

WhatNext Vision Motors: Shaping the Future of Mobility with Innovation and Excellence

WhatsNext Vision Motors is revolutionizing its customer experience and operational efficiency with a cutting-edge Salesforce CRM implementation. The project streamlines the vehicle ordering process by auto-assigning orders to the nearest dealer based on customer location and preventing orders for out-of-stock vehicles. Automated workflows update order statuses dynamically and send scheduled email reminders for test drives. Key technical implementations include Apex triggers for stock validation, batch jobs for stock updates, and scheduled Apex for automated order processing. This initiative enhances customer satisfaction, improves order accuracy, and boosts overall operational efficiency.

Requirements:

1. Salesforce CRM Implementation

- Store and manage vehicle details, stock availability, and dealer information in Salesforce.
- Track customer orders, test drives, and service requests efficiently.
- Automate workflows to assign orders to the nearest dealer based on customer location.

2. Process Automation

- Prevent order placement if the vehicle is out of stock.
- Auto-assign orders to the nearest dealer based on the customer's location.
- Send automated email reminders for scheduled test drives.

3. Apex and Trigger

- Implement Apex triggers to enforce business rules such as stock validation and automatic dealer assignment.
- Use trigger handlers to follow best practices and ensure modularity and maintainability.

4. Batch Jobs

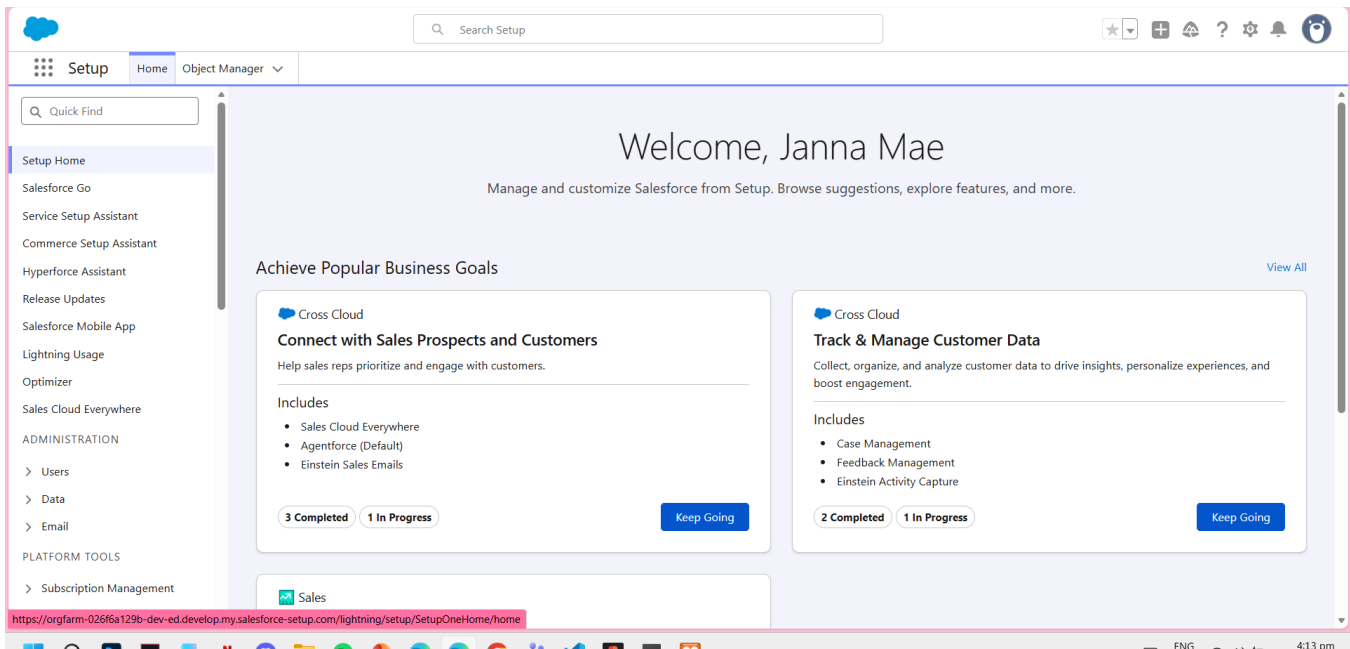
- Develop a batch Apex job to periodically check vehicle stock levels and update availability.
- Send scheduled email notifications for stock replenishment and order processing.

