

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

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# Object Creation

## Objects & Relationships

Object Name	Purpose	Relationships
<b>Vehicle__c</b>	Stores vehicle details	Related to Dealer & Orders
<b>Vehicle_Dealer__c</b>	Stores authorized dealer info	Related to Orders
<b>Vehicle_Customer__c</b>	Stores customer details	Related to Orders & Test Drives
<b>Vehicle_Order__c</b>	Tracks vehicle purchases	Related to Customer & Vehicle
<b>Vehicle_Test_Drive__c</b>	Tracks test drive bookings	Related to Customer & Vehicle
<b>Vehicle_Service_Request__c</b>	Tracks vehicle servicing requests	Related to Customer & Vehicle

The screenshot shows the Salesforce Setup Home page. The left sidebar includes links for Setup Home, Salesforce Go, Service Setup Assistant, Commerce Setup Assistant, Hyperforce Assistant, Release Updates, Salesforce Mobile App, Lightning Usage, Optimizer, Sales Cloud Everywhere, Administration (Users, Data, Email), Platform Tools (Subscription Management, Apps, Feature Settings, Slack, Data Cloud), and Recent Items.

The main content area displays the "Object Manager" section under the "Sales" category. It shows a summary for "Capture & Auto-Qualify Leads" and a list of "Includes" such as Prospecting Center, Sales Engagement, and Cadences. A progress bar indicates "1 Completed". A "Keep Going" button is present.

A user profile sidebar on the right shows Nekeisha Ashlyn Elfa's information, including her org URL, settings, and log out options. It also includes a "DISPLAY DENSITY" dropdown set to "Comfy" (Compact) and a link to "Switch to Salesforce Classic".

The "Recent Items" table lists six custom object definitions:

NAME	TYPE	OBJECT
Vehicle Service Request	Custom Object Definition	
Vehicle Test Drive	Custom Object Definition	
Vehicle Order	Custom Object Definition	
Vehicle Customer	Custom Object Definition	
Vehicle Dealer	Custom Object Definition	
Vehicle	Custom Object Definition	

# Object Tab Creation

## Creating a Custom Tab(Vehicle)

1. Go to setup page → type Tabs in Quick Find bar → click on tabs → New (under custom object tab)

Custom Tabs

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

Category	Description	New	What Is This?
Custom Object Tabs	No Custom Object Tabs have been defined	New	What Is This?
Web Tabs	No Web Tabs have been defined	New	What Is This?
Visualforce Tabs	No Visualforce Tabs have been defined	New	What Is This?
Lightning Component Tabs	No Lightning component tabs have been defined	New	What Is This?
Lightning Page Tabs	No Lightning Page Tabs have been defined	New	What Is This?

2. Select Object(Vehicle) → Select any tab style → Next (Add to profiles page) keep it as default → Next (Add to Custom App) keep it as default → Save.

New Custom Object Tab

Step 1 Enter the Details

Choose the custom object for this new custom tab. Fill in other details.

New Custom Object Tab

Select an existing custom object or create a new custom object. (SObject Name: Vehicle)

Tab Style: People

Automatic: Choose a home page custom tab to make it a splash page the first time user logs on this tab.

Name Page Custom Link: Apply

If you have a short description:

Description:

Custom Tabs

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Action	Label	Tab Style	Description
Edit   Del	Vehicle Customers	People	
Edit   Del	Vehicle Dealers	Building	
Edit   Del	Vehicle Orders	Box	
Edit   Del	Vehicles	Car	
Edit   Del	Vehicle Service Requests	Form	
Edit   Del	Vehicle Test Drives	Gears	

# Create a Lightning App

The screenshot shows a Salesforce Lightning App interface for 'Vehicle Customers'. The top navigation bar includes links for 'Vehicle Customers', 'Vehicle Dealers', 'Vehicle Orders', 'Vehicle Service Requests', 'Vehicle Test Drives', 'Vehicles', 'Reports', and 'More'. A search bar and various icons are also present. The main content area displays a list titled 'Recently Viewed' with one item: 'Keisha'. The list has a header 'Vehicle Customer Name' and includes a checkbox next to each entry. The URL in the browser is `orgfarm-349ed8bb6e-dev-ed.lightning.force.com/lightning/o/Vehicle_Customer__c/list?filterName=__Recent`.

