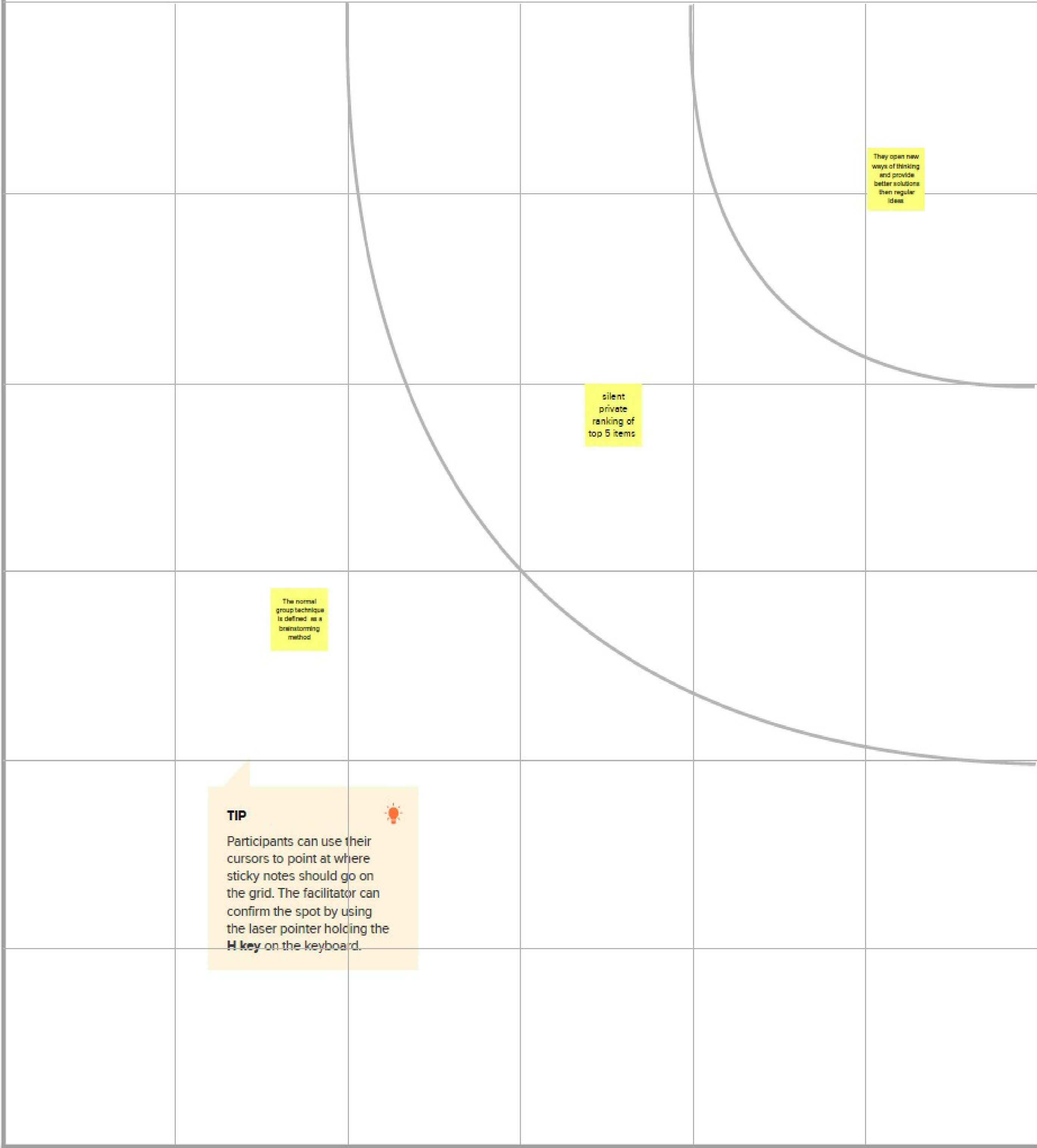
This approach leads to better and more complete ideas than merely generating new ideas alone

