

PROJECT REPORT TEMPLATE

Vehicle Management using for salesforce

1. Introduction

Overview

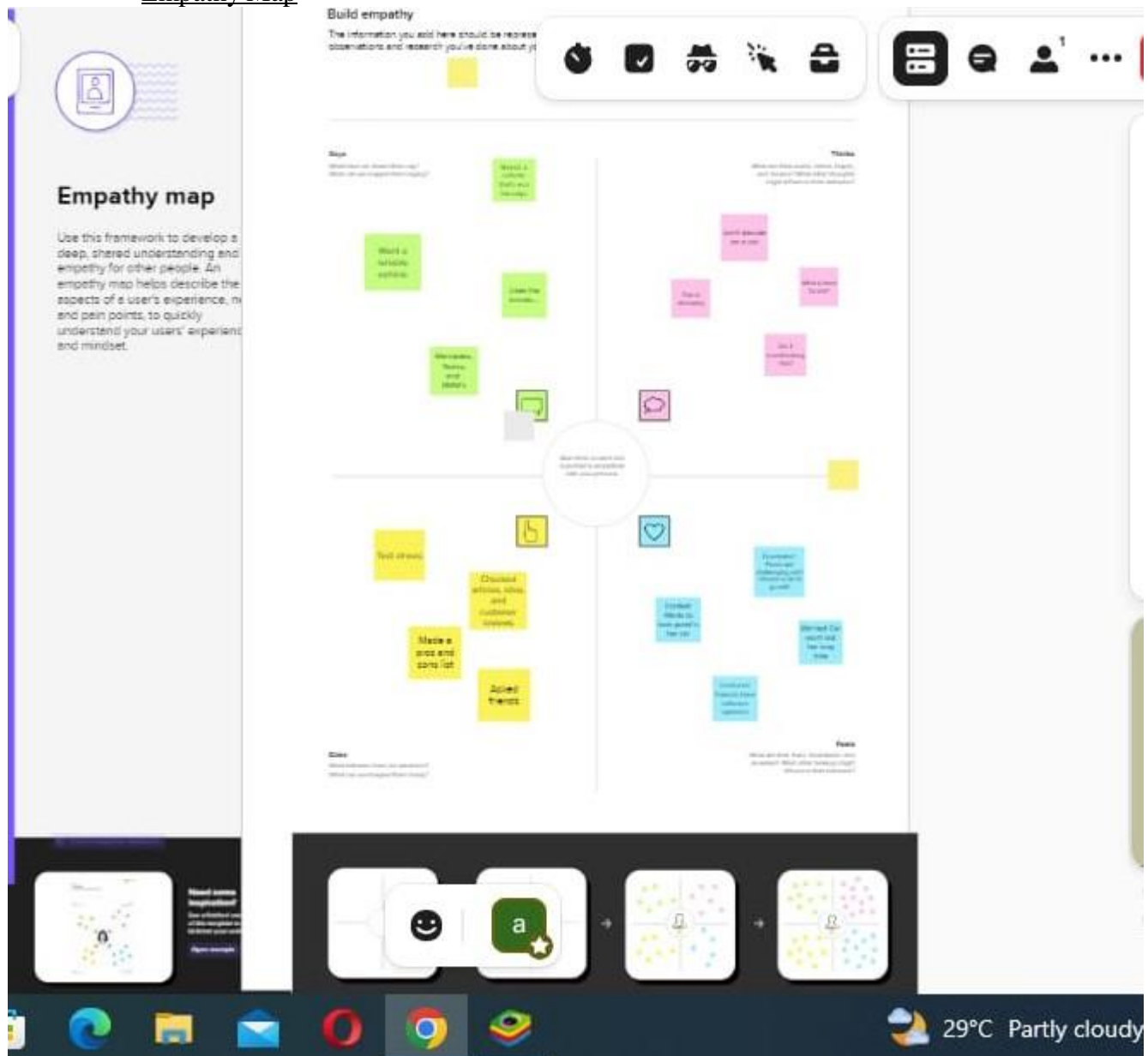
- (i) The “Vehicle Management System” has been developed to override the problems prevailing in the practical manual system.
- (ii) This software is supported to eliminate and in some cases reduce to eliminate and in some cases reduce the hardships faced by this existing system.
- (iii) Moreover this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.
- (iv) Every organization, whether big or small, has challenges to overcome and managing the informations of Driver, Vehicle, Maintanance, Vehicle Type, Fuel.
- (v) Every Vehicle Management System has different Vehicle needs, therefore we design exclusive employee management systems that are adapted to your managerial requirements.
- (vi) This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals.
- (vii) Also, for those busy executive who are always on the go, our systems come with remote access features, which will allow you to manage your workforce anytime, at all times.
- (viii) These systems will ultimately allow you to better manage resources.