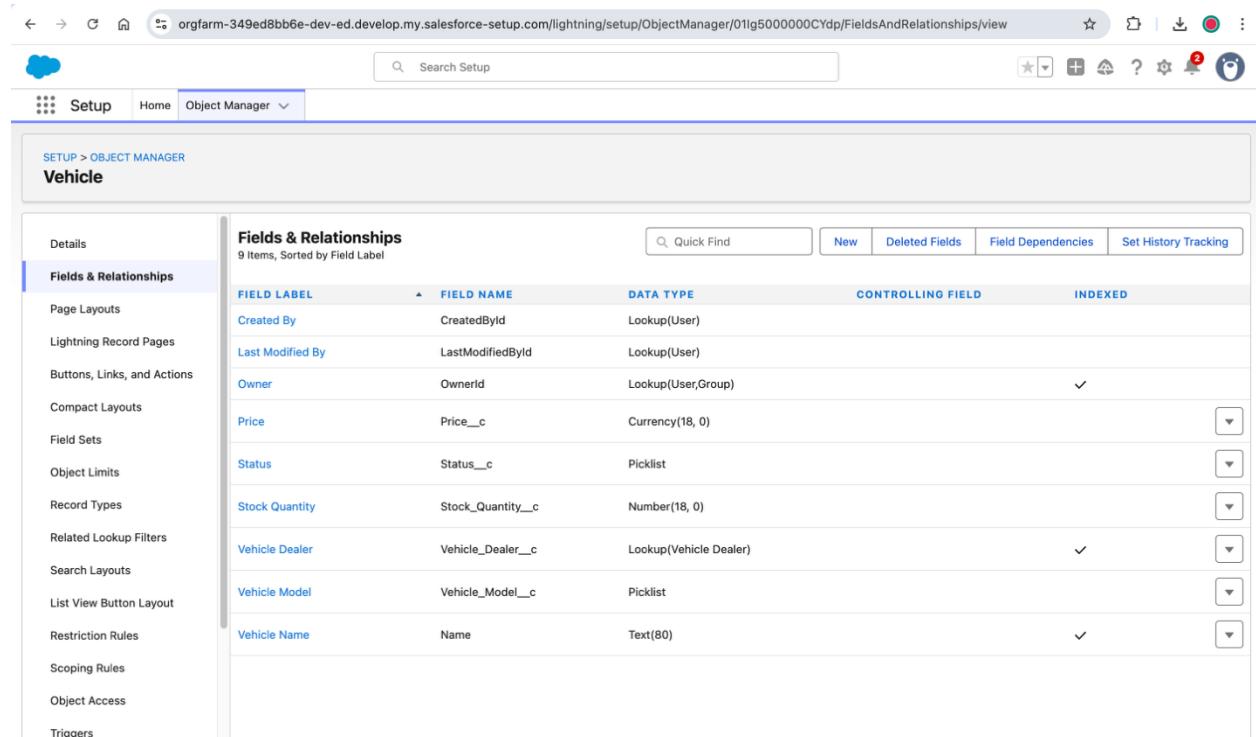
# Object Field Creation

## Fields & Relationships

### Key Fields for Each Object:

#### 1. Vehicle\_\_c (Custom Object)

- **Vehicle\_Name\_\_c** (Text)
- **Vehicle\_Model\_\_c** (Picklist: Sedan, SUV, EV, etc.)
- **Stock\_Quantity\_\_c** (Number)
- **Price\_\_c** (Currency)
- **Dealer\_\_c** (Lookup to Dealer\_\_c)
- **Status\_\_c** (Picklist: Available, Out of Stock, Discontinued)



The screenshot shows the Salesforce Setup interface for the Object Manager. The left sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, etc. The main content area is titled 'Vehicle' under 'Fields & Relationships'. It displays a table of 9 items, sorted by Field Label. The columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Created By (CreatedBy), Last Modified By (LastModifiedBy), Owner (OwnerId), Price (Price\_\_c), Status (Status\_\_c), Stock Quantity (Stock\_Quantity\_\_c), Vehicle Dealer (Vehicle\_Dealer\_\_c), Vehicle Model (Vehicle\_Model\_\_c), and Vehicle Name (Name). The 'Owner' field has an 'Indexed' checkmark. The 'Vehicle Dealer' field has both 'Controlling Field' and 'Indexed' checkmarks.