What you'll learn:

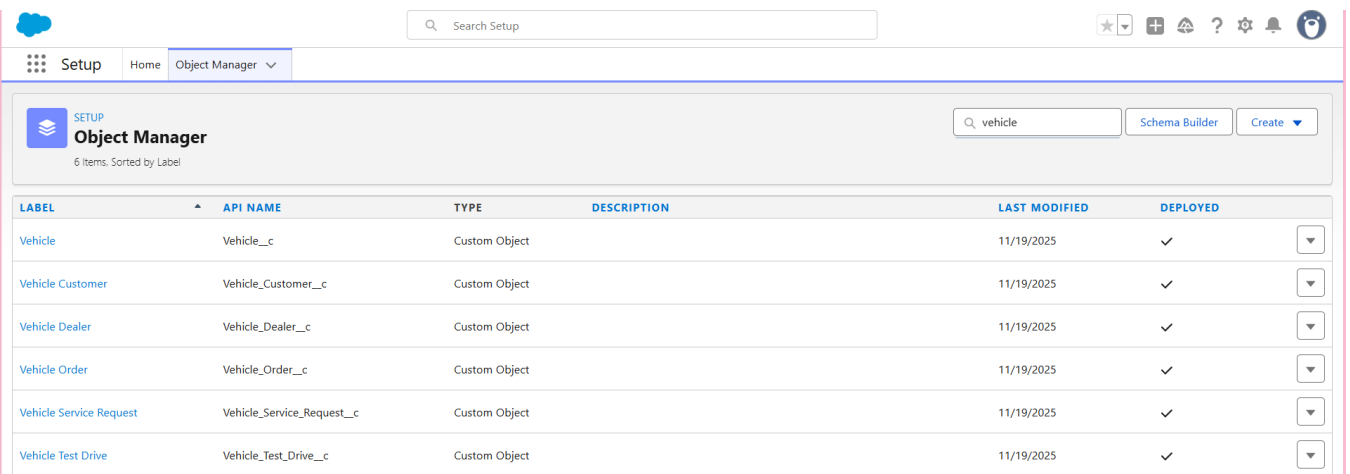
1. Data Modelling
2. Fields and Relationships
3. Lightning App Builder
4. Record Triggered Flows
5. Apex and Apex Triggers
6. Batch Apex
7. Scheduled Apex