Purpose

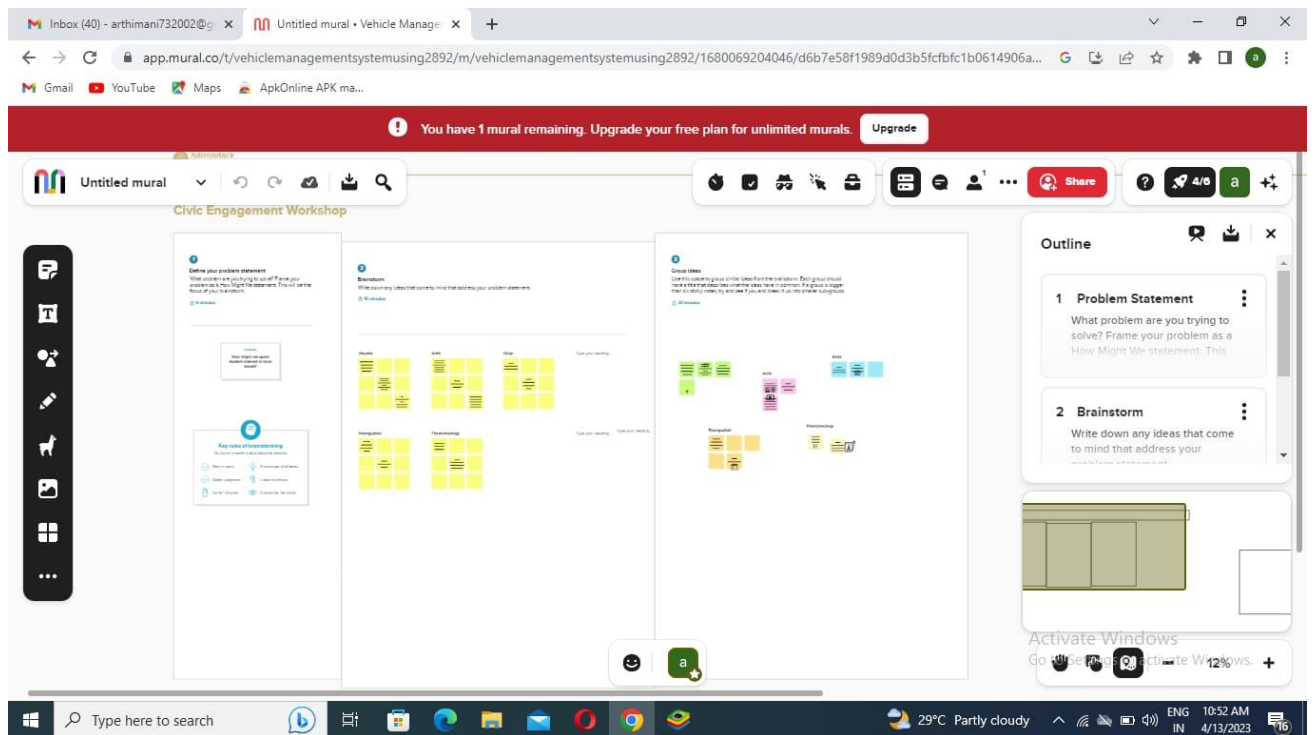
- (i) Provides the searching facilities based on various factors. Such as Vehicle, Insurance, Maintenance, Fuel.
- (ii) Vehicle Management System also manage the Vehicle Type details online for Maintenance details, Fuel details Vehicle.
- (iii) It tracks all the information of Driver, Vehicle Type Maintenance ect
- (iv) Manage the information of Driver
- (v) Shows the information and description of the Vehicle, Insurance
- (vi) To increase efficiency of managing the Vehicle, Driver
- (vii) It deals with monitoring the information and transactions of Maintenance
- (viii) Manage the information of vehicle.

2 Problem Definition & Design Thinking

Empathy Map



Ideation and Brainstorming Map



3 Result

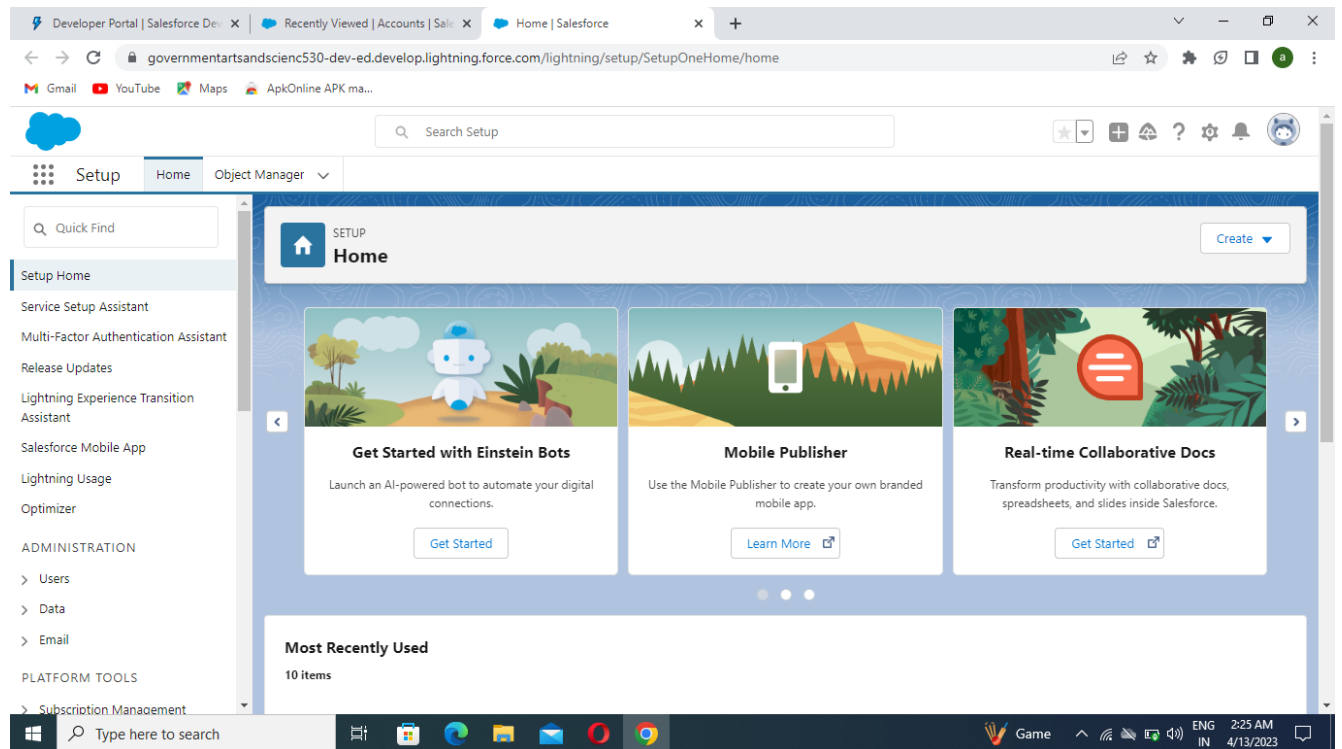
Data Model

Object Name	Fields in the object	
Account	Field label	Data type
	City	Text
	Start Date	Date/Time
	Event Name	Master-detail relationship
	End Date	Date/Time
<u>Contacts</u>	Field label	Data type
	Id	Auto Number
	Phone	Phone
	Email	Email
<u>Opportunity</u>	Field label	Data type
	Bio	Text Area

	e-mail	Email
<u>Vehicle</u>	Field label	Data type
	e-mail	Email
	Phone	Phone
	Service Provider	Text
	Event name	Look-up Relationship
<u>Driver</u>	Field label	Data type
	Tickets	Picklist