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)		✓
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)		✓

## 2. Vehicle\_Dealer\_\_c (Custom Object)

- **Dealer\_Name\_\_c** (Text)
- **Dealer\_Location\_\_c** (Text)
- **Dealer\_Code\_\_c** (Auto Number)
- **Phone\_\_c** (Phone)
- **Email\_\_c** (Email)

The screenshot shows the Salesforce Object Manager interface for the 'Vehicle Dealer' custom object. The left sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, and Triggers. The main content area is titled 'Fields & Relationships' and displays eight fields. Each field is listed with its label, name, data type, and controlling field.

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

### 3. Vehicle\_Order\_\_c (Custom Object)

- **Customer\_\_c** (Lookup to Customer\_\_c)
- **Vehicle\_\_c** (Lookup to Vehicle\_\_c)
- **Order\_Date\_\_c** (Date)
- **Status\_\_c** (Picklist: Pending, Confirmed, Delivered, Canceled)

The screenshot shows the Salesforce Object Manager interface for the 'Vehicle Order' custom object. The left sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The main area displays the 'Fields & Relationships' section with 9 items, sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.

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	Auto Number		✓

#### 4. Vehicle\_Customer\_\_c (Custom Object)

- **Customer\_Name\_\_c** (Text)
- **Email\_\_c** (Email)
- **Phone\_\_c** (Phone)
- **Address\_\_c** (Text)
- **Preferred\_Vehicle\_Type\_\_c** (Picklist: Sedan, SUV, EV, etc.)

The screenshot shows the Salesforce Object Manager interface for the 'Vehicle Customer' custom object. The left sidebar is collapsed, and the main area displays the 'Fields & Relationships' section. The table lists eight fields, each with its field label, name, data type, controlling field, and indexed status.

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)		✓

## 5. Vehicle\_Test\_Drive\_\_c (Custom Object)

- **Customer\_\_c** (Lookup to Customer\_\_c)
- **Vehicle\_\_c** (Lookup to Vehicle\_\_c)
- **Test\_Drive\_Date\_\_c** (Date)
- **Status\_\_c** (Picklist: Scheduled, Completed, Canceled)

The screenshot shows the Salesforce Object Manager interface for the 'Vehicle Test Drive' custom object. The left sidebar lists various setup categories, and the main area displays the 'Fields & Relationships' section. The table lists eight fields, each with its field label, name, data type, controlling field, and indexing status.

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)		✓
Status	Status__c	Picklist		
Test Drive Date	Test_Drive_Date__c	Date		
Vehicle	Vehicle__c	Lookup(Vehicle)		✓
Vehicle Customer	Vehicle_Customer__c	Lookup(Vehicle Customer)		✓
Vehicle Test Drive Name	Name	Text(80)		✓