Project Progress

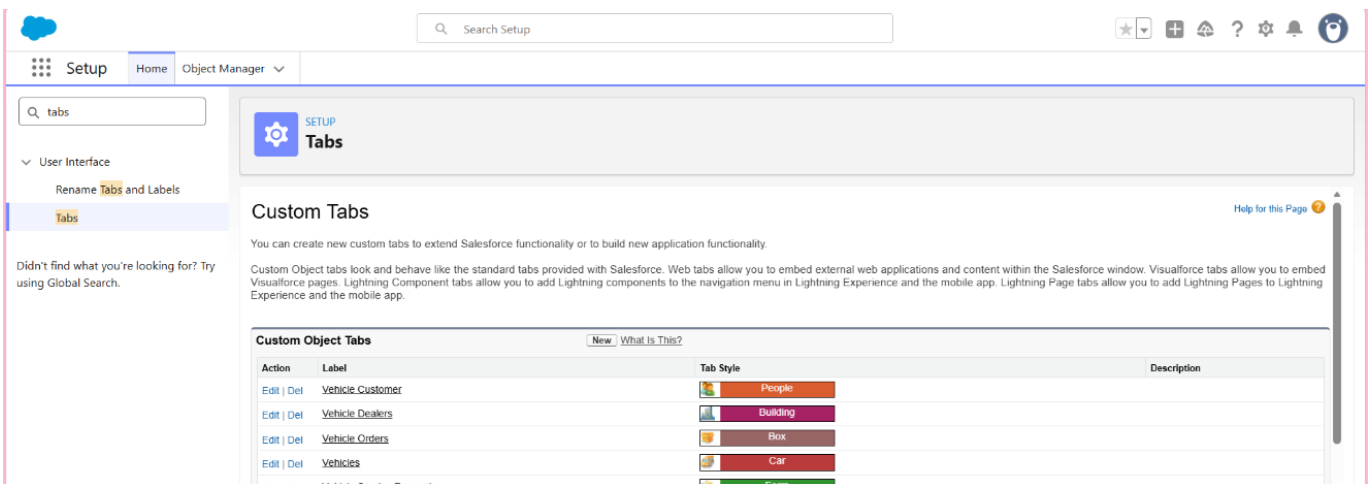
Salesforce Credentials Creation



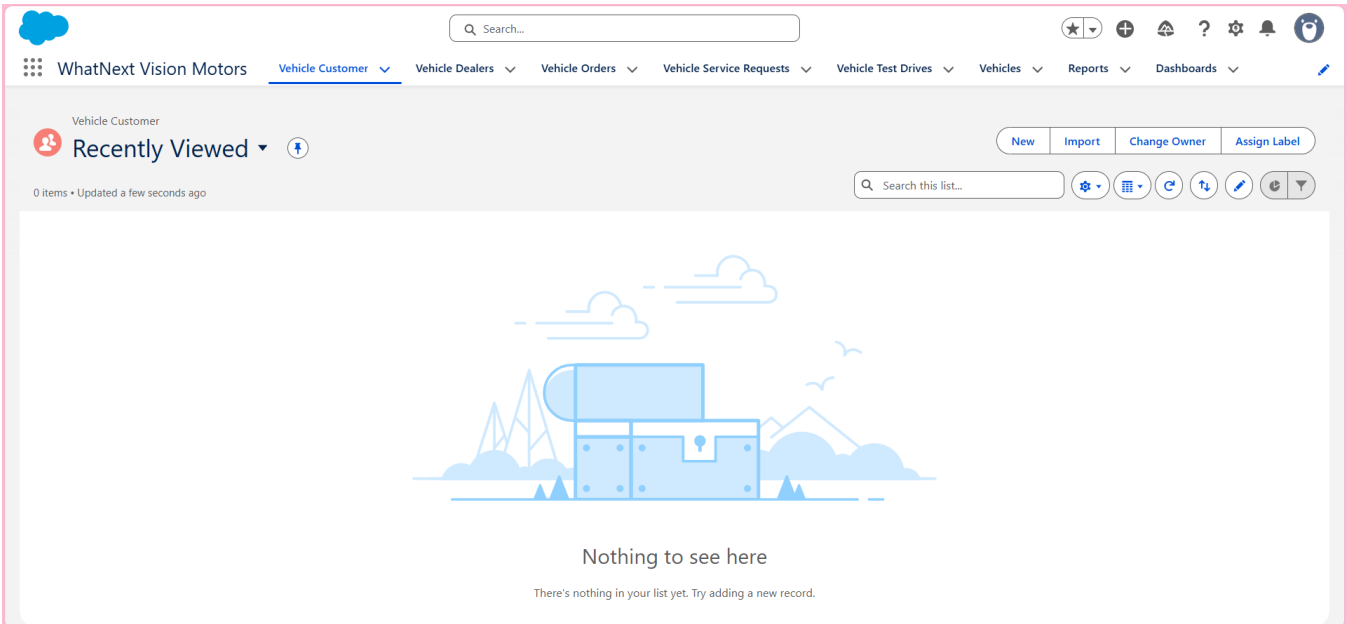
Data Management-Objects



Data Management-Tabs



Data Management-App Manager



Data Management-Fields

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

Restriction Rules

Fields & Relationships

9 Items, Sorted by Field Label

Q 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)		✓
Price	Price__c	Currency(18, 0)		
Status	Status__c	Picklist		
Stock Quantity	Stock_Quantity__c	Number(18, 0)		
Vehicle Dealer	Vehicle_Dealer__c	Lookup(Vehicle Dealer)		✓
Vehicle Model	Vehicle_Model__c	Picklist		
Vehicle Name	Name	Text(80)		✓

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Q Quick Find

New

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Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Dealer Code	Dealer_Code__c	Auto Number		
Dealer Location	Dealer_Location__c	Text(60)		
Email	Email__c	Email		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone	Phone__c	Phone		
Vehicle Dealer Name	Name	Text(80)		✓

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Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Assigned Dealer	Assigned_Dealer__c	Lookup(Vehicle Dealer)		✓
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Order Date	Order_Date__c	Date		
Owner	OwnerId	Lookup(User,Group)		✓
Status	Status__c	Picklist		
Vehicle	Vehicle__c	Lookup(Vehicle)		✓
Vehicle Customer	Vehicle_Customer__c	Lookup(Vehicle Customer)		✓
Vehicle Order Name	Name	Text(80)		✓

Vehicle Customer

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Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text(60)		
Created By	CreatedBy	Lookup(User)		
Email	Email__c	Email		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone	Phone__c	Phone		
Preferred Vehicle Type	Preferred_Vehicle_Type__c	Picklist		
Vehicle Customer Name	Name	Text(80)		✓

Vehicle Test Drive

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Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Status	Status__c	Picklist		
Test Drive Date	Test_Drive__c	Date		
Vehicle	Vehicle__c	Lookup(Vehicle)		✓
Vehicle Customer	Vehicle_Customer__c	Lookup(Vehicle Customer)		✓
Vehicle Test Drive Name	Name	Text(80)		✓