Activity and Screenshot

Milestone 1:



Milestone 2:- Object

The screenshot shows the Salesforce Object Manager interface for the 'Vehicle' object. The 'Fields & Relationships' section is active, displaying a table of 21 items sorted by Field Label. The table includes columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed status. The following table represents the data visible in the screenshot:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
2 WHEELERS	X2_Wheelers__c	Picklist		
4 WHEELERS	X4_WHEELERS__c	Picklist		
Body Type	Body_Type__c	Text(18)		
Chassic No	Chassic_No__c	Text(10)		
Colour	Colour__c	Text(24)		
Condition	Condition__c	Picklist		
Created By	CreatedById	Lookup(User)		

Activity 1:

Activity 2:

The screenshot shows the Salesforce Object Manager interface for the 'Driver' object. The browser address bar displays the URL: `governmentartsandscienc530-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0115i000000wZNa/Details/view`. The page title is 'SETUP > OBJECT MANAGER Driver'. The left sidebar contains a navigation menu with the following items: Details (selected), Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area, titled 'Details', includes a description field and several configuration options: API Name (Drivers__c), Custom (checked), Singular Label (Driver), Plural Label (Drivers), Enable Reports (checked), Track Activities (checked), Track Field History (checked), Deployment Status (Deployed), Help Settings (Standard salesforce.com Help Window), and Edit/Delete buttons.

Activity 3:

The screenshot shows the Salesforce Object Manager interface for the 'Vehicle' object. The browser address bar displays the URL: `governmentartsandscienc530-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0115i000000wZHq/Details/view`. The page title is 'SETUP > OBJECT MANAGER Vehicle'. The left sidebar contains a navigation menu with the following items: Details (selected), Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area, titled 'Details', includes a description field and several configuration options: API Name (Vehicles__c), Custom (checked), Singular Label (Vehicle), Plural Label (Vehicles), Enable Reports (checked), Track Activities (checked), Track Field History (checked), Deployment Status (Deployed), Help Settings (Standard salesforce.com Help Window), and Edit/Delete buttons.

Milestone 3:- Tab

Activity 1: Creation of Event Tab

The screenshot displays a web browser window with the Salesforce Developer Portal. The address bar shows the URL: `governmentartsandscienc530-dev-ed.develop.lightning.force.com/lightning/o/Vehicles__c/list?filterName=Recent`. The browser's taskbar at the bottom includes icons for Gmail, YouTube, Maps, and ApkOnline APK manager.

The Salesforce interface features a top navigation bar with the following tabs: **Vehicle Management**, **Accounts**, **Contacts**, **Opportunities**, **Vehicles** (selected), **Drivers**, **Reports**, and **Dashboards**. A search bar is located to the right of the navigation tabs.

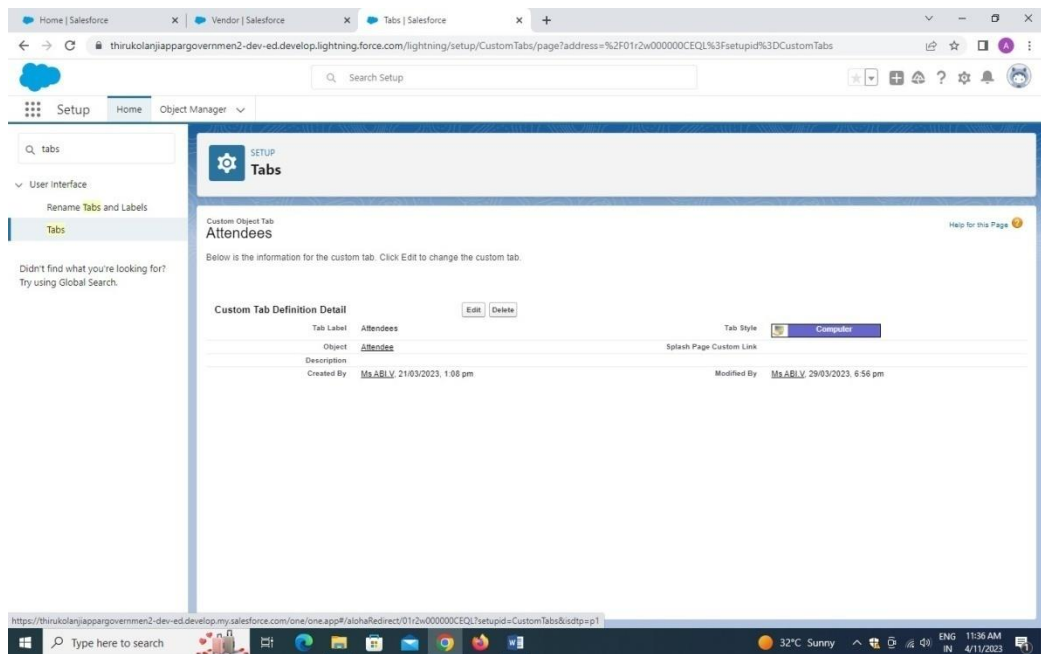
The main content area is titled **Vehicles** and **Recently Viewed**. It includes a sub-header with the text "5 items • Updated a few seconds ago" and a search input field labeled "Search this list...". To the right of the search field are icons for settings, list view, refresh, edit, and filter.

Below the header is a table listing five vehicles. Each row contains a checkbox, a number, and a driver name. The driver names are: **Thamizharasan**, **Selvam**, **Selvakumar**, **Iyyappan**, and **Vinoth**. Each row also has a dropdown arrow on the right side.

