

PROJECT REPORT



VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

1 INTRODUCTION

1.1 Overview

Vehicle Management System using Salesforce

Vehicle Management is an application where a customer Details are stored in order to choose cars,bikes and commercial vehicles for travel with in 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.

Milestone 1:Creation Salesforce Org : Salesforce is your customer success platform, designed to help you sell, service, market, analyze, and connect with your customers

Milestone-2:Object : Standard Objects:Account,Contact,Opportunity.
Custom objects:Vehicles,Drivers

Milestone -3:Fields and Relationship : An object relationship in Salesforce is a two-way association between two objects.

Milestone-4:Lightning App : Apps in Salesforce are a group of tabs that help the application function by working together as a unit. It has a name, a logo, and a particular set of tabs. The simplest app usually has just two tabs.

Milestone-5: Profile : A profile is a group/collection of settings and permissions that define what a user can do in salesforce.

Milestone-6: Users : A user is **anyone who logs in to Salesforce**. Users are employees at your company, such as sales reps, managers, and IT specialists, who need access to the company's records.

Milestone-7:Reports : A report is a list of records that meet the criteria you define. It's displayed in Salesforce in rows and columns, and can be filtered, grouped, or displayed in a graphical chart.

1.2 Purpose

- Compatible with Salesforce Lightning.
- User has the option to link the driver with the specific vehicle.
- A separate tab for listing of drivers and assigning routes to them. It allows to manage the assigned cabs dispatched for particular route
- Details about the Vehicle & Driver

2 Problem Definition & Design Thinking

2.1 Empathy Map

Vehicle Management System :



Vehicle Manegement system using Salesforce



Vehicle
Management
System
using
Salesforce

Sales of Vehicles



Says

What have we heard them say?
What can we magine them saying?

Compare to
Other
Vehicles

Thinking of
Vehicle
Price

Check the
Quality of
vehicles

what are the
scheme of
vehicles?

Vehicle
Specifications
& Benefits

Thinks

What are their wants, needs, hopes,
and dreams? What other thoughts
might influence their behavior?

