

Project Report Template

1 INTRODUCTION:

1.1 Overview

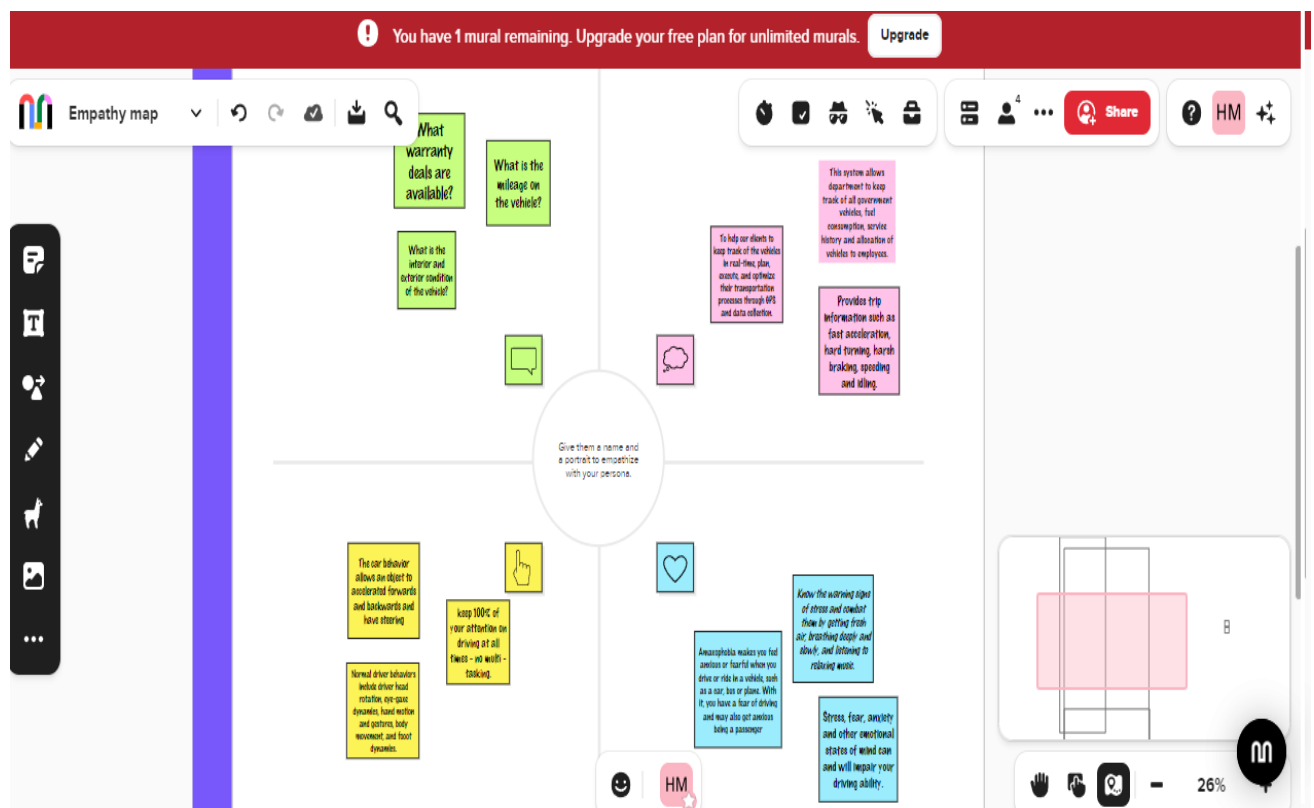
Vehicle Management System is a **windows application written for 32-bit Windows operating systems which focused in the area of adding, editing and deleting the passengers, staff and the bus routes**. In this software a person can be register as a user and he can manage the bus routes and the staff, passengers' details.

1.2 Purpose

A vehicle management system is a software system — or platform — that serves to manage commercial fleets of vehicles, such as cars, vans or trucks — or even heavy equipment — to ensure they're utilized safely, efficiently and professionally, while making sure they're well maintained and high-performing.