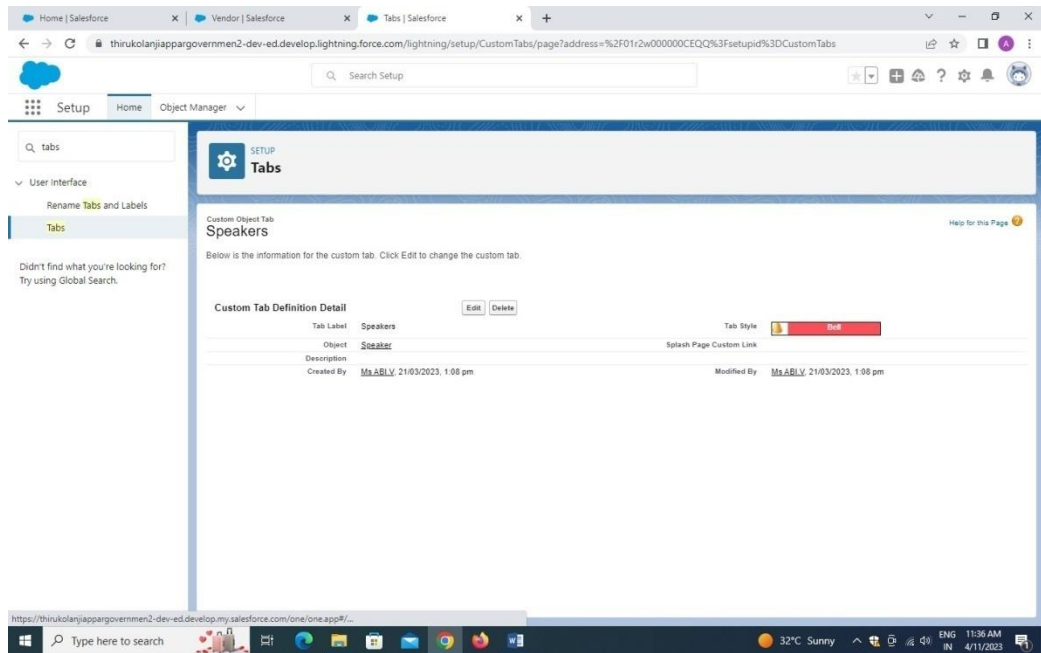
The Windows taskbar at the bottom shows the search bar with the text "Type here to search", several application icons, and system status information: **38°C Sunny**, **ENG IN**, and **2:18 AM 4/13/2023**.

	<input type="checkbox"/>	Driver Name	
1	<input type="checkbox"/>	Thamizharasan	▼
2	<input type="checkbox"/>	Selvam	▼
3	<input type="checkbox"/>	Selvakumar	▼
4	<input type="checkbox"/>	Iyyappan	▼
5	<input type="checkbox"/>	Vinoth	▼