Much needed
the vehicle
warranty to
coustomers

Install the
advanced
system in
vehicle

More
Specifications
in vehicles

Vehicles
Colour &
design

Quality of
vehicles

Vehicle Management System using
Salesforce



Coustomers overhinking about
vehicle

Coustomers will like a vehicle to
bought

Insurance Details

Service & Repair

Coustomers
is very
excited

Guide to
vehicle
management

To bought a new vehicle
his very happy

Coustomers know that details about
vehicle

Fuel
Management

Vehicle Documents

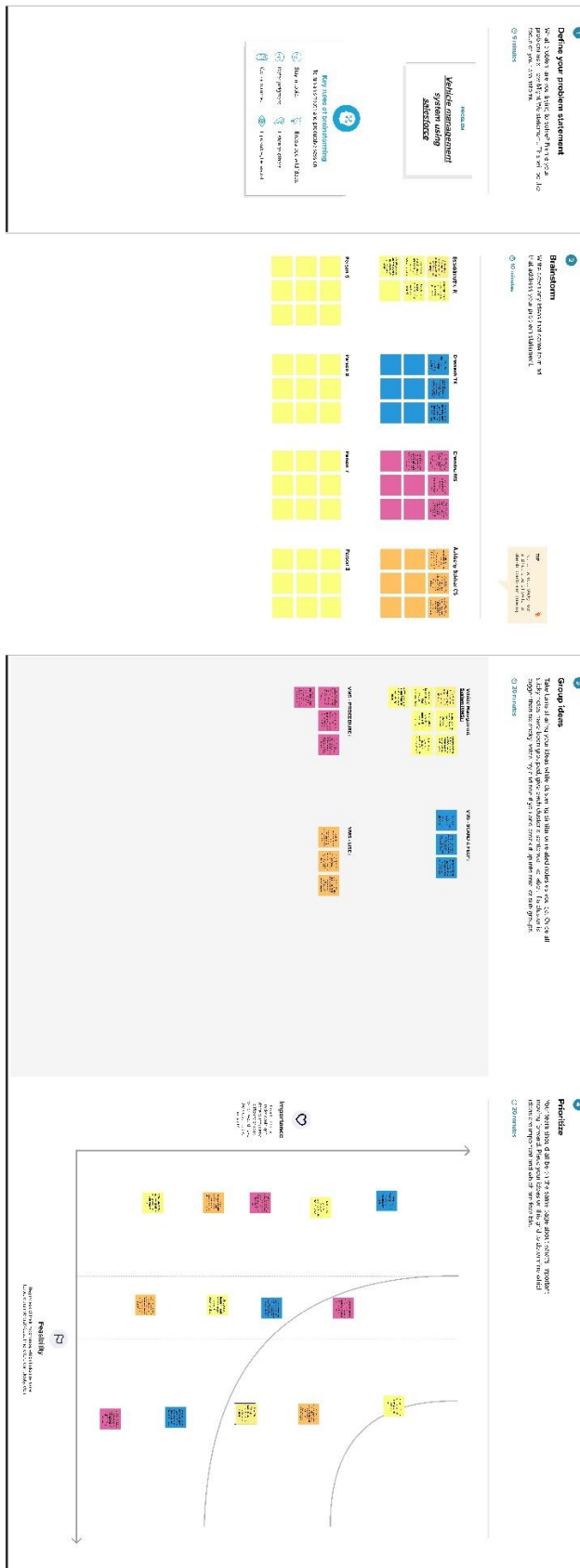
Does

What behavior have we observed?
What can we imagine them doing?

Feels

What are their fears, frustrations, and
anxieties? What other feelings might
influence their behavior?

2.2 Ideation & Brainstorming Map



3 RESULT

3.1 Data Model :

Object name	Fields in the Object	
Vehicles objects	Field label	Data type
	Customer Name	Text
	Customer Mobile No	Number
	Vehicle Type i)2 wheeler ii)4 wheeler	Picklist
	2WHEELERS i) HERO ii)HONDA iii)BAJAJ iv)ROYAL ENFIELD v)TVS vi)KINETIC vii)OLA viii)JAWA ix)SD x)BATTERY	Picklist
	4WHEELERS i) RENAULT ii)SKODA iii) HONDA iv)HYUNDAI v)SUZUKI vi)MAHINDRA vii)VOLKSWAGEN viii)BENZ ix)AUDI x)VOLVO	Picklist
	Vehicle Name	Text

Vehicle No		Text
	Chassic No	Text
	Colour	Text
	Body Type	Text
	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
	Condition i)Good ii)Medium iii)Least	Picklist
	Mileage	Text
	Seats	Number
	Start Date	Date/Time
	End Date	Date/Time
	Opportunity	Lookup(opportunities)
Driver objects		
	Field label	Data type
	Driver Name	Text

	Licence No	Text
	Mobile No	Number
	Fair Per Hour	Text
	Vehicle	Lookup(Vehicle)

3.2 Activity & Screenshot

The screenshot shows the Salesforce Setup interface. The top navigation bar includes the Salesforce logo, a search bar labeled "Search Setup", and several utility icons. The main navigation menu on the left includes "Setup", "Home", and "Object Manager". The "Object Manager" section is expanded, showing a list of objects: "Details", "Fields & Relationships", "Page Layouts", "Lightning Record Pages", "Buttons, Links, and Actions", "Compact Layouts", "Field Sets", "Object Limits", and "Record Types". The "Fields & Relationships" section is selected, displaying a table of fields for the "Vehicle" object. The table has columns for "FIELD LABEL", "FIELD NAME", "DATA TYPE", "CONTROLLING FIELD", and "INDEXED". The table lists five fields: "2WHEELERS", "4WHEELERS", "Body Type", "Chassic No", and "Colour". Each field has a corresponding field name, data type, and controlling field. The "INDEXED" column shows a dropdown arrow for each field.

Fields & Relationships
22 Items, Sorted by Field Label

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
2WHEELERS	X2WHEELERS__c	Picklist	Vehicle Type	
4WHEELERS	X4WHEELERS__c	Picklist	Vehicle Type	
Body Type	Body_Type__c	Text(18)		
Chassic No	Chassic_No__c	Text(18)		
Colour	Colour__c	Text(18)		

https://govtartscollege12-dev-ed.develop.lightning.force.com/one/one.app#/setup/ObjectManager/0112w000003p8KM/FieldsAndRelationships/view



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

Fields & Relationships

10 Items, Sorted by Field Label

Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Currency	CurrencyIsoCode	Picklist		
Driver Name	Driver_Name__c	Text(18)		
Driver Name	Name	Text(80)		✓
Fair Per Hour	Fair_Per_Hour__c	Text(18)		
Last Modified By	LastModifiedById	Lookup(User)		

salesforce



Search...

Search

Switch to Lightning Experience

5116 Esakki Muthu R

Setup

Help

Content

Home Chatter Libraries Content Subscriptions Vehicles Drivers

It's Better in Lightning

Move to Lightning Experience and give your users a productivity boost.

Tell Me More

Check Readiness

Quick Find / Search...

Expand All | Collapse All



Lightning Experience
Transition Assistant

Move to the new, more productive
Salesforce.

Get Started

Salesforce Mobile Quick Start

Profile

Vehicle Manager

Help for this Page

Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information.

If your organization uses Record Types, use the Edit links in the Record Type Settings section below to make one or more record types available to users with this profile.