2 Problem Definition & Design Thinking

2.1 Empathy Map



2.2 Ideation & Brainstorming Map

Brainstorm

Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

10 minutes to prepare
 1 hour to collaborate
 2-8 people recommended

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

10 minutes

- A Team gathering**
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
- B Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.
- C Learn how to use the facilitation tools**
Use the Facilitation Superpowers to run a happy and productive session.
[Open article](#) →

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

PROBLEM

How might we increase awareness of the full product offerings?

Key rules of brainstorming

To run a smooth and productive session

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.

Brainstorm

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!

M. Haritha

Brand voice	Brand aesthetic	Logo and tagline
Brand values		

P. Hemamalini

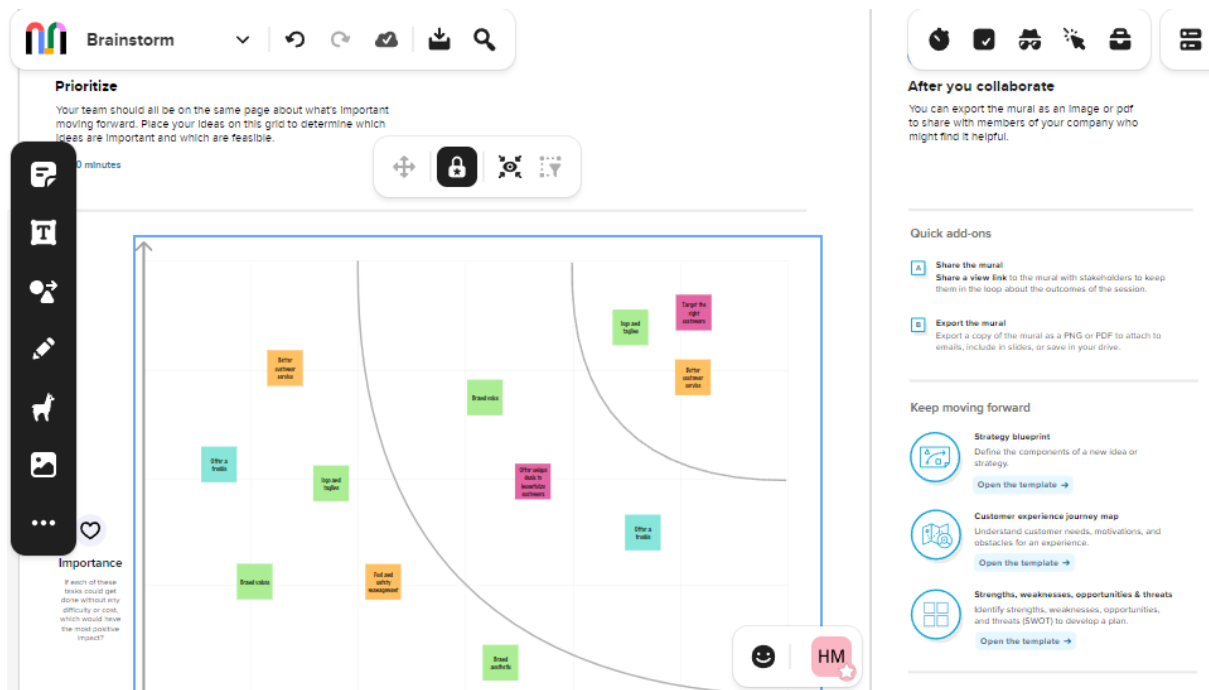
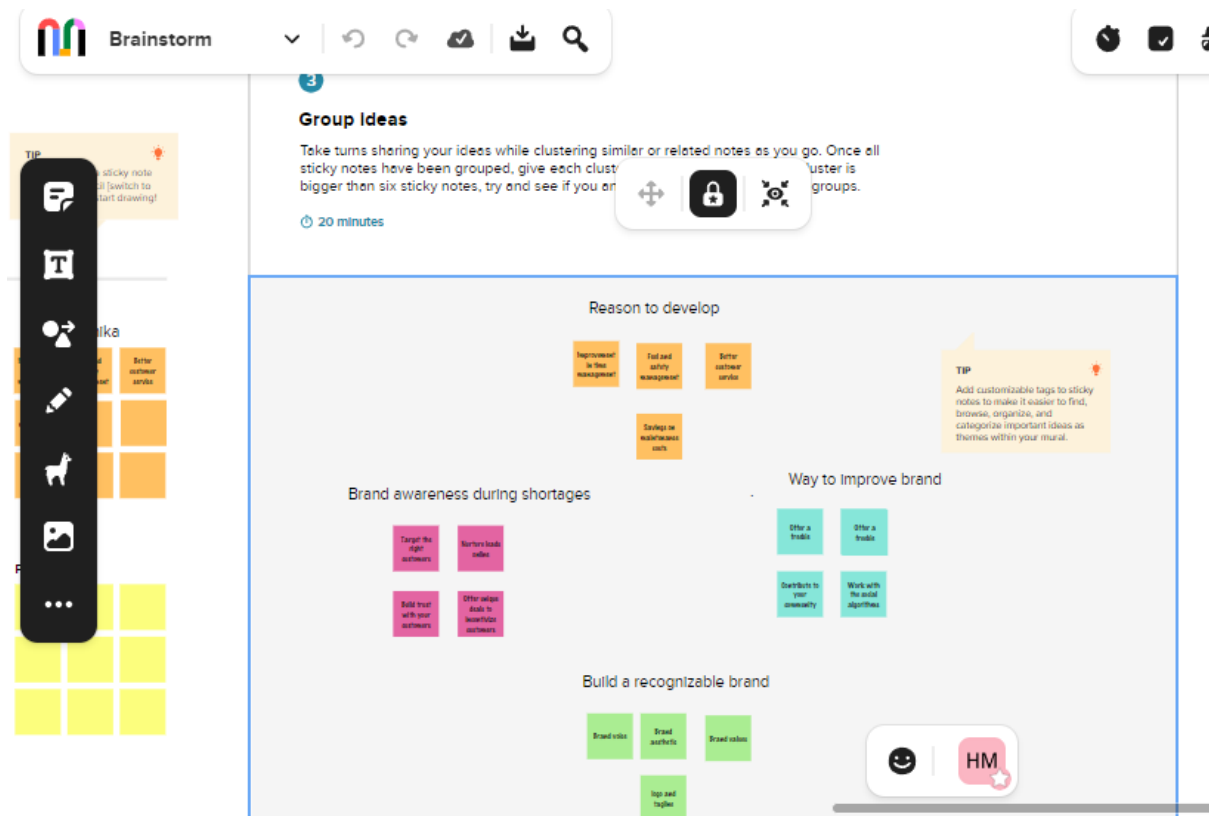
Contribute to your community	Offer a freebie	Run social media contests
Work with the social algorithms		