## 6. Vehicle\_Service\_Request\_\_c (Custom Object)

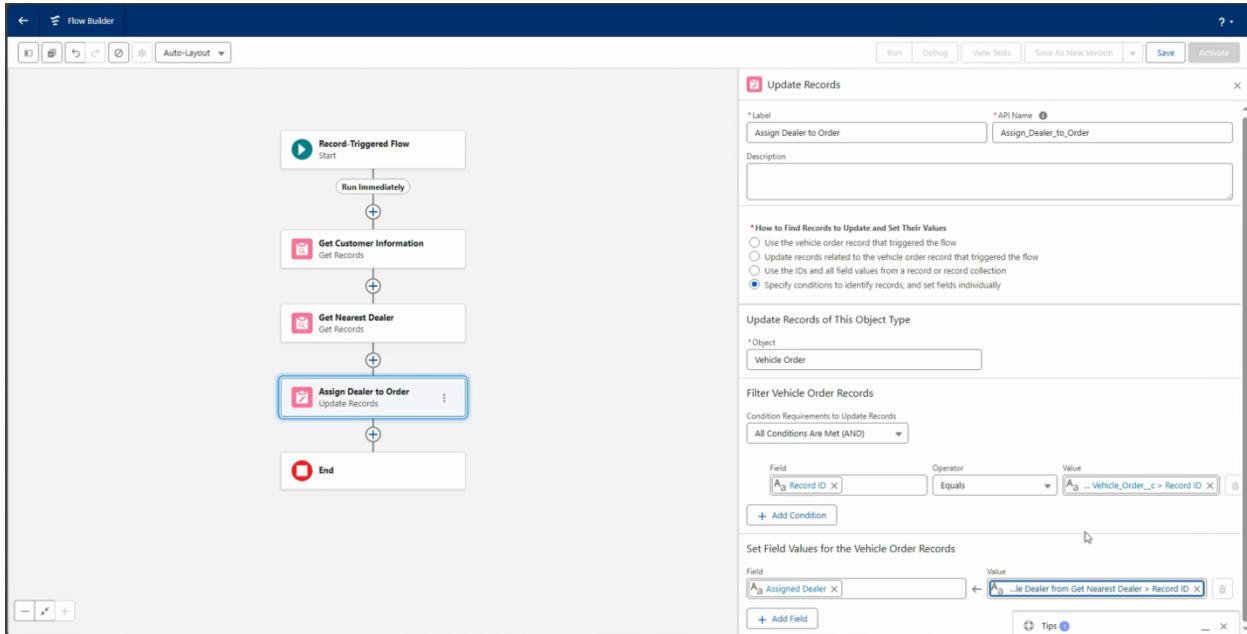
- **Customer\_\_c** (Lookup to Customer\_\_c)
- **Vehicle\_\_c** (Lookup to Vehicle\_\_c)
- **Service\_Date\_\_c** (Date)
- **Issue\_Description\_\_c** (Text)
- **Status\_\_c** (Picklist: Requested, In Progress, Completed)

The screenshot shows the Salesforce Setup interface under the Object Manager. The left sidebar is collapsed, and the main area displays the 'Fields & Relationships' section for the 'Vehicle Service Request' object. The table lists the following fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Issue Description	Issue_Description__c	Text(60)		
Last Modified By	LastModifiedById	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)	✓	