[Login IP Ranges](#) | [Enabled Apex Class Access](#) | [Enabled Visualforce Page Access](#) | [Enabled External Data Source Access](#) | [Enabled Named Credential Access](#) | [Enabled Custom Metadata Type Access](#) | [Enabled Custom Setting Definitions Access](#) | [Enabled Flow Access](#) | [Enabled Service Presence Status Access](#) | [Enabled Custom Permissions](#)

Profile Detail

Edit Clone Delete View Users

Name	Vehicle Manager
User License	Salesforce
Description	
Created By	5116 Esakki Muthu R, 13/04/2023, 2:09 pm
Modified By	5116 Esakki Muthu R, 13/04/2023, 2:10 pm

salesforce



Search...

Search

Switch to Lightning Experience

5116 Esakki Muthu R

Setup

Help

Content

Home Chatter Libraries Content Subscriptions Vehicles Drivers

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Lightning Experience
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Salesforce.

Get Started

Salesforce Mobile Quick Start

Home

Administer

Release Updates

Manage Users

Users

All 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 User

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	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	Chatter Expert	Chatter	chatty0002w000000rnm7eaj.esakki@98h@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit	Muthu R. 5116 Esakki	5Muth	5116esakkimuthu@organization.com		✓	System Administrator
<input type="checkbox"/> Edit	Sekhar CS. Ashberry	asekh	bendiesel12312@gmail.com	Operator 2	✓	operator profile
<input type="checkbox"/> Edit	Teddy John	oms	tjohn@yellow1.com	Vehicle Manager	✓	Vehicle Manager
<input type="checkbox"/> Edit	Tx. Dhaneesh	itedd	dhaneesh2002@gmail.com	Operator 1	✓	operator profile
<input type="checkbox"/> Edit	User Integration	integ	integration@00d2w000000rnm7eaj.com		✓	Analytics Cloud Integration User
<input type="checkbox"/> Edit	User Security	sec	insightsecurity@00d2w000000rnm7eaj.com		✓	Analytics Cloud Security User

The screenshot displays the Salesforce Reports interface. The top navigation bar includes the Salesforce logo, a search bar, and various icons. The main navigation menu shows 'Sales', 'Home', 'Opportunities', 'Leads', 'Tasks', 'Files', 'Accounts', 'Contacts', 'Campaigns', 'Dashboards', 'Reports', 'Chatter', 'Groups', and 'More'. The 'Reports' tab is selected, and the report 'Vehicle and Customer Details' is open. The report is in preview mode, showing a message: 'Previewing a limited number of records. Run the report to see everything.' The columns are: Vehicle: Vehicle Name, Customer Name, Customer Mobile No, and Chassic No. The report is titled 'Vehicle and Customer Details' and is dated 'As of 14-Apr-2023, 4:32 am-Viewing as 5116 Esakki Muthu R'.

4 Trailhead Profile Public URL

Team Lead — <https://trailblazer.me/id/chandru459>

Team Member 1 - <https://trailblazer.me/id/muthur5>

Team Member 2 - <https://trailblazer.me/id/d51tkd>

Team Member 3 – <https://trailblazer.me/id/asekhar14>

5 ADVANTAGES & DISADVANTAGE

Advantages :

Accessing of vehicle documents becomes easy and time saving

Renewal of statutory documents on timely manner avoids any legal confrontation

No duplication ensures accuracy of vehicle data

Disadvantage :

Uneducated peoples cannot use this vehicle system development....

Sometimes vehicle and driver information may be incorrect.

Infrastructure Needs: You'll face issues using vehicle management software systems if you don't have proper network infrastructure. Without a stable Internet connection at all times, you will be missing out on the 'real-time' aspect of these systems. However, you can hardly do anything effectively without proper network infrastructure anyway.

6 APPLICATIONS

Vehicle management system is an automated software for the transportation industry or an organization which owns a large number of vehicle & 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 It helps a business to boost up some outstanding criteria including the daily management of vehicles fuel and services management cost & inventory management etc

Bdtask has designed the most modern vehicle management software to manage large vehicles and fleets This system processes and analyzes every single data of all vehicles It is an online based software which is really helpful for Bus Car Taxi Cover Van & Truck operators to manage everyday workflow and performance

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 at the requirements of the school.

We describe the requirement Specifications of the system and the actions that can be done on these things.

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

- * Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers

The above mentioned points are the enhancements which can be done to increase the applicability and usage of this project. Here we can maintain the records of Vehicle and Driver. Also, as it can be seen that now-a-days the players are versatile, i.e. so there is a scope for introducing a method to maintain the Vehicle Management System. Enhancements can be done to maintain all the Vehicle, Driver, Insurance, Maintanance, Fuel. We have left all the options open so that if there is any other future requirement in the system by the user for the enhancement of the system then it is possible to implement them. In the last we would like to thanks all the persons involved in the development of the system directly or indirectly. We hope that the project will serve its purpose for which it is develop there by underlining success of process.