S. Geetha

Nurture leads online	Target the right customers	Build trust with your customers
Offer unique deals to incentivize customers		

A. Jothika

Improvement in field management	Fuel and safety management	Better customer service
Savings on maintenance costs		



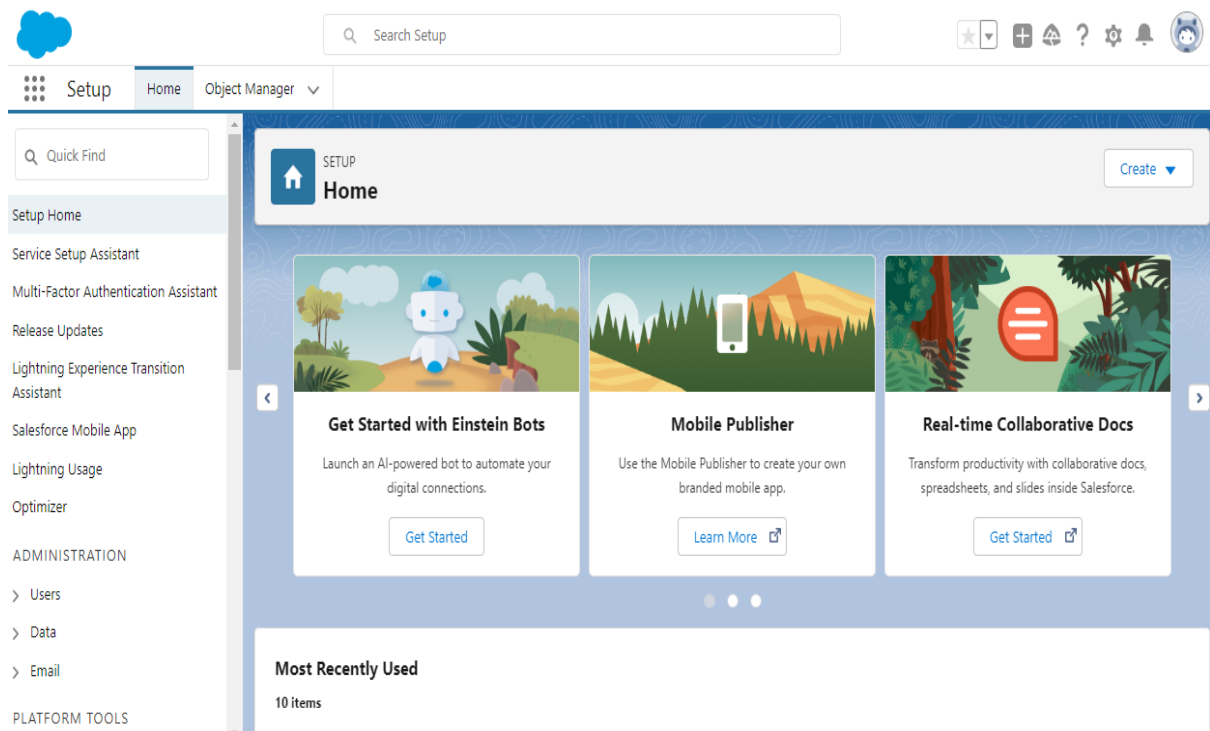
3 RESULT

3.1 Data Model:

Object Name	Fields in the Object
Object 1	Field label: Vehicle Data type: Text
Object 2	Field label: Driver Data type: Text

3.2 Activity and Screenshot:

Create sales force Org-creating Developer Account



Object:

Creation of Vehicle Object

The screenshot shows the Salesforce Setup interface for the 'Vehicle' object. The left sidebar contains a 'Details' menu with options: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'Details' and includes 'Edit' and 'Delete' buttons. The configuration fields are as follows:

Field	Value
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

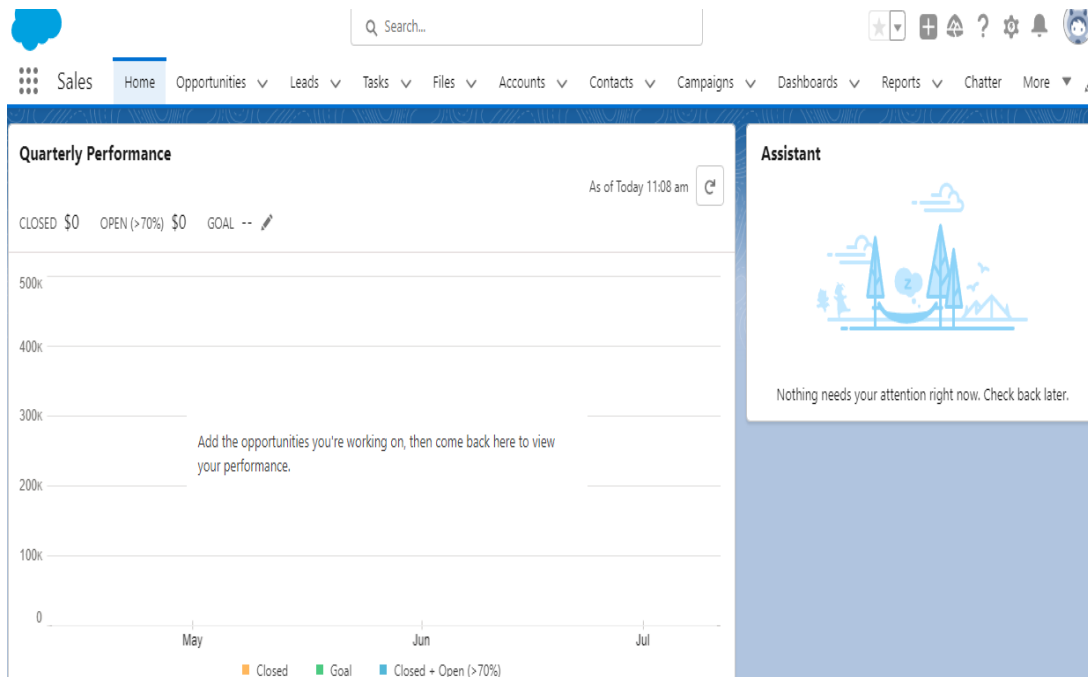
Creation of Driver Object

The screenshot shows the Salesforce Setup interface for the 'Driver' object. The left sidebar contains a 'Details' menu with options: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'Details' and includes 'Edit' and 'Delete' buttons. The configuration fields are as follows:

Field	Value
Description	
API Name	Driver__c
Custom	✓
Singular Label	Driver
Plural Label	Drivers
Enable Reports	✓
Track Activities	
Track Field History	
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

Lighting App

Create The Vehicle Management



Field and Relationship

Creation Field For The Vehicle Object

Vehicle


Fields & Relationships
22 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

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(80)		
Chassic No	Chassic_No__c	Text(80)		
Colour	Colour__c	Text(80)		
Condition	Condition__c	Picklist		

Creation of Fields for The Driver Objects



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

Details

EditDelete

Description

API Name
 Driver__c

Custom
 ✓

Singular Label
 Driver

Plural Label
 Drivers

Enable Reports
 ✓

Track Activities


Track Field History

Deployment Status
 Deployed


Help Settings
 Standard salesforce.com Help Window


Profile

Creation On Profile



Vehicle Management
 Accounts
 Contacts
 Opportunities
 Vehicles
 Drivers
 Reports
 Dashboards
 Haritha M





Haritha M

EditUser Detail

Share your awesomeness with the world.
 (Or at least with your colleagues on Chatter.)

Learn new skills on Trailhead, the fun way to learn Salesforce.
 Connect with fellow Trailblazers on the Trailblazer Community.

Details

Name
 Haritha M

Manager

Related

Groups (0)

Users

user

Users

Permission Set Groups

Permission Sets

Profiles

Public Groups

Queues

Roles

User Management Settings

Users

Feature Settings

Data.com

Prospector Users

User Interface

Setup

Home

Object Manager

Search Setup

Star

Plus

Warning

Help

Settings

Notifications

Avatar

SETUP

Users

Help for this Page

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](#)

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
<input type="checkbox"/> Edit	1_Operator	o1	operator1@gmail.com	Operator 1	✓	vehicles
<input type="checkbox"/> Edit	2_Operator	o2	operator2@gmail.com	Operator 2	✓	vehicles
<input type="checkbox"/> Edit	Chatter Expert	Chatter	chatty.00d2w00000rpz3fear.bqam15a2hem1@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit	M_Haritha	HM	haritha@04.com		✓	System Administrator
<input type="checkbox"/> Edit	Teddy John	jtedd	johnteddy@acme.com	Vehicle Manager	✓	Custom: Support Profile
<input type="checkbox"/> Edit	User Integration	inteq	integration@00d2w00000rpz3fear.com		✓	Analytics Cloud Integration User

Permission Sets

Permission

user

Users

Permission Set Groups

Permission Sets

Profiles

Public Groups

Queues

Roles

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Data.com

Prospector Users

User Interface

Action Link Templates

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SETUP

Permission Sets

Video Tutorial

Help for this Page

Find Settings

Clone

Manage Assignments

Permission Set Overview

Description	API Name	Namespace Prefix	Created By
Denotes that the user is a Sales Cloud user.	SalesUserPsl	force	salesforce.com, inc., 23/03/2023, 12:28 pm