Vehicle Service Request

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New

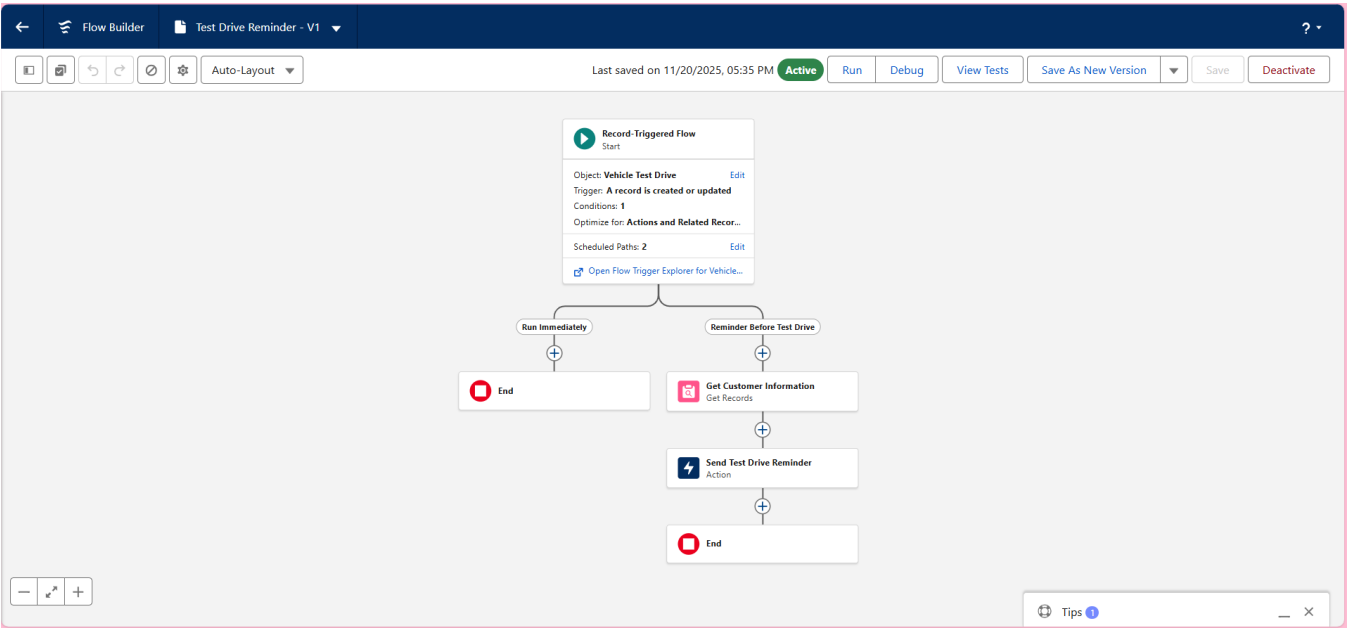
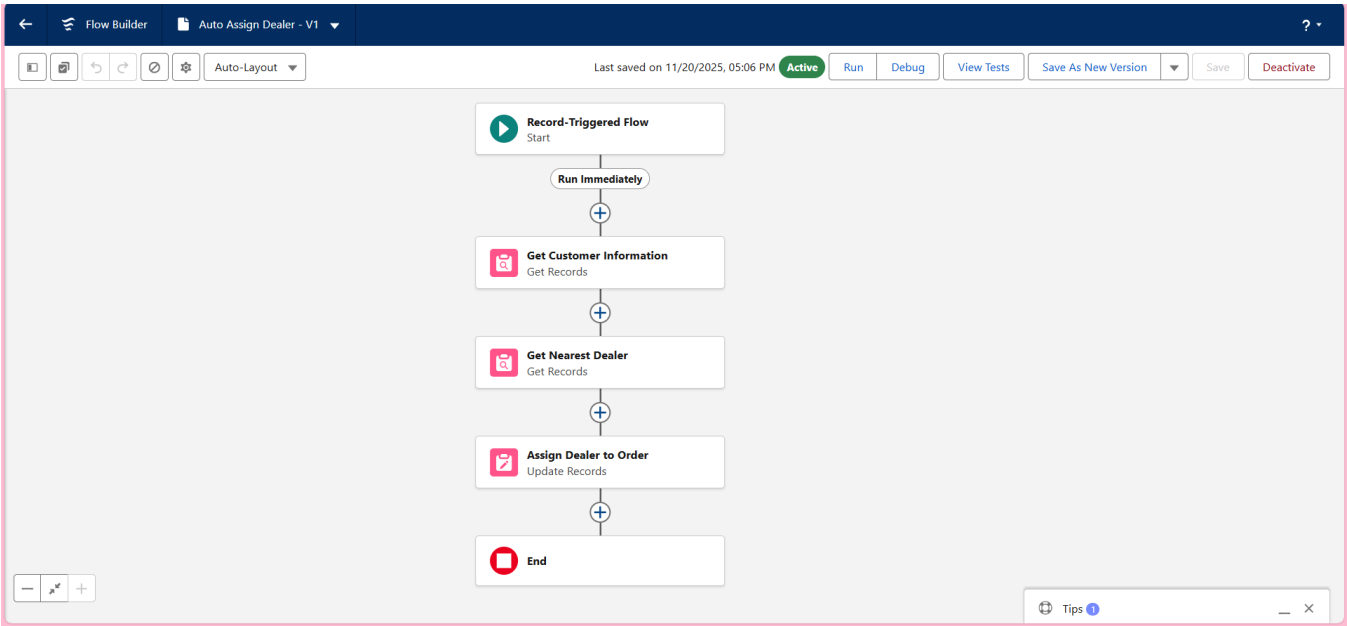
Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Issue Description	Issue_Description__c	Text(60)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Service Date	Service_Date__c	Date		
Status	Status__c	Picklist		
Vehicle	Vehicle__c	Lookup(Vehicle)		✓
Vehicle Customer	Vehicle_Customer__c	Lookup(Vehicle Customer)		✓
Vehicle Service Request Name	Name	Text(80)		✓

