

Project Report Template

Vehicle Management System Using Salesforce

1 INTRODUCTION

1.1 Overview

The main objective of the Project on Vehicle Management System is to manage the details of Vehicle, Driver, Insurance, Maintenance, Fuel. It manages all the information about Vehicle, Vehicle Type, Fuel, Vehicle. The project is totally built at administrative end and thus only the administrator is guaranteed the access.

1.2 Purpose

. The purpose of the project is to build an application program to reduce the manual work for managing the Vehicle, Driver, Vehicle Type, Insurance. It tracks all the details about the Insurance, Maintenance, Fuel.

2 Problem Definition & Design Thinking

2.1 Empathy Map

The screenshot shows a Mural board titled "Vehicle Management System". At the top, there is a table with the following data:

Date	17 March 2023
Team ID	NM2023TMID15148
Project Name	Vehicle Management System Using Sales force
Maximum Marks	5 Marks

Below the table is an "Empathy Map" diagram. The map is centered around a smiling face icon and is divided into four quadrants: "THINK & FEEL?", "SEE?", "HEAR?", and "SAY & DO?". Various yellow sticky notes are placed within these quadrants, representing user needs and pain points. To the right of the map, there is a small wireframe of a mobile application interface. The bottom of the screen shows a Windows taskbar with icons for Start, Search, Task View, Edge browser, File Explorer, Mail, and File History, along with system status indicators like battery level and signal strength.

2.2 Ideation & Brainstorming Map

The image displays three screenshots of the Mural app interface, showing different stages of ideation and planning for a vehicle management system.

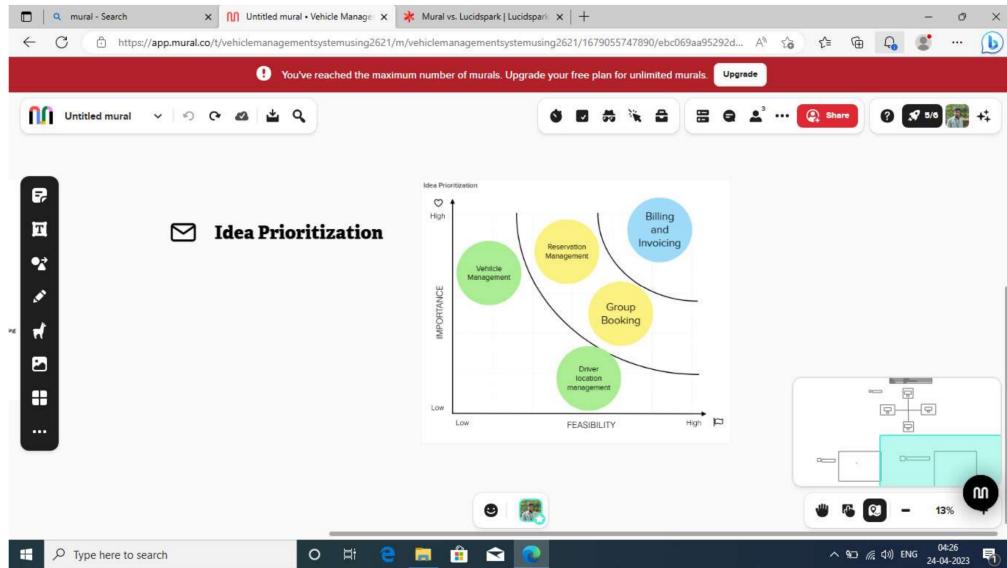
Group Ideas: This screenshot shows a central diagram titled "Group Ideas" featuring a blue car icon surrounded by various icons representing different system components: "Fuel Management" (gas pump), "Notification & Alert System" (bell), "Vehicle & Driver Allocation" (car and person), "Reports" (document), "GPS Tracking" (satellite dish), "Service & Repairing" (hands), "Vehicle Documents" (file folder), "Insurance Details" (shield), "Registration, Renewal" (refresh symbol), and "Accident & Infractions" (car with exclamation mark). To the left is a sidebar with drawing tools, and to the right is a small inset map.

Brainstorm: This screenshot shows a brainstroming diagram with a central circle containing a yellow icon, connected to four diamond-shaped boxes labeled "Start", "End", "Process", and "Decision". Below the diagram is a table:

Date	17 March 2023
Name	Mural221024
Project Name	Vehicle Management System Using Blockchain
Description	System

Table: This screenshot shows a table with the same data as the Brainstorm section:

Date	17 March 2023
Name	Mural221024
Project Name	Vehicle Management System Using Blockchain
Description	System