The normal group technique is defined as a brainstorming method

silent private ranking of top 5 items

No criticism or analysis of ideas or information is permitted

They open new ways of thinking and provide better solutions then regular ideas

They open new ways of thinking and provide better solutions then regular ideas

silent private ranking of top 5 items

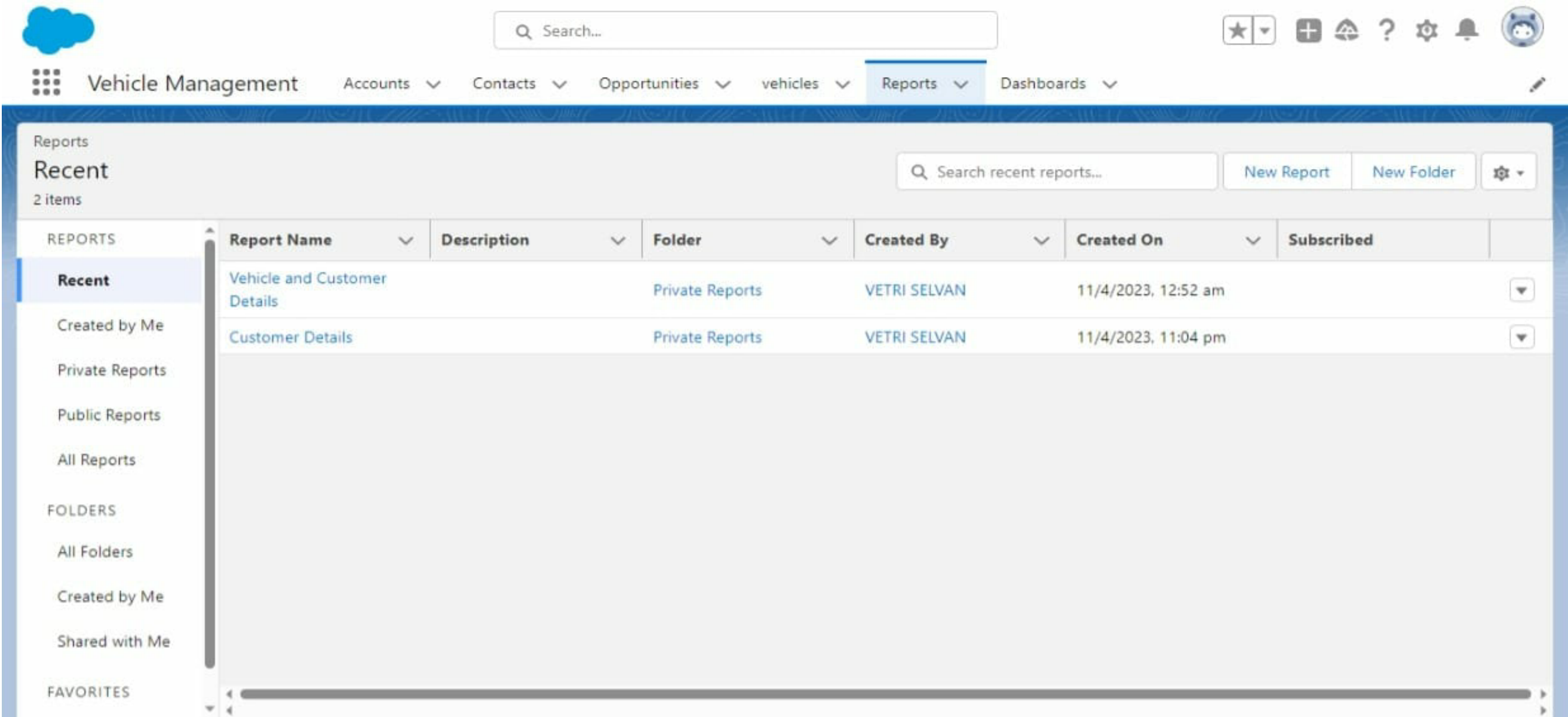The normal group technique is defined as a brainstorming method

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.

3.1 Data model

Object name	FIELDS IN THE OBJECT	
Obj1 CUSTOMER	FIELD LABLE	
	CUTOMER NAME	PICKLIST
OBJ2 VEHICLE	FIELD LABLE	
	VEHICLE NAME	PICKLIST

3.2 ACTIVITY & SCREENSHOT

SETUP > OBJECT MANAGER

vehicle

Details

Details

Edit   Delete

Description

API Name
vehicle__c

Custom
✓

Singular Label
vehicle

Plural Label
vehicles

Enable Reports
✓

Track Activities

Track Field History

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window

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

Vehicle and Customer Details | S   ×   +

https://periyarartscollege-c-dev-ed.develop.lightning.force.com/lightning/r/Dashboard/01Z2w000000Rv72EAC/view?queryScope=u...

Vehicle Management

Accounts ⌄   Contacts ⌄   Opportunities ⌄   vehicles ⌄   Reports ⌄   Dashboards ⌄

Dashboard
Vehicle and Customer Details
As of 16-Apr-2023, 7:15 pm·Viewing as VETRI SELVAN

Refresh   Edit   Subscribe   ▼

Vehicle and Customer Details

We can't draw this chart because there is no data.