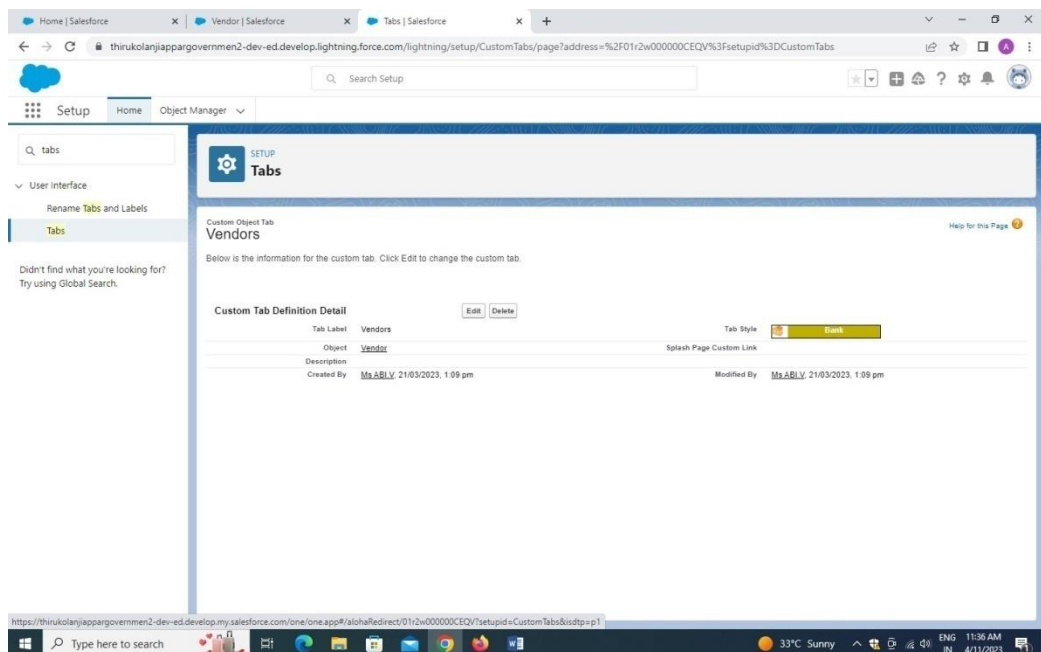
Activity 2: Creation of Attendee Tab



Activity 3: Creation of Speaker Tab

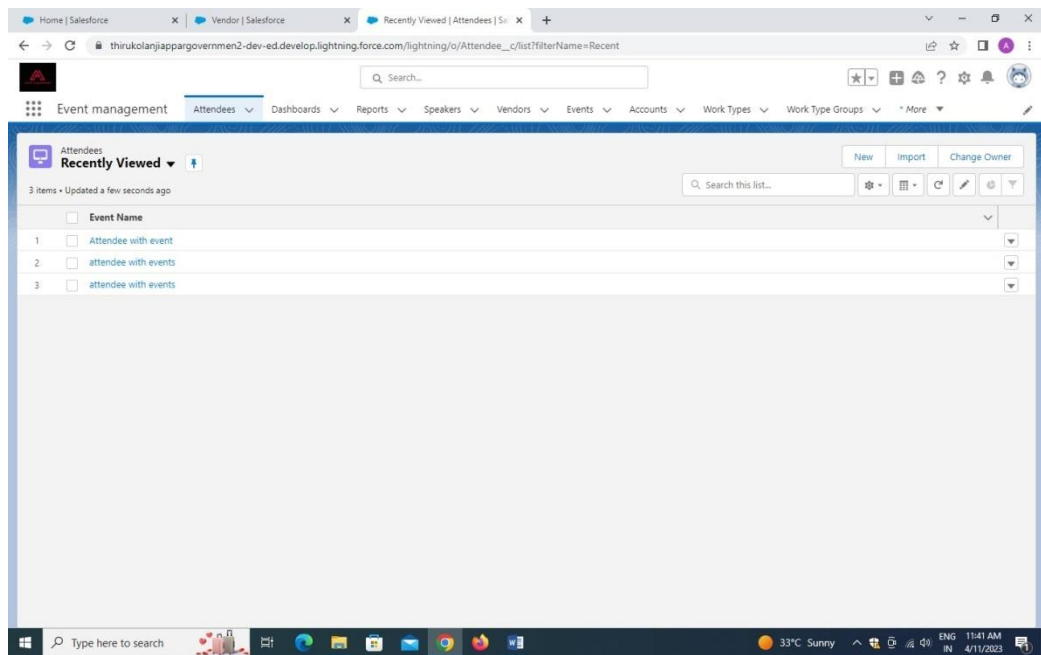


Activity 4: Creation of Vendor Tab



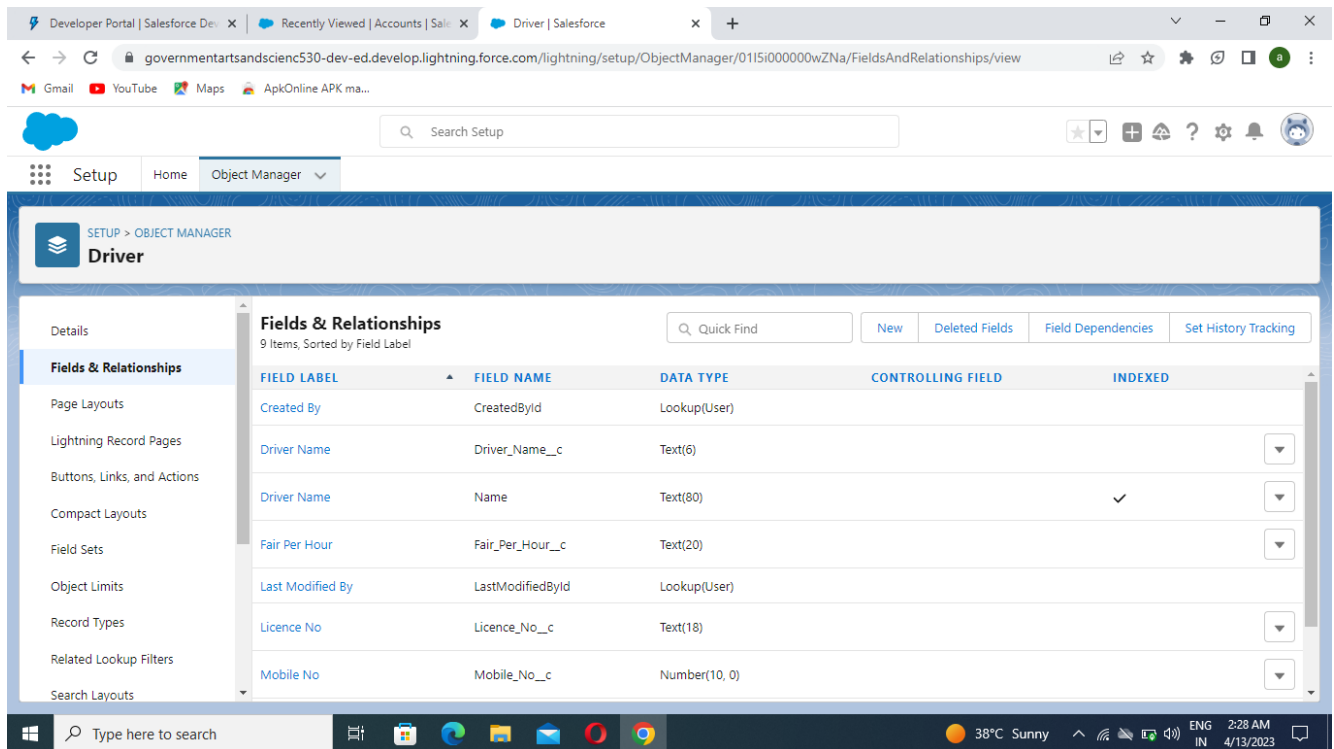
Milestone 3 :- Application

Activity: Create the event management construction App



Milestone 4:- Fields

Activity 1: Creation of Fields for the event objects



Activity 2: Creation of Fields for the Attendee objects

Home | Salesforce x Vendor | Salesforce x Student | Salesforce x +

thirukolanjappargovermen2-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w00003o5PH/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Student

Details

Fields & Relationships
5 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)		
Event Name	Event_Name__c	Master-Detail(Event)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Student Name	Name	Text(80)		✓
Tickets	Tickets__c	Picklist		

Type here to search

33°C Sunny 11:45 AM IN 4/11/2023

Activity 3: Creation of Fields for the Speaker objects

Developer Portal | Salesforce Dev | Recently Viewed | Accounts | Sales | Driver | Salesforce

governmentartsandscienc530-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0115i000000wZNa/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Driver

Details

Fields & Relationships
9 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)		
Driver Name	Driver_Name__c	Text(6)		
Driver Name	Name	Text(80)		✓
Fair Per Hour	Fair_Per_Hour__c	Text(20)		
Last Modified By	LastModifiedById	Lookup(User)		
Licence No	Licence_No__c	Text(18)		
Mobile No	Mobile_No__c	Number(10, 0)		

Type here to search

38°C Sunny 2:28 AM 4/13/2023

Activity 4: Creation of Fields for the Vendor objects

Developer Portal | Salesforce Dev | Recently Viewed | Accounts | Sales | Driver | Salesforce

governmentartsandscienc530-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0115i000000wZNa/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Driver