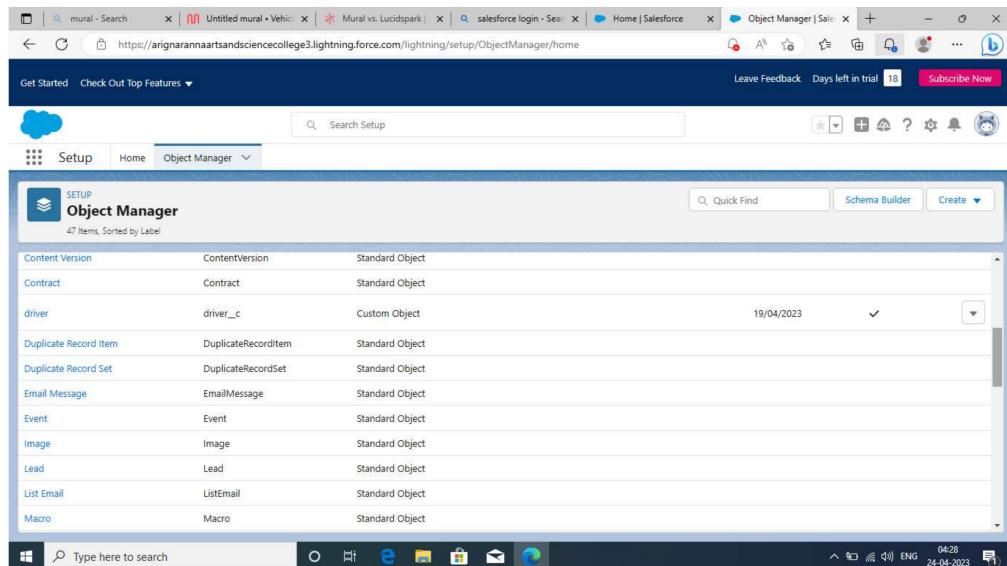


3 Result

3.1 Data Model

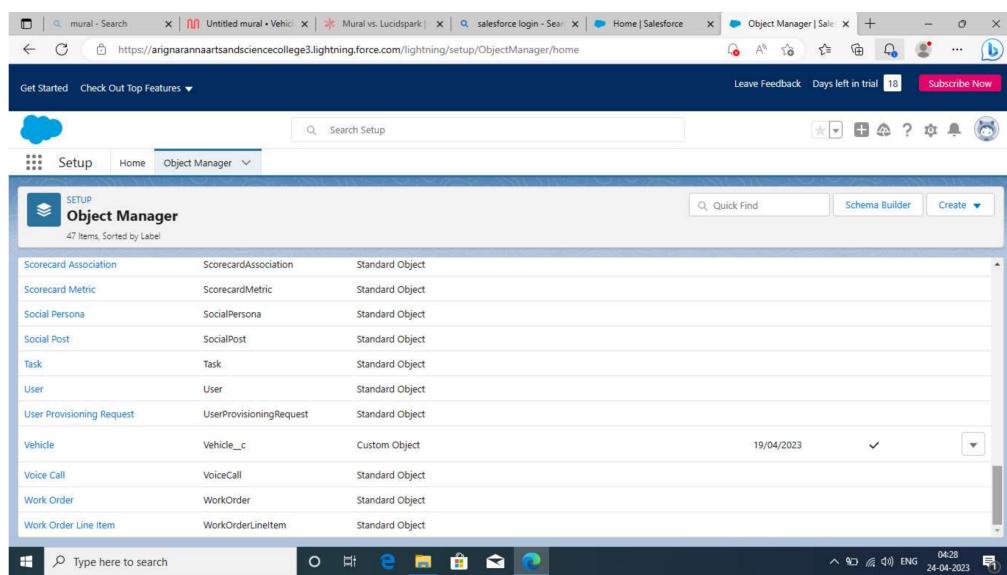
Object Name	Field in the Object	
	Field label	Data type
Vehicle	Customer Name	Text (30)
	Mileage	Text (10)
	Vehicle Type	Picklist (Multi select)
	Seats	Number (52,0)
Driver	Driver Name	Text (30)
	Mobile Number	Number (20)
	Licence No	Text (20)
	Owner	Lookup (User,Group)
	Vehicle	Lookup (Vehicle)

3.2 Activity and Screenshot



The screenshot shows the Salesforce Object Manager page. The URL is https://arignarannaartsandsciencecollege3.lightning.force.com/lightning/setup/ObjectManager/home. The page title is "Object Manager". It displays a list of 47 standard objects, each with its name, label, and object type. The objects listed are: Content Version, Contract, driver, Duplicate Record Item, Duplicate Record Set, Email Message, Event, Image, Lead, List Email, Macro, Scorecard Association, Scorecard Metric, Social Persona, Social Post, Task, User, User Provisioning Request, Vehicle, Voice Call, Work Order, and Work Order Line Item. The "Standard Object" label is present for most items, except for "driver" which is "Custom Object". A date field "19/04/2023" is visible next to the "driver" entry.