Automation



Vehicle Order
order name

Vehicle Order "order name" was created.

New Contact
Edit
New Opportunity

Related

Details

Vehicle Order Name	order name	Owner	Janna Mae Macatangay
Vehicle Customer	John		
Vehicle	Honda		
Order Date	11/28/2025		
Status	Pending		
Assigned Dealer	Dealer Name		
Created By	Janna Mae Macatangay, 11/20/2025, 1:27 AM	Last Modified By	Janna Mae Macatangay, 11/20/2025, 1:27 AM

Apex and Batch Class

VehicleOrderTriggerHandler.apxc
VehicleOrderTrigger.apxt
VehicleOrderBatch.apxc
VehicleOrderBatchScheduler.apxc

Code Coverage: None
API Version: 65

```

49
50     List<Vehicle__c> vehiclesToUpdate = new List<Vehicle__c>();
51     for (Vehicle_Order__c order : orders) {
52         Vehicle__c vehicle = vehicleStockMap.get(order.Vehicle__c);
53         if (vehicle != null && vehicle.Stock_Quantity__c > 0) {
54             vehicle.Stock_Quantity__c -= 1;
55             vehiclesToUpdate.add(vehicle);
56         }
57     }
58
59     if (!vehiclesToUpdate.isEmpty()) {
60         update vehiclesToUpdate;
61     }
62 }
63 }
64 }
65

```

VehicleOrderTriggerHandler.apxc
VehicleOrderTrigger.apxt
VehicleOrderBatch.apxc
VehicleOrderBatchScheduler.apxc

Code Coverage: None
API Version: 65
Go To

```

1 trigger VehicleOrderTrigger on Vehicle_Order__c (before insert, before update, after insert, after update) {
2     VehicleOrderTriggerHandler.handleTrigger(trigger.new, trigger.oldMap, trigger.isBefore, trigger.isAfter, trigger.isInsert, trigger.isUpdate);
3 }

```

VehicleOrderTriggerHandler.apxc VehicleOrderTrigger.apxt VehicleOrderBatch.apxc VehicleOrderBatchScheduler.apxc

Code Coverage: None API Version: 65

```
26         Vehicle__c vehicle = vehicleStockMap.get(order.Vehicle__c);
27         if (vehicle != null && vehicle.Stock_Quantity__c > 0) {
28             order.Status__c = 'Confirmed';
29             vehicle.Stock_Quantity__c -= 1;
30             ordersToUpdate.add(order);
31             vehiclesToUpdate.add(vehicle);
32         }
33     }
34
35     if (!ordersToUpdate.isEmpty()) update ordersToUpdate;
36     if (!vehiclesToUpdate.isEmpty()) update vehiclesToUpdate;
37 }
38
39
40 global void finish(Database.BatchableContext bc) {
41     System.debug('Vehicle order batch job completed.');
42 }
43 }
```