# Flow Creation

## Auto Assign Dealer

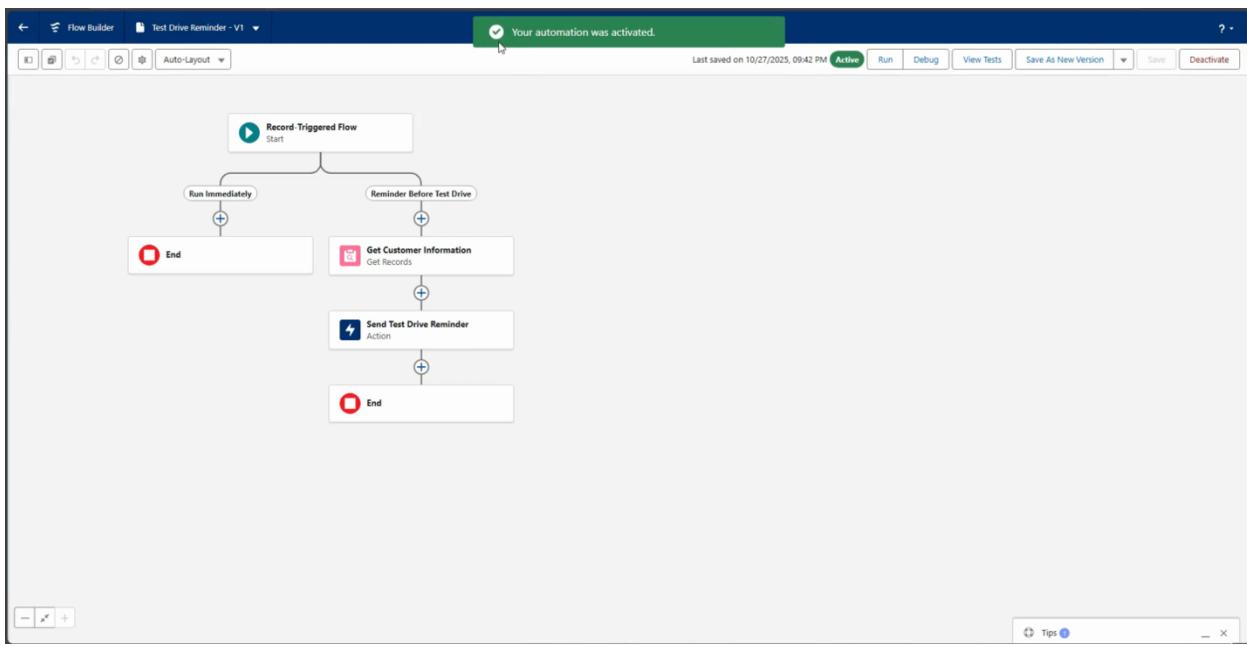


## Assigned Dealer Result

The screenshot shows the Salesforce instance for WhatNext Vision Motors with the following details:

- Page Header:** orgfarm-349ed8bb6e-dev-ed.lightning.force.com/lightning/r/Vehicle\_Order\_\_c/a03g5000001EX8PAW/view
- Page Title:** Vehicle Order O-0001
- Page Navigation:** Vehicle Customers, Vehicle Dealers, **Vehicle Orders**, Vehicle Service Requests, Vehicle Test Drives, Vehicles, Reports, More.
- Related:** Details
- Vehicle Order Details:**
  - Vehicle Order Name: O-0001
  - Owner: Nekeisha Ashlyn Elfa
  - Vehicle Customer: Keisha
  - Vehicle: Ford
  - Order Date: 10/28/2025
  - Status: Pending
  - Assigned Dealer: JE
  - Created By: Nekeisha Ashlyn Elfa, 10/27/2025, 6:31 AM
  - Last Modified By: Nekeisha Ashlyn Elfa, 10/27/2025, 6:31 AM
- Buttons:** New Contact, Edit, New Opportunity

## Test Drive Reminder



## Email Result

The screenshot shows a Gmail inbox with 1,221 messages. A specific email from noreply@salesforce.com is selected, titled "Verify your identity in Salesforce". The message body contains the following text:

noreply@salesforce.com <noreply@salesforce.com>  
sa ako ▾  
You recently logged in to Salesforce from a browser or app that we don't recognize.  
Browser: Edge  
Operating System: Windows 10  
Username: keishaelfa16282@agenforce.com

To ensure your account's security, we need to verify your identity. Enter the following code where prompted by Salesforce.

Verification Code: 335010

If you didn't recently log in to Salesforce, or you don't recognize this browser or operating system, contact your Salesforce administrator.

At the bottom of the email view, there are three buttons: "Sumagot" (Answer), "Ipasa" (Pass), and a circular icon with a question mark.

# Create Apex and Trigger Batch Jobs

## VehicleOrderTriggerhandler

The screenshot shows the Salesforce IDE interface with the code editor open for the class `VehicleOrderTriggerhandler.apc`. The code implements a trigger handler for the `Vehicle_Order__c` object. It contains logic to handle triggers before and after insertions or updates, specifically managing stock levels based on new orders.

```
1 * public class VehicleOrderTriggerHandler {
2
3     public static void handleTrigger(List<Vehicle_Order__c> newOrders, Map<Id, Vehicle_Order__c> oldOrders, Boolean isBefore, Boolean isAfter, Boolean isInsert, Boolean isUpdate) {
4
5         if (isBefore) {
6
7             if (isInsert || isUpdate) {
8
9                 preventOrderIfOutOfStock(newOrders);
10            }
11        }
12    }
13
14
15
16    if (isAfter) {
17
18        if (isInsert || isUpdate) {
19
20            updateStockOnOrderPlacement(newOrders);
21
22        }
23    }
24
25 }
26
27 }
28 }
```

The interface includes tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. Below the code editor is a log viewer with columns for User, Application, Operation, Time, Status, Read, and Size. A filter bar at the bottom allows searching the log list.