Session Activation Required

Last Modified By

License

Sales User

Created By

salesforce.com, inc., 12/04/2023, 8:42 pm

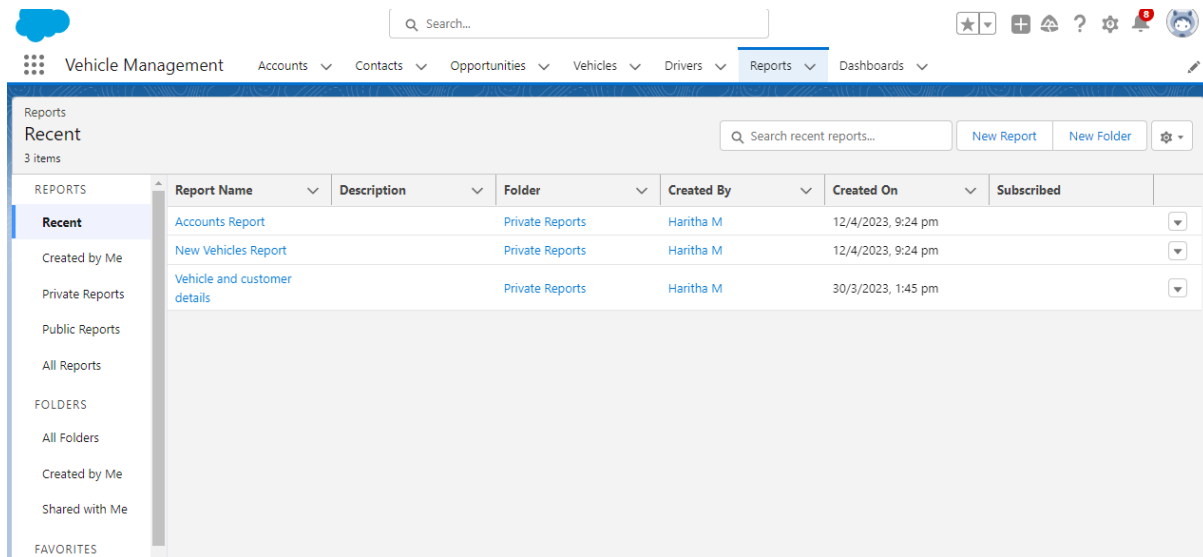
Apps

Object Settings

App Permissions

Flow Access

Reports



The screenshot shows the Salesforce Reports interface. At the top, there's a navigation bar with tabs for Vehicle Management, Accounts, Contacts, Opportunities, Vehicles, Drivers, Reports (selected), and Dashboards. Below this, the Reports section is active, showing a list of recent reports. The table has columns for Report Name, Description, Folder, Created By, Created On, and Subscribed. Three reports are listed: Accounts Report, New Vehicles Report, and Vehicle and customer details. The left sidebar shows navigation options like Recent, Created by Me, Private Reports, Public Reports, All Reports, FOLDERS, All Folders, Created by Me, Shared with Me, and FAVORITES.

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Accounts Report		Private Reports	Haritha M	12/4/2023, 9:24 pm	
Created by Me	New Vehicles Report		Private Reports	Haritha M	12/4/2023, 9:24 pm	
Private Reports	Vehicle and customer details		Private Reports	Haritha M	30/3/2023, 1:45 pm	

4 Trailhead Profile Public URL

Team Lead- <https://trailblazer.me/id/hmathivanan1>

Team Member 1- <https://trailblazer.me/id/geets19>

Team Member 2- <https://trailblazer.me/id/hhema80>

Team Member 3- <https://trailblazer.me/id/pjota>

5 ADVANTAGES & DISADVANTAGES:

Depending on the type of fleet being managed, a vehicle management system can reap a few or more business benefits. Notwithstanding that it largely depends on the quality of management conducted by the fleet owner, fleet manager or fleet operator, even mere few of these benefits can make a real difference in the fleet's performance efficiency, with substantial impact on ROI. That is to say, it may make the difference between a fleet of assets and a fleet of liabilities.