Details

Fields & Relationships
9 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

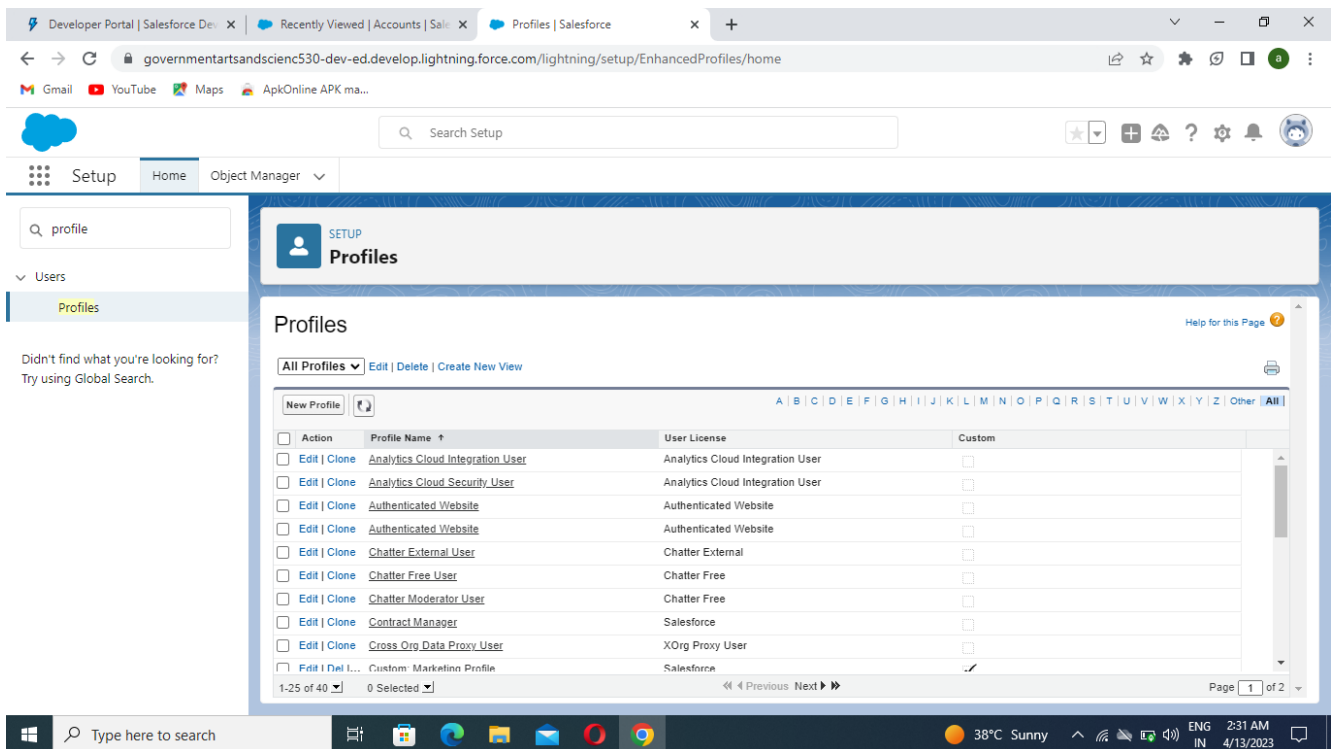
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Driver Name	Driver_Name__c	Text(6)		
Driver Name	Name	Text(80)		✓
Fair Per Hour	Fair_Per_Hour__c	Text(20)		
Last Modified By	LastModifiedById	Lookup(User)		
Licence No	Licence_No__c	Text(18)		
Mobile No	Mobile_No__c	Number(10, 0)		

Type here to search

38°C Sunny 2:28 AM 4/13/2023

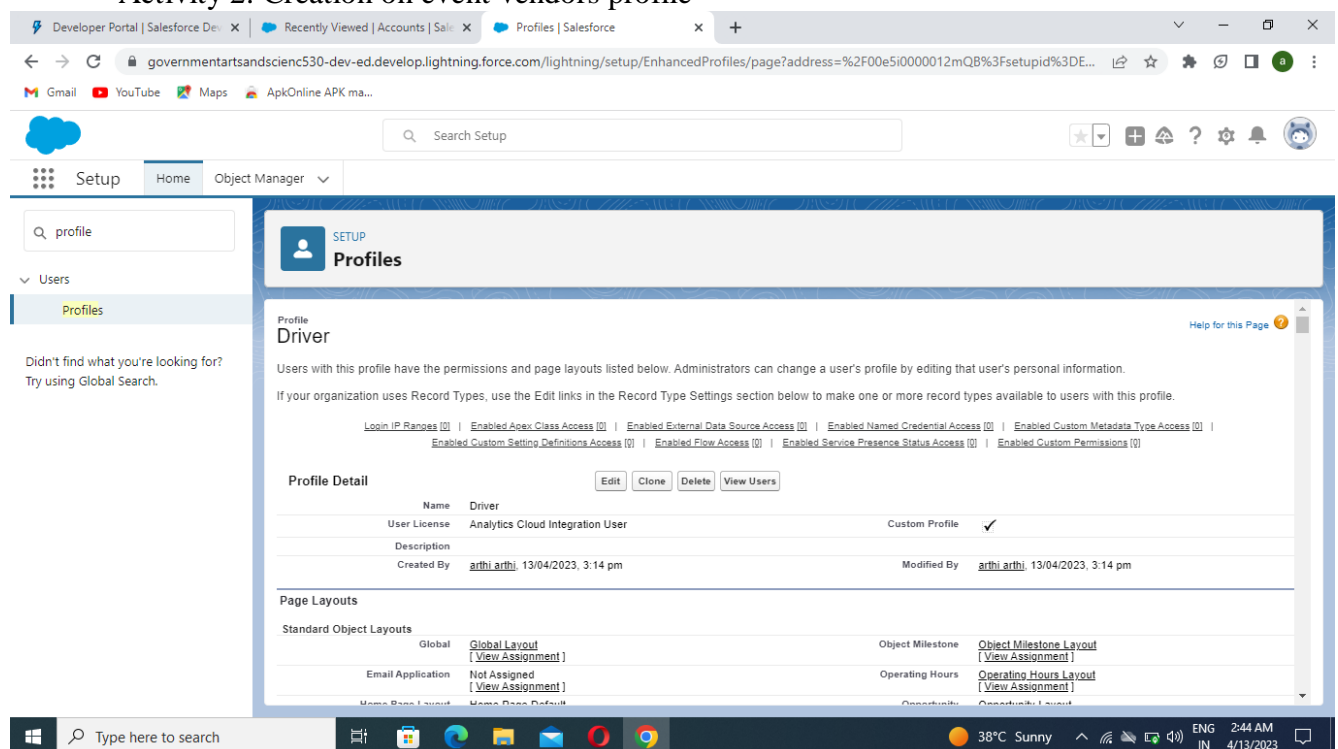
Milestone 5:- Profile

Activity 1: Creation on event user profile



The screenshot shows the Salesforce Setup interface for the 'Profiles' section. The left sidebar contains a search bar with 'profile' entered and a list of navigation items including 'Users' and 'Profiles'. The main content area displays a table of profiles with columns for 'Action', 'Profile Name', 'User License', and 'Custom'. The table lists various profiles such as 'Analytics Cloud Integration User', 'Analytics Cloud Security User', 'Authenticated Website', 'Chatter External User', 'Chatter Free User', 'Chatter Moderator User', 'Contract Manager', 'Cross Org Data Proxy User', and 'Custom: Marketing Profile'. At the bottom, there is a status bar showing '1-25 of 40' and '0 Selected'.

Activity 2: Creation on event vendors profile



The screenshot shows the Salesforce Setup interface for the 'Profile: Driver' page. The left sidebar contains a search bar with 'profile' entered and a list of navigation items including 'Users' and 'Profiles'. The main content area displays the details for the 'Driver' profile, including a description, a list of enabled permissions (Login IP Ranges, Enabled Apex Class 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), and a table of page layouts. The 'Profile Detail' section shows the profile name as 'Driver', user license as 'Analytics Cloud Integration User', and custom profile as checked. The 'Page Layouts' section shows the standard object layouts for Global, Email Application, and Maps Base Layout, along with the object milestone layout, operating hours layout, and opportunity layout.

Milestone 6:- User

Activity 1: Creating a User with username as Sanjay Gupta

The screenshot shows the Salesforce Setup page for a user named Girija Velu. The left sidebar contains a navigation menu with options like Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, and User Management Settings. The main content area displays the user's details in a table format.

User Detail		Edit		Sharing		Change Password	
Name	Girija Velu	Role					
Alias	avelu	User License	Salesforce				
Email	arhiman732002@gmail.com	Profile	System Administrator				
Username	velu@geetha.com	Active	<input checked="" type="checkbox"/>				
Nickname	geevelu	Marketing User	<input checked="" type="checkbox"/>				
Title		Offline User	<input checked="" type="checkbox"/>				
Company	Government arts and science college kallakurichi	Knowledge User	<input type="checkbox"/>				
Department		Flow User	<input type="checkbox"/>				
Division		Service Cloud User	<input checked="" type="checkbox"/>				
Address	IN	Site.com Contributor User	<input type="checkbox"/>				
Time Zone	(GMT+05:30) India Standard Time (Asia/Kolkata)	Site.com Publisher User	<input type="checkbox"/>				
Locale	English (India)	WDC User	<input type="checkbox"/>				

Activity 2: Creating a User with username as Rahul Sharma

The screenshot shows the Salesforce Setup page for a user named Anusha Govindhasami. The left sidebar contains a navigation menu with options like Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, and User Management Settings. The main content area displays the user's details in a table format.

User Detail		Edit		Sharing		Reset Password		Freeze	
Name	Anusha Govindhasami	User License	Chatter Free						
Alias	agovindh	Profile	Chatter Free User						
Email	noreply@chatter.salesforce.com	Active	<input checked="" type="checkbox"/>						
Username	anushagovindhasami07@gmail.com	Marketing User	<input type="checkbox"/>						
Nickname	Anusami	Offline User	<input type="checkbox"/>						
Title		Knowledge User	<input type="checkbox"/>						
Company	New Company Name	Flow User	<input type="checkbox"/>						
Department		Service Cloud User	<input type="checkbox"/>						
Division		Site.com Contributor User	<input type="checkbox"/>						
Address	xx	Site.com Publisher User	<input type="checkbox"/>						
Time Zone	(GMT-07:00) Pacific Daylight Time (America/Los_Angeles)	WDC User	<input type="checkbox"/>						
Locale	English (United States)	Mobile Push Registrations	View						

Milestone 7:- Permission Sets

Activity 1:

The screenshot shows the Salesforce Setup interface for the 'Users' section. The left sidebar contains navigation links: Users, Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, and User Management Settings. The main content area displays the details for user 'Arthi Mani'. At the top, there are links for 'Permission Set Assignments', 'Permission Set Assignments: Activation Required', 'Permission Set Group Assignments', 'Permission Set License Assignments', 'Personal Groups', 'Public Group Membership', 'Queue Membership', 'Team', 'Managers in the Role Hierarchy', 'OAuth Connected Apps', 'Third-Party Account Links', 'Installed Mobile Apps', 'Authentication Settings for External Systems', 'Login History', and 'User Provisioning Accounts'. Below these links is the 'User Detail' section with buttons for 'Edit', 'Sharing', 'Reset Password', and 'Freeze'. The user's information is as follows:

Field	Value	Field	Value
Name	Arthi Mani	Role	Salesforce
Alias	amani	User License	Vehicle Manager
Email	arthimani732002@gmail.com	Profile	Vehicle Manager
Username	arthimani732002@gmail.com	Active	<input checked="" type="checkbox"/>
Nickname	arthimani	Marketing User	<input type="checkbox"/>
Title		Offline User	<input type="checkbox"/>
Company		Knowledge User	<input type="checkbox"/>
Department		Flow User	<input type="checkbox"/>
Division		Service Cloud User	<input type="checkbox"/>
Address		Site.com Contributor User	<input type="checkbox"/>
Time Zone	(GMT+05:30) India Standard Time (Asia/Kolkata)	Site.com Publisher User	<input type="checkbox"/>
Locale	English (India)	WDC User	<input type="checkbox"/>

Activity 2:

The screenshot shows the Salesforce Setup interface for the 'Permission Sets' section. The left sidebar contains navigation links: Users, Permission Set Groups, Permission Sets, Custom Code, and Custom Permissions. The main content area displays the details for the 'Vendor Permits and Save' permission set. At the top, there are links for 'Find Settings', 'Clone', 'Edit Properties', and 'Manage Assignments'. Below these links is the 'Permission Set Overview' section with the following information:

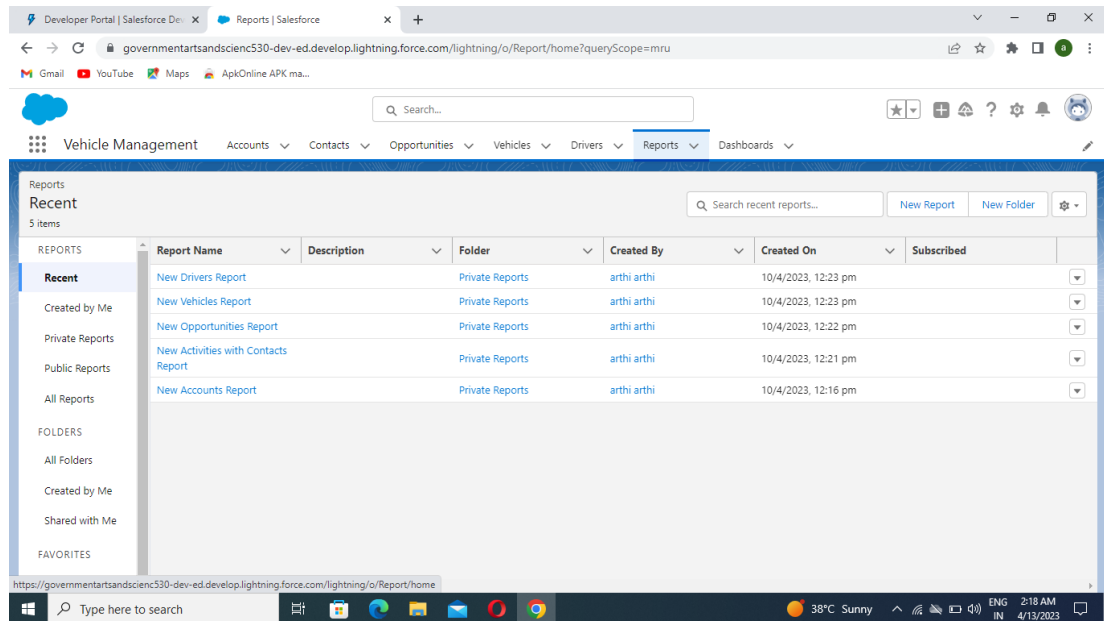
Field	Value
Description	Vendor Permits and Save
License	API Name: Vendor_Permits_and_Save
Session Activation Required	Namespace Profile
Last Modified By	Created By: Ma ABLY 27/03/2023, 12:39 pm

Below the overview is the 'Apps' section, which lists various permissions that can be assigned to the user. These include:

- Assigned Apps:** Settings that specify which apps are visible in the app menu.
- Assigned Connected Apps:** Settings that specify which connected apps are visible in the app menu.
- Object Settings:** Permissions to access objects and fields, and settings such as tab availability.
- App Permissions:** Permissions to perform app-specific actions, such as 'Manage Call Centers'.
- Apex Class Access:** Permissions to execute Apex classes.
- Visualforce Page Access:** Permissions to execute Visualforce pages.
- External Data Source Access:** Permissions to authenticate against external data sources.
- Flow Access:** Permissions to execute Flows.

Milestone 8:- Reports

Creating a Report:



4 Trailhead Profile Public URL

TEAM LEAD: ARTHI M

<https://trailblazer.me/id/amani264>

TEAM MEMBER 1: ANUSHA G

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

TEAM MEMBER 2: GIRIJA V

<https://trailblazer.me/id/gvelu14>

TEAM MEMBER 3: POONGUZHALI J

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

TEAM MEMBER 4: THAMIZHAZHAGI M

<https://trailblazer.me/id/thamm100>

5 Advantages and Disadvantages

List of Advantages

- Key benefits to a vehicle management system
- The entire fleet on a single screen, in real time
- Vehicle status, readily available
- Driver and vehicle safety and reliability
- Improved fuel efficiency, minimized fuel fraud
- Improved lifespan for vehicles and equipment
- Better reporting on driver behavior, work hours and vehicle performance
- Reduced maintenance and labor costs

- Tax deduction and insurance benefits
- Improved capacity, more growth
- Driver satisfaction and retention
- Better customer service, happier customers

List of Disadvantages

- ✓ They will do a risk analysis, create plans and implement procedures.
- ✓ You need to pay them in addition to other event costs.
- ✓ The vehicle management come any does not know anything about your company unless you tell them.
- ✓ Like many other creative fields, this profession demands long hours of hard works it is not a 9-5 job.
- ✓ Candidates should be able to work at off hours and under pressure to meet the expectations of the clients.
- ✓ This profession requires extra amount of responsibilities.

6 Application

- The Vehicle Management System with its friendly features makes the application easier and highly usable on daily basis.
- This system comes with both mobile app and web portal versions to ease the need of the users.
- Agaram Infotech with the core focus of providing a precise solution develops the vehicle management system to suit every individual need of our clients.
- The main objective of this application is to make the user's task easier by enabling easy maintenance of the renewal insurance, revenue licenses and other elements involved.

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 with a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

8 Future scope

- Vehicle Management is the process of planning various types of vehicles.
- Vehicles include wagons, bicycles, motor vehicles (motorcycles, cars, trucks, buses, mobility scooters for disabled people), railed vehicles (trains, trams), watercraft (ships, boats, underwater vehicles), amphibious vehicles (screw – propelled vehicles, hovercraft), aircraft (airplanes, helicopters, aerostats) and etc...

