

PROJECT REPORT

• INTRODUCTION:

Overview:

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.

•Objectives:

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.

Develop a comprehensive vehicle management system that can be customized to the needs of any organization.

Implement a user-friendly interface that allows users to access and manage vehicle data from any device.

Integrate the system with other relevant applications such as accounting and inventory management systems.

Provide real-time analytics and reporting features to help organizations make data-driven decisions about their fleet management.

Key Features:

Vehicle inventory management

Sales tracking

Maintenance and service scheduling

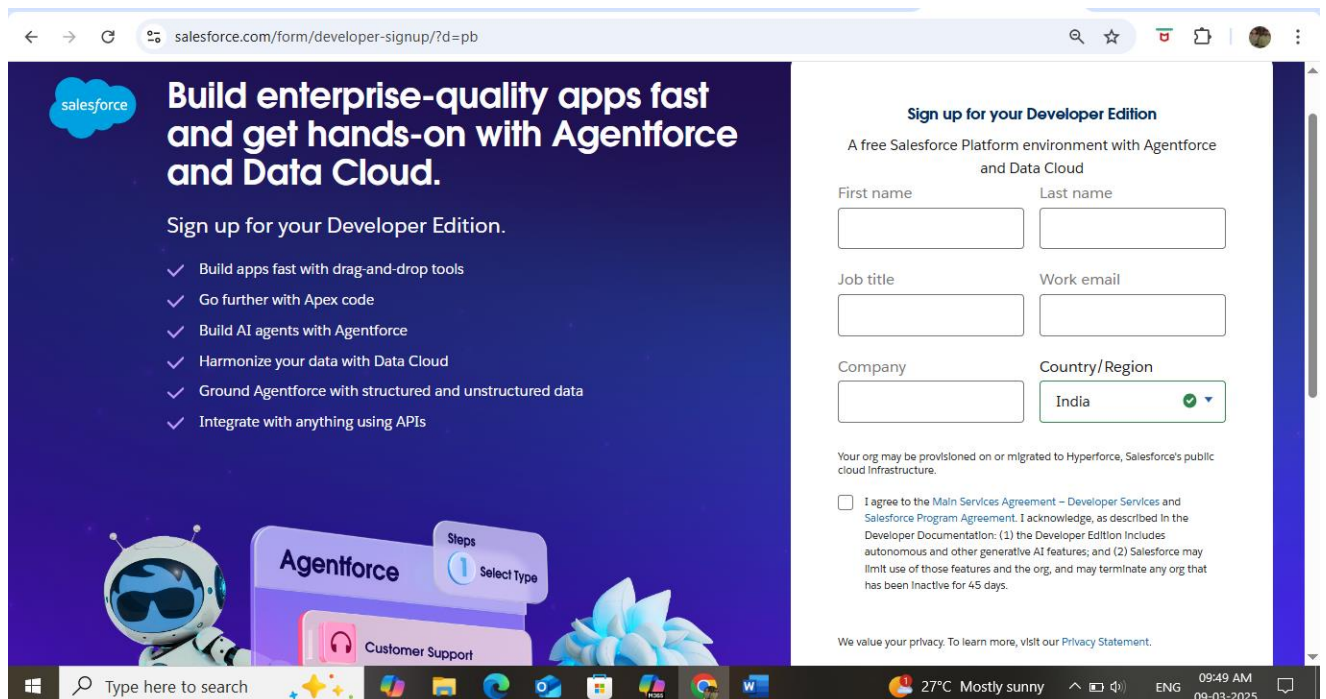
Customer relationship management

Reports and dashboards

Mobile access and integration with third party systems

Detailed Steps to Solution Design:

- Creating a developer org in salesforce.