## VehicleOrderTrigger

The screenshot shows the Salesforce IDE interface with the code editor open for the trigger `VehicleOrderTrigger.apc`. The trigger is defined on the `Vehicle_Order__c` object, covering events before insert, before update, after insert, and after update. It calls the `handleTrigger` method from the `VehicleOrderTriggerHandler` class.

```
1 * trigger VehicleOrderTrigger on Vehicle_Order__c (before insert,before update, after insert, after update) {
2
3     VehicleOrderTriggerHandler.handleTrigger(Trigger.new, Trigger.oldMap, Trigger.isBefore,Trigger.isAfter, Trigger.isInsert, Trigger.isUpdate);
4
5 }
```

The interface includes tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. Below the code editor is a log viewer with columns for User, Application, Operation, Time, Status, Read, and Size. A filter bar at the bottom allows searching the log list.

## Results:

This screenshot shows a vehicle detail page for a Ford SUV. The vehicle name is Ford, and the owner is Nekeisha Ashlyn Elfa. The stock quantity is 100, and the price is \$80,000. The vehicle is available and was created by Nekeisha Ashlyn Elfa on 10/27/2025 at 6:05 AM.

Vehicle Name	Ford
Vehicle Model	SUV
Stock Quantity	100
Price	\$80,000
Vehicle Dealer	AJ
Status	Available
Created By	Nekeisha Ashlyn Elfa, 10/27/2025, 6:05 AM

This screenshot shows a 'New Vehicle Order' dialog box. The vehicle customer is Keisha, and the vehicle is a Ford. The order date is 10/28/2025, and the status is Confirmed. The assigned dealer is currently set to 'Search Vehicle Dealers...'.

Vehicle Order Name	Owner
Keisha	Nekeisha Ashlyn Elfa

Information

\* = Required information

Vehicle Customer: Keisha

Vehicle: Ford

Order Date: 10/28/2025

Status: Confirmed

Assigned Dealer: Search Vehicle Dealers...

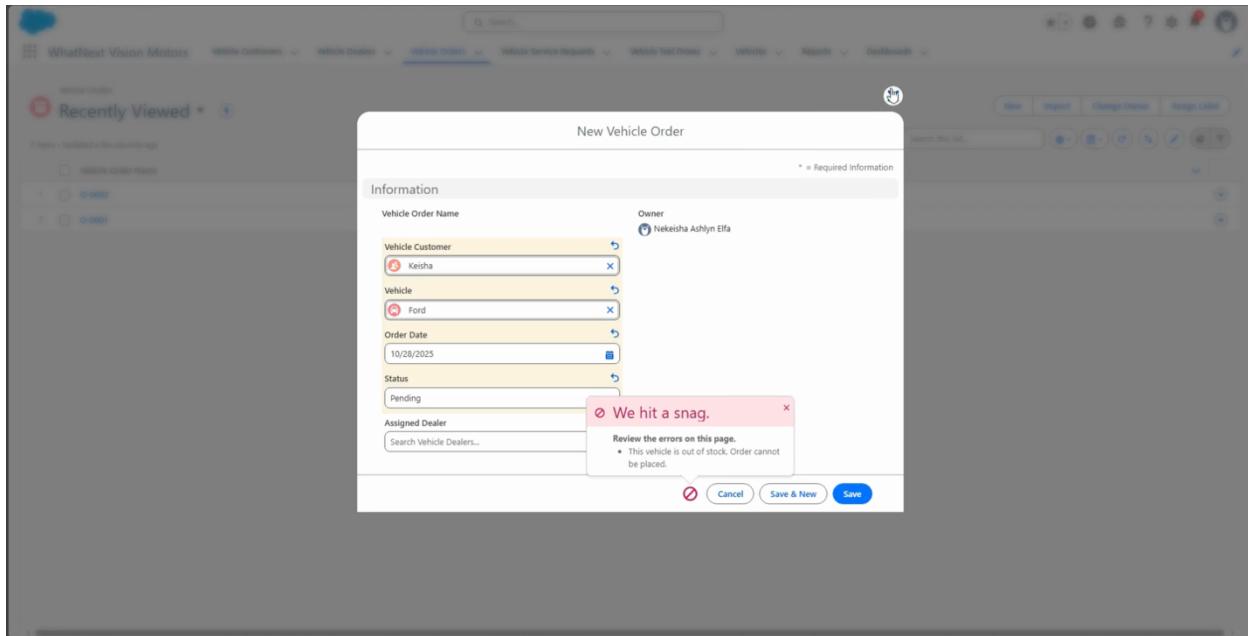
Vehicle Order O-0002 was created.

