

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

Project Overview

WhatNext Vision Motors, a rising leader in the automotive sector, set out to modernize customer experiences and streamline vehicle order management through a customized Salesforce CRM implementation. The project's key objectives included automating dealer assignments, validating vehicle stock in real time, and enhancing customer engagement using Lightning Apps and backend automations. By addressing operational bottlenecks and reducing manual errors, the CRM supports Vision Motors' commitment to innovation and mobility excellence.

Project Objectives

- Centralize and digitize vehicle, dealer, and customer data
- Automate dealer assignment based on customer geography
- Validate vehicle stock availability during order creation
- Enable seamless test-drive scheduling and service requests
- Improve reporting and analytics for better business decisions
- Establish scalable automations for future enhancements (AI recommendations, chatbot integration)

Implementation Phases

Phase 1: Requirement Analysis and Planning

- Business Needs: Overcome manual delays and inventory mismanagement, enable smoother customer journeys
- Scope Definition: Cover vehicle ordering, dealer management, test-drive tracking, automated communications
- Stakeholder Mapping: Sales, service, dealer network, customer support

Phase 2: Salesforce Development – Backend Configuration

- Objects & Fields: Custom objects (Vehicle, Order, Dealer, Customer, Test Drive)
- Validation Rules: Stock availability, required fields, business logic enforcement
- Automations: Flows, Workflow Rules, Process Builders for dealer assignment, order status updates, email reminders
- Apex Development: Triggers and batch classes for backend efficiency

Phase 3: User Interface & User Experience (UI/UX)

- Lightning App: “WhatNext Vision Motors” app in App Launcher
- Dynamic Forms & Layouts: Modern, responsive record pages for all key objects
- User Management: Role-based access for sales teams, dealers, and support staff

Phase 4: Data Migration, Testing, and Security

- Data Import: Ensured seamless migration of legacy data using Data Loader & Import Wizard
- Field History Tracking: Enabled for auditability and transparency
- Duplicate Management: Matching and duplicate rules to maintain clean records