The screenshot shows the Salesforce Developer Edition sign-up page. The left sidebar features the Salesforce logo and the headline "Build enterprise-quality apps fast and get hands-on with Agentforce and Data Cloud." Below this, it says "Sign up for your Developer Edition." and lists six benefits with checkmarks: building apps fast with drag-and-drop tools, going further with Apex code, building AI agents with Agentforce, harmonizing data with Data Cloud, grounding Agentforce with structured and unstructured data, and integrating with anything using APIs. The main content area is titled "Sign up for your Developer Edition" and describes it as a free Salesforce Platform environment with Agentforce and Data Cloud. It contains form fields for First name, Last name, Job title, Work email, Company, and Country/Region (set to India). A checkbox for agreeing to the Main Services Agreement is present, followed by a detailed disclaimer. At the bottom, there is a link to the Privacy Statement. The Windows taskbar at the bottom shows the search bar, task view, and various application icons, along with system information like temperature (27°C) and time (09:49 AM, 09-03-2025).

salesforce.com/form/developer-signup/?d=pb

Build enterprise-quality apps fast and get hands-on with Agentforce and Data Cloud.

Sign up for your Developer Edition.

- ✓ Build apps fast with drag-and-drop tools
- ✓ Go further with Apex code
- ✓ Build AI agents with Agentforce
- ✓ Harmonize your data with Data Cloud
- ✓ Ground Agentforce with structured and unstructured data
- ✓ Integrate with anything using APIs

Sign up for your Developer Edition

A free Salesforce Platform environment with Agentforce and Data Cloud

First name Last name

Job title Work email

Company Country/Region

Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud infrastructure.

☐ I agree to the Main Services Agreement – Developer Services and Salesforce Program Agreement. I acknowledge, as described in the Developer Documentation: (1) the Developer Edition Includes autonomous and other generative AI features; and (2) Salesforce may limit use of those features and the org, and may terminate any org that has been inactive for 45 days.

We value your privacy. To learn more, visit our [Privacy Statement](#).

Creating Custom objects: Vehicle, Driver, Traveler.

orgfarm-395db07e1d-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home

Search Setup

Setup

Home

Object Manager

Object Manager

1 Items, Sorted by Label

veh

Schema Builder

Create

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Vehicle	Vehicle__c	Custom Object		3/4/2025	✓

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Search Setup

Setup

Home

Object Manager

Object Manager

1 Items, Sorted by Label

driv

Schema Builder

Create

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Driver	Driver__c	Custom Object		3/4/2025	✓

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Search Setup

Setup

Home

Object Manager

Object Manager

1 Items, Sorted by Label

trav

Schema Builder

Create

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Traveler	Traveler__c	Custom Object		3/4/2025	✓

* Creation of fields

* Creation of Fields in Vehicles objects

S NO.	Field Names	Type	Data Types
1.	Vehicle Name	Standard	Text
2.	Vehicle Type i)2 wheeler ii)4 wheeler	Custom	Picklist
3.	2WHEELERS i) HERO ii)HONDA iii)BAJAJ iv)ROYAL ENFIELD v)TVS vi)KINETIC vii)OLA viii)JAWA ix)SD x)BATTERY	Custom	Picklist
4.	4WHEELERS i) RENAULT ii)SKODA iii) HONDA iv)HYUNDAI v)SUZUKI	Custom	Picklist

	vi)MAHINDRA vii)VOLVO viii)AUDI ix)Volkswagen		
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5.	Vehicle No	Custom	Text (20)
6.	Chassis No	Custom	Text (30)
7.	Colour	Custom	Text (20)
8.	Body Type	Custom	Text (20)

9.	Vehicle Includes <ul style="list-style-type: none"> • Fire Extinguisher • FirstAid Kit • Multi • Charger kit • Stepney • Stereo • Tool Kit • Tracking Device • Tyre • Jack 	Custom	Multi Picklist
10.	Condition i) Good ii)Medium iii) Least	Custom	Picklist
11.	Mileage	Custom	Text (3)
12.	Seats	Custom	Number (2)