1. The entire fleet on a single screen, in real time

Even though a vehicle management system is typically safe driving practices. it provides vehicle tracking capabilities. That is to say, the inability of a fleet operator to know the location and status of their fleet and drivers can give way to a variety of different problems. Granted that, poor productivity, fleet inefficiency and delayed deliveries and shipments are only a few of them. Surely, these issues, given the right circumstances, can seriously hurt business reputation and customer retention.

2. Vehicle status, readily available

Even the slightest problem in a vehicle's engine may eventually lead to severe damage and breakdowns. To a fleet manager, there is nothing like being notified about any issue, any indication of malfunction and any sign that a driver forgot to check oil and fuel levels, lights and indicators and tire pressure before they left the lot. Even more so when there is a malfunction that just happened, brewing into some serious breakdown. In brief, all this information will be readily available to the fleet manager, per vehicle. A historical report of all incidents throughout a season will indicate whether a vehicle is due to be replaced, improving overall fleet performance.

3. Driver and vehicle safety and reliability

Driver safety

Statistically speaking, a motor vehicle crash happens approximately every 5 seconds. Peak hours in a busy rural area won't make things easier. Fleet managers need to know how to educate drivers on safe driving practice. And having a driving behaviour report, or a driver scorecard helps identify the behaviours that need to be addressed. In many countries, it is the law that all vehicles are also equipped with an on-board camera that will record all types of incidents for future reference.

Vehicle safety and reliability

Additionally, a fleet of well-maintained vehicles has proven to play a very important role in safe driving, improving overall fleet safety and reliability. And, it's only logical that poorly maintained vehicles can endanger drivers, passengers and bystanders on the road. Rightly so, alerts and notifications on any possible malfunction, non-compliance with regulations or reminders to stay ahead of normal wear and tear are uniquely useful to a fleet manager; at least, one that aims to keep the fleet well maintained and the staff well informed and professional.

4. Improved fuel efficiency, minimized fuel fraud

Fuel efficiency

Economies change and the prices of repairs, routine maintenance or even fuel, can change in an instant. In truth, fuel price is not the only factor to affect fuel efficiency. To explain, fuel consumption is the most usual culprit in cases of inefficiency. And, since fuel expenses are nearly 20% of the operating costs for a fleet, managing fuel consumption will serve its purpose.

No more fuel fraud

At some point, a fleet manager will be faced with a situation where, sometimes, drivers will be charging fuel and using it for their own benefit; fuel fraud. Sadly, it's a quite common practice across industries. Especially since automated fuel dispensers have become available. It becomes worse when drivers use fuel cards.

5. Improved lifespan for vehicles and equipment

Increased fuel consumption and bad mileage are dead giveaways for a low-performing vehicle; frequent malfunctions is another. Specifically, what all these things have in common is that they clearly

indicate a poorly maintained vehicle. In a fleet, where a vehicle should be an asset, this is a cause for all sorts of trouble. And it can, in fact, range from damages and losses, to unsatisfied customers.

6. Better reporting on driver behaviour, work hours and vehicle performance

Automated reports

There are so many aspects of business a fleet manager needs to keep tabs on. To that end, a vehicle management system can help tidy up their standard operating procedures by offering them meaningful, normalized insights. Additionally, automated, personalized reports can be made available to different people in the company, summarizing the information they actually need to improve their workflows and help grow the business.

6 APPLICATIONS:

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 .

7 CONCLUSION:

Vehicle management is essential to a smooth operating of vehicles, no matter the size. Tracking the location and condition of the vehicles, maintenance schedules, and fuel usage helps manage costs and keeps the equipment working longer.

8 FUTURE SCOPE:

Vehicle management systems created by SCAND are designed to help our clients to **keep track of the vehicles in real-time, plan, execute, and optimize their transportation processes through GPS and data collection.**