Name	Label	Type
Content Version	ContentVersion	Standard Object
Contract	Contract	Standard Object
driver	driver_c	Custom Object
Duplicate Record Item	DuplicateRecordItem	Standard Object
Duplicate Record Set	DuplicateRecordSet	Standard Object
Email Message	EmailMessage	Standard Object
Event	Event	Standard Object
Image	Image	Standard Object
Lead	Lead	Standard Object
List Email	ListEmail	Standard Object
Macro	Macro	Standard Object
Scorecard Association	ScorecardAssociation	Standard Object
Scorecard Metric	ScorecardMetric	Standard Object
Social Persona	SocialPersona	Standard Object
Social Post	SocialPost	Standard Object
Task	Task	Standard Object
User	User	Standard Object
User Provisioning Request	UserProvisioningRequest	Standard Object
Vehicle	Vehicle_c	Custom Object
Voice Call	VoiceCall	Standard Object
Work Order	WorkOrder	Standard Object
Work Order Line Item	WorkOrderLineItem	Standard Object



The second screenshot shows the same Object Manager page with a different set of 47 standard objects. The objects listed are: Scorecard Association, Scorecard Metric, Social Persona, Social Post, Task, User, User Provisioning Request, Vehicle, Voice Call, Work Order, and Work Order Line Item. The "Standard Object" label is present for all items.

Name	Label	Type
Scorecard Association	ScorecardAssociation	Standard Object
Scorecard Metric	ScorecardMetric	Standard Object
Social Persona	SocialPersona	Standard Object
Social Post	SocialPost	Standard Object
Task	Task	Standard Object
User	User	Standard Object
User Provisioning Request	UserProvisioningRequest	Standard Object
Vehicle	Vehicle_c	Custom Object
Voice Call	VoiceCall	Standard Object
Work Order	WorkOrder	Standard Object
Work Order Line Item	WorkOrderLineItem	Standard Object

The screenshot shows a course completion summary for a user named Naanmudhalvan. The title is "First Section" and it shows 24 / 24 complete. A list of 10 modules is shown, each with a checkmark and a "Review" button. The modules are: Discover Salesforce Customer 360, Get to Know Customer 360, Introduction to trailhead, Salesforce platform basics, Exposure to Contacts, App Exchange Basics, Deep Dive into App Exchange, What Is Salesforce and CRM?, and Search solutions basics. To the right is a large orange circular profile picture of Naanmudhalvan. Below the profile picture is a button labeled "Teach online with teachable". The browser address bar shows the URL: https://naanmudhalvan.teachable.com/courses/enrolled/2020751.

The screenshot shows the Salesforce Reports page. The top navigation bar includes links for Sales, Home, Leads, Accounts, Contacts, Opportunities, Quotes, Campaigns, Forecasts, Reports, Dashboards, Calendar, and More. The main content area displays a table of recent reports. The columns are: Report Name, Description, Folder, Created By, Created On, and Subscribed. The table contains three rows of data:

Report Name	Description	Folder	Created By	Created On	Subscribed
Marketing Exec Leads by Source	Sales and Marketing Reports	Ravi P	11/4/2023, 6:18 pm		
Sales Person Activity	Sales and Marketing Reports	Ravi P	11/4/2023, 6:18 pm		
Sales Exec Pipeline	Sales and Marketing Reports	Ravi P	11/4/2023, 6:18 pm		

The sidebar on the left shows categories like Reports, Recent, Created by Me, Private Reports, Public Reports, All Reports, Folders, All Folders, Created by Me, and Shared with Me. The browser address bar shows the URL: https://arignarannaartsandsciencecollege3.lightning.force.com/lightning/o/Report/home?queryScope=mru.

4 Trailhead Profile & Public URL

Team Lead - <https://trailblazer.me/id/ravi150>

Team Member 1 - <https://trailblazer.me/id/vijat15>

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

Team Member 3 - <https://trailblazer.me/id/udhayas1>

5 Advantages & Disadvantages

➤ Advantages

- Improve fleet safety and working conditions
- Improve the behaviour and performance of drivers and prevent unsafe driving
- Schedule shifts and works hours
- Schedule routine maintenance
- Manage fuel efficiency
- Keep track of malfunctions
- Track mileage and manage deductible expenses

➤ Disadvantages

- Active tracking based Vehicle management system requires monthly subscription charges and data usage charges
- It requires skilled resources to maintain such system . This increases maintenance costs.
- GPS device used in vehicle management system is power hungry which drains battery faster.

6 Applications

- In computer system the person has to fill the various forms & number of copies of the forms can be easily generated at a time.
- In computer system, it is not necessary to create the manifest but we can directly print it, which saves our time
- To assist the staff in capturing the effort spent on their respective working areas.

- The system generates types of information that can be used for various purposes
- It satisfies the user requirement
- Be easy to understand by the user and operator

7 Conclusion

Our project is only a humble venture to satisfy the needs to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The objective of software planning is to provide a frame work that enables the manager to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

8 Future Scope

- We can add printer in future
- . We can give more advance software for Vehicle Management System including more facilities
- We will host the platform on online servers to make it accessible worldwide
- Integrate multiple load balancers to distribute the loads of the system
- Create the master and slave database structure to reduce the overload of the database queries.