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Setup Home Object Manager

Vehicle

Details

Fields & Relationships
15 Items, Sorted by Field Label

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD
2WHEELERS	X2WHEELERS__c	Picklist	vehicle type
4WHEELERS	X4WHEELERS__c	Picklist	vehicle type
Body Type	Body_Type__c	Text(20)	
Chassic NO	Chassic_NO__c	Text(30)	
Colour	Colour__c	Text(20)	
Condition	Condition__c	Picklist	
Created By	CreatedById	Lookup(User)	
Last Modified By	LastModifiedById	Lookup(User)	
Mileage	Mileage__c	Text(3)	
Owner	OwnerId	Lookup(User,Group)	
Seats	Seats__c	Number(2, 0)	
Vehicle Includes	Vehicle_Includes__c	Picklist (Multi Select)	
Vehicle Name	Name	Text(80)	
Vehicle No	Vehicle_No__c	Text(20)	
vehicle type	vehicle_type__c	Picklist	

Type here to search

28°C

Fields in Driver objects follow below data types

S No	Field	Type	Data Type
1	Driver Name	Standard	Text
2	License No	Custom	Text (30)
3	Mobile No	Custom	Phone
4	Fair Per Hour	Custom	Text (10)
5	Vehicle	Custom	Lookup (Vehicle)

← → ↺ orgfarm-395db07e1d-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01IgL0000004ZdV/FieldsAndRelationshipship... ☆

Setup Home Object Manager

SETUP > OBJECT MANAGER
Driver

Details
Fields & Relationships
8 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	Name	Text(80)		✓
Fair Per Hour	Fair_Per_Hour__c	Text(10)		
Last Modified By	LastModifiedById	Lookup(User)		
License No	License_No__c	Text(30)		
Mobile No	Mobile_No__c	Phone		
Owner	OwnerId	Lookup(User,Group)		✓
Vehicle	Vehicle__c	Lookup(Vehicle)		✓

Fields In Traveler Objects Follow Below Data Types

S No	Field	Type	Data Type
1	Traveler Name	Standard	Text
2	Traveler Contact No	Custom	Phone
3.	Traveler Email	Custom	Email

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Setup Home Object Manager

SETUP > OBJECT MANAGER
Traveler

Details
Fields & Relationships
6 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)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Traveler Contact No	Traveler_Contact_No__c	Phone		
Traveler Email	Traveler_Email__c	Email		
Traveler Name	Name	Text(80)		✓

Fields in Opportunity objects follow below data types

S No	Field	Type	Data Type
1	Vehicle	Custom	Lookup (Vehicle)
2	Journey Start Date	Custom	Date/Time
3	Journey End Date	Custom	Date/Time
4	Total Fair	Custom	Currency (8)
5	Route	Custom	Text(long)

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Setup Home Object Manager

SETUP > OBJECT MANAGER
Opportunity

Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
List View Button Layout
Scoping Rules
Object Access
Triggers
Flow Triggers
Validation Rules

Fields & Relationships
31 Items, Sorted by Field Label

Quick Find New Deleted Fields

Current Generator(s)	CurrentGenerators__c	Text(100)
Delivery/Installation Status	DeliveryInstallationStatus__c	Picklist
Description	Description	Long Text Area(32000)
Expected Revenue	ExpectedRevenue	Currency(16, 2)
Forecast Category	ForecastCategoryName	Picklist
Journey End Date	Journey_End_Date__c	Date/Time
Journey Start Date	Journey_Start_Date__c	Date/Time
Last Modified By	LastModifiedById	Lookup(User)
Lead Source	LeadSource	Picklist
Main Competitor(s)	MainCompetitors__c	Text(100)
Next Step	NextStep	Text(255)
Opportunity Name	Name	Text(120)
Opportunity Owner	OwnerId	Lookup(User)

orgfarm-395db07e1d-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/Opportunity/FieldsAndRelationships/view