View Report (Vehicle and Customer Details)

Customer Details

Sal---	Firs---	Las---	Title	Account Name
Mr.	Tom	Riple y	Regional General Manager	United Oil & Gas, Singapore
Mr.	Sean	Forb es	CFO	Edge Communicatio
Mr.	Jack	Rog ers	VP, Facilities	Burlington Textiles C of America
Mr.	John	Bon d	VP, Facilities	Grand Hotels & Resc Ltd
Mr.	Tim	Barr	SVP, Administration	Grand Hotels & Resc

View Report (Customer Details)

29°C Partly cloudy   ENG   19:17   16-04-2023

Search Setup

Setup | Home | Object Manager ⌄

Q user

⌄ Users
   Permission Set Groups
   Permission Sets
   Profiles
   Public Groups
   Queues
   Roles
   User Management Settings
   Users
⌄ Feature Settings
  ⌄ Data.com
     Prospector Users
⌄ User Interface
   Action Link Templates

SETUP
Users

All Users

On this page you can create, view, and manage users.

In addition, download SalesforceA to view and edit user details, reset passwords, and perform other administrative tasks from your mobile devices: iOS | Android

Help for this Page ❓

View: All Users ⌄ | Edit | Create New View

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Other | All

New User | Reset Password(s) | Add Multiple Users

☐ Action	Full Name ↑	Alias	Username	Role	Active	Profile
☐	Edit	Chatter Expert	Chatter	chatty.00d2w00000rsupaeav.iouwzy3affaj@chatter.salesforce.com		✔	Chatter Free User
☐	Edit	SELVAN, VETRI	VSELV	vetriselvan@periyarartscollege.com		✔	System Administrator
☐	Edit	teddy, john	jtedd	vetri762003selvan@gmail.com	Vehicle Manager	✔	Vehicle Manager
☐	Edit	teddy, john	jtedd	vetri7623selvan@gmail.com	operator 1	✔	Identity User
☐	Edit	teddy, john	jtedd	vetri76203selvan@gmail.com	operator 2	✔	Partner App Subscription User
☐	Edit	User, Integration	integ	integration@00d2w00000rsupaeav.com		✔	Analytics Cloud Integration User
☐	Edit	User, Security	sec	insightssecurity@00d2w00000rsupaeav.com		✔	Analytics Cloud Security User

---

Screenshot 2: Driver Object Manager

Search Setup

Setup | Home | Object Manager ⌄

SETUP > OBJECT MANAGER
driver

Details

Fields & Relationships

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

Fields & Relationships
9 Items, Sorted by Field Label

Q Quick Find | New | Deleted Fields | Field Dependencies | Set History Tracking

FIELD LABEL ▲	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED	
Created By	CreatedById	Lookup(User)			
driver name	driver_name__c	Text(12)			▼
driver Name	Name	Text(80)		✔	▼
fair per hour	fair_per_hour__c	Text(10)			▼
Last Modified By	LastModifiedById	Lookup(User)			
licence no	licence_no__c	Text(14)			▼
mobile no	mobile_no__c	Number(10, 0)			▼

SETUP
Profiles

Profiles

Help for this Page ❓

All Profiles ▾ | Edit | Delete | Create New View

New Profile | ↻

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Other | All

	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	☐

1-43 of 43 ▾ | 0 Selected ▾ | ◀◀ ◀ Previous Next ▶ ▶▶ | Page 1 of 1 ▾

SETUP
Tabs

Custom Tabs

Help for this Page ❓

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

Custom Object Tabs   New | What Is This?