Vehicle Order Name	Owner
O-0002	Nekeisha Ashlyn Elfa
Vehicle Customer	Keisha
Vehicle	Ford
Order Date	10/28/2025
Status	Confirmed
Assigned Dealer	
Created By	Nekeisha Ashlyn Elfa, 10/27/2025, 6:55 AM
Last Modified By	Nekeisha Ashlyn Elfa, 10/27/2025, 6:55 AM

Vehicles

Vehicle Name	Owner
Ford	Nekeisha Ashlyn Elfa
Vehicle Model	SUV
Stock Quantity	99
Price	\$80,000
Vehicle Dealer	AJ
Status	Available
Created By	Nekeisha Ashlyn Elfa, 10/27/2025, 6:05 AM
Last Modified By	Nekeisha Ashlyn Elfa, 10/27/2025, 6:55 AM

## If stock quantity is 0



## VehicleOrderBatch

The screenshot shows the Salesforce IDE interface with the VehicleOrderBatch apex class open. The code implements a trigger handler for VehicleOrderTrigger. It includes logic to update orders and vehicles if their respective lists are not empty. A global finish method is also present. Below the code editor is a log viewer showing four entries from the system log.

```
60 }
61 }
62 }
63 }
64 }
65 }
66
67+ if (!ordersToUpdate.isEmpty()) {
68     I
69     update ordersToUpdate;
70 }
71
72
73+ if (!vehiclesToUpdate.isEmpty()) {
74     I
75     update vehiclesToUpdate;
76 }
77
78 }
79
80
81+ global void finish(Database.BatchableContext bc) {
82
83     System.debug('Vehicle order batch job completed.');
84
85 }
86
87 }
```

User	Application	Operation	Time	Status	Read	Size
Neleshka Ashlyn Elfa	Browser	/aura	10/27/2025, 9:56:25 PM	Success	Unread	9.86 KB
Neleshka Ashlyn Elfa	Unknown	common.api.soap.DirectSoap	10/27/2025, 9:56:35 PM	Success	Unread	525 bytes
Neleshka Ashlyn Elfa	Browser	/aura	10/27/2025, 9:55:27 PM	Success	Unread	20.19 KB
Neleshka Ashlyn Elfa	Unknown	common.api.soap.DirectSoap	10/27/2025, 9:55:27 PM	Success	Unread	525 bytes

Filter Click here to filter the log list.

## VehicleOrderBatchScheduler

The screenshot shows the Salesforce IDE interface with the VehicleOrderBatchScheduler apex class open. This class implements the Schedulable interface and contains a single execute method that creates a VehicleOrderBatch instance and executes it with a batch size of 50. Below the code editor is a log viewer showing four entries from the system log.

```
1+ global class VehicleOrderBatchScheduler implements Schedulable {
2
3+     global void execute(SchedulableContext sc) {
4
5         VehicleOrderBatch batchJob = new VehicleOrderBatch();
6
7         Database.executeBatch(batchJob, 50); // 50 is the batch size
8
9     }
10
11 }
```

User	Application	Operation	Time	Status	Read	Size
Neleshka Ashlyn Elfa	Browser	/aura	10/27/2025, 9:56:25 PM	Success	Unread	9.86 KB
Neleshka Ashlyn Elfa	Unknown	common.api.soap.DirectSoap	10/27/2025, 9:56:35 PM	Success	Unread	525 bytes
Neleshka Ashlyn Elfa	Browser	/aura	10/27/2025, 9:55:27 PM	Success	Unread	20.19 KB
Neleshka Ashlyn Elfa	Unknown	common.api.soap.DirectSoap	10/27/2025, 9:55:27 PM	Success	Unread	525 bytes

Filter Click here to filter the log list.