Setup Home Object Manager

SETUP > OBJECT MANAGER
Opportunity

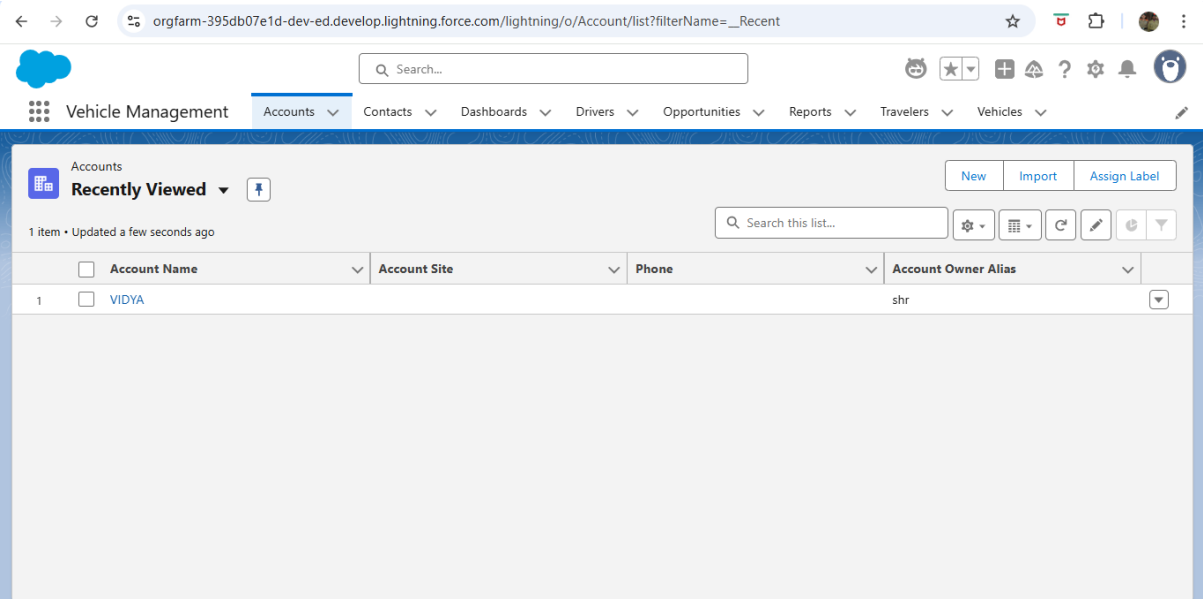
Details
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Flow Triggers
Validation Rules

Fields & Relationships
31 Items, Sorted by Field Label

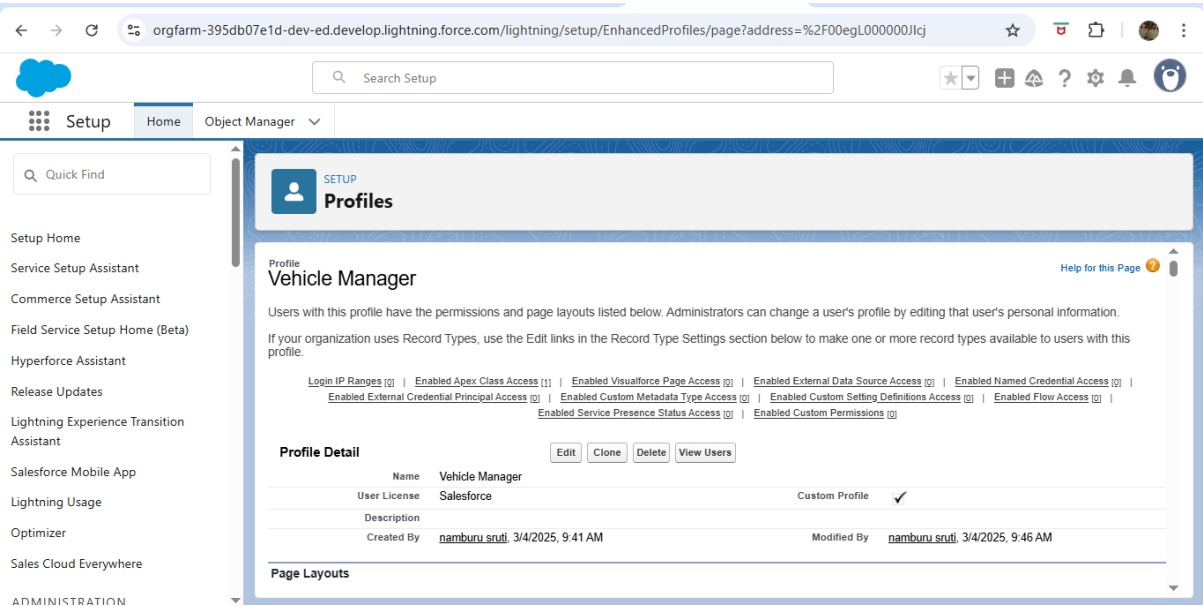
Quick Find New Deleted Fields Field Dependencies