Action	Label	Tab Style		Description
Edit | Del	vehicles	🔧	Lightning	

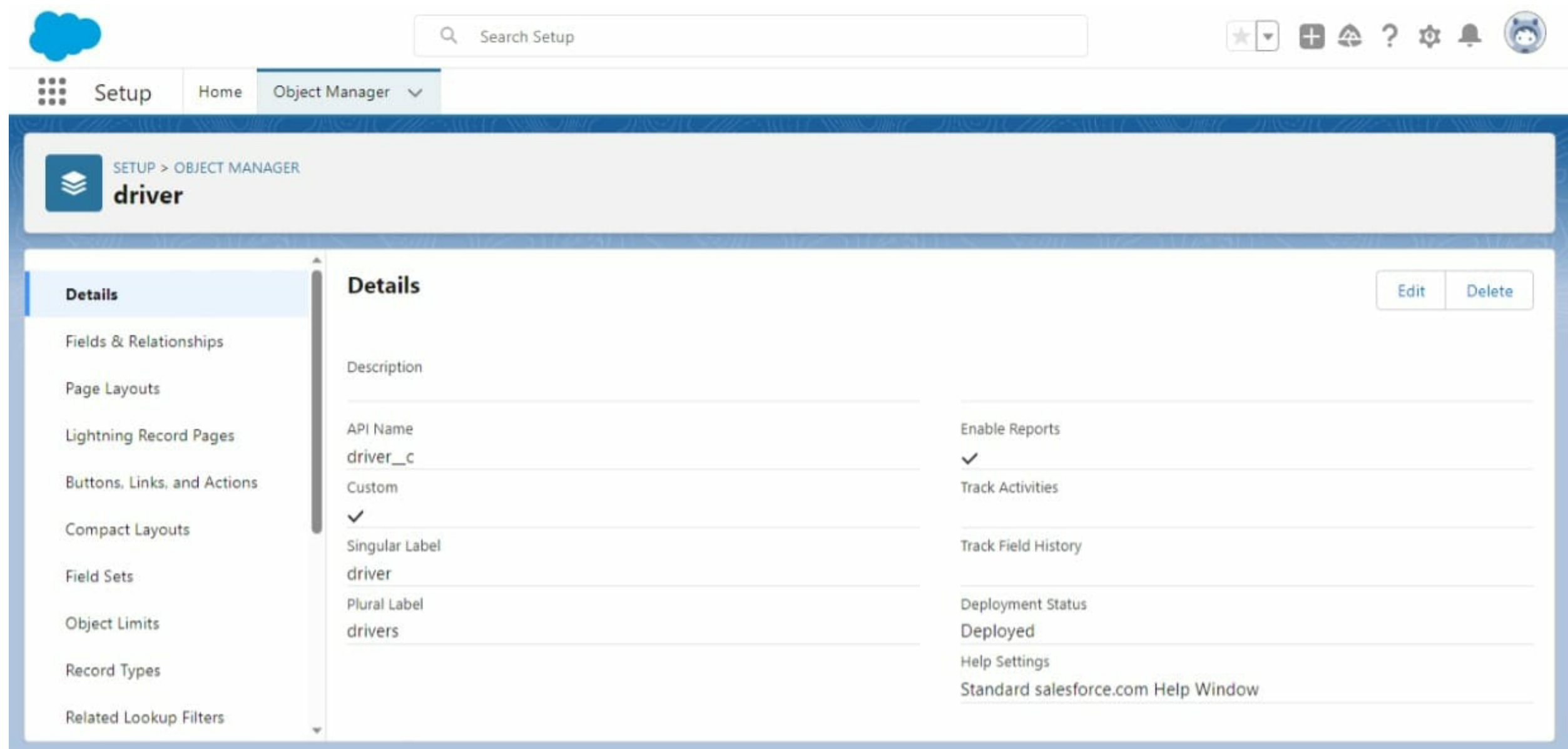**Web Tabs**   New | What Is This?

No Web Tabs have been defined

Visualforce Tabs   New | What Is This?

No Visualforce Tabs have been defined

4 .TRAILHEAD PROFILE PUBLIC URL

Team Lead : https://trailblazer.me/id/vaseegaranvip

Team Member 1: http://trailblazer.me/id/jbharathi17

Team Member 2: http://trailblazer.me/id/vselvan6

Team Member 3: http://trailblazer.me/id/sprakash400

Vehicle management system

5 ADVANTAGES & DISADVANTAGE

ADVANTAGES:

❖ Duplication of the vehicle date is avoided
❖ As vehicle number is already stored in the master therefore
❖ Timely alerts ensure that penalties are avoided

Disadvantage

- ❖ Low frequency results in lower maximum data rate
- ❖ All though it is fast enough to allow multiple transmissions to Increase reliability
- ❖ Tag usually requrieres power from vehicle
- ❖ Tag installation Is not as convenient as that of a windshield mounted tag
- ❖ Moderate difficulty induplicating tags

Applications

- ❖ Public and privete transportation
- ❖ Stolen vehicle searching
- ❖ Espionage surveillance
- ❖ Useful for visually impaired as an information guider for transportation
- ❖ Can also be location identifier using suitable modification

Conclusion

In this system the transport management designed and developed a low cost system based on integration of GPS

And XBee date is described The system consists of different modulus which are linked wirelessly with XBee cost effective XBee service is used for the transfer of data between the modulus .A new service to facilitate the people who use school buses or company cabs for travaling is introduced.

Features-vehicle management

- ❖ Vehicle master captures all the information related to vehicle number controlling location and so on
- ❖ One –stop information of vehicle includes engine number registration number RC book number and more