Opportunity Score	IsScore	Number(9, 0)
Order Number	OrderNumber__c	Text(8)
Price Book	Pricebook2Id	Lookup(Price Book) ✓
Primary Campaign Source	CampaignId	Lookup(Campaign) ✓
Private	IsPrivate	Checkbox
Probability (%)	Probability	Percent(3, 0)
Quantity	TotalOpportunityQuantity	Number(16, 2)
Route	Route__c	Long Text Area(32768)
Stage	StageName	Picklist
Total Fair	Total_Fair__c	Currency(8, 0)
Tracking Number	TrackingNumber__c	Text(12)
Type	Type	Picklist
Vehicle	Vehicle__c	Lookup(Vehicle) ✓

Create the Vehicle Management Lightning app



create a Vehicle Manager profile



Setup Roles:

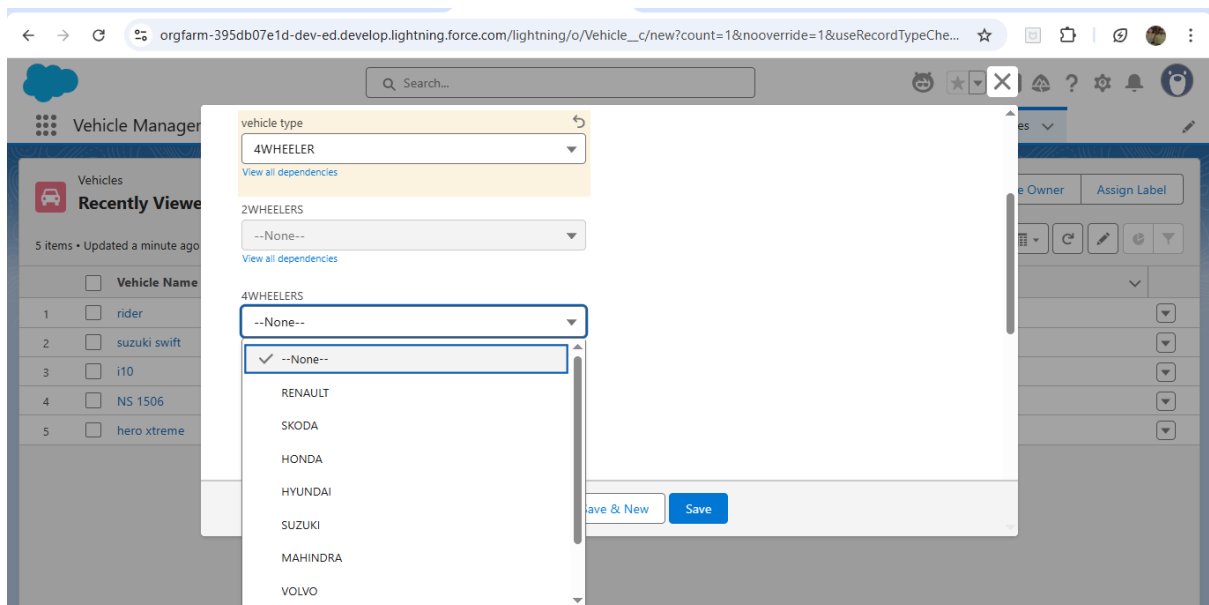
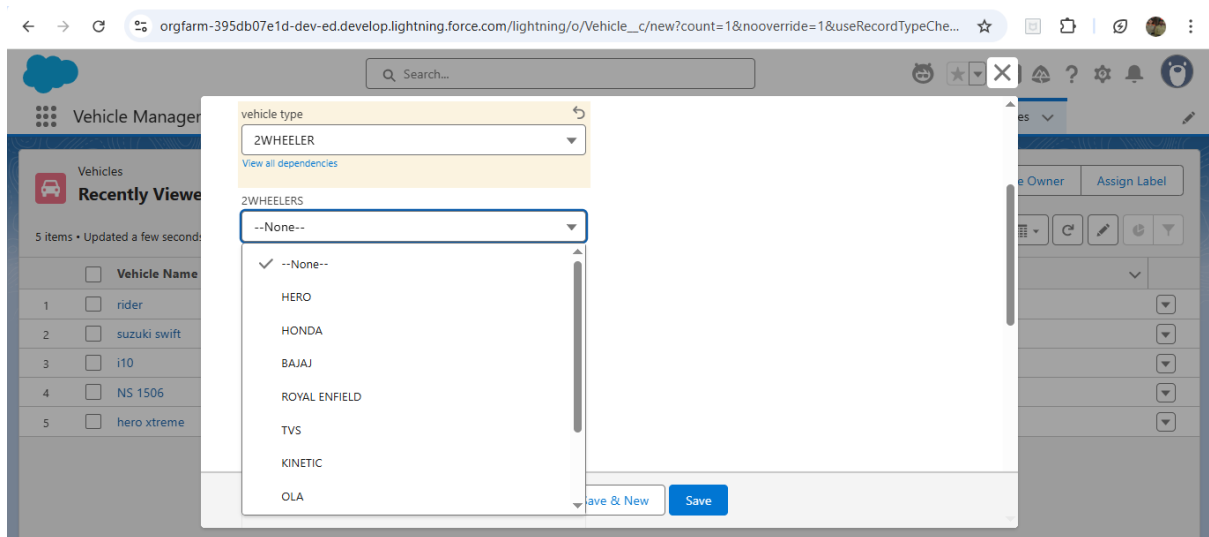
The screenshot shows the Salesforce Setup interface. The left sidebar contains a search bar with 'roles' and a list of navigation items: Users, Roles (highlighted), Feature Settings, Sales, Contact Roles on Contracts, Contact Roles on Opportunities, Service, and Case Teams. The main content area is titled 'Roles' and displays a hierarchical tree structure of roles. The roles listed are: Director, Direct Sales; Eastern Sales Team; Western Sales Team; Vehicle Manager; Operator 1; and Operator 2. Each role has an 'Add Role' link and buttons for 'Edit', 'Del', and 'Assign'.

Creating a User

The screenshot shows the Salesforce Setup interface for creating a user. The left sidebar contains a search bar with 'User' and a list of navigation items: Users (highlighted), Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, User Management Settings, Feature Settings, Data.com, and Prospector Users. The main content area is titled 'Users' and displays the user profile for 'John Teddy'. The profile includes a 'User Detail' section with fields for Name, Alias, Email, Username, Nickname, Title, Company, Department, Division, and Address. The 'Role' field is set to 'Vehicle Manager'. The 'User License' is 'Salesforce'. The 'Profile' is 'Vehicle Manager'. The 'Active' checkbox is checked. The 'Marketing User', 'Offline User', 'Knowledge User', 'Flow User', 'Service Cloud User', and 'Site.com Contributor User' checkboxes are unchecked.

Testing and Validation:

*Field Dependencies;



- **CONCLUUSSION:**

The Vehicle Management System is a powerful tool for organizations that want to manage their fleet of vehicles efficiently. Built using Salesforce , it provides a customizable and user-friendly interface that allows users to access and manage vehicle data from any device. Its advanced features, such as maintenance scheduling, fuel consumption tracking, and driver management, help organizations optimize their fleet utilization and reduce costs. With real-time analytics and reporting features , the system enables data-driven decision making and helps organizations stay ahead of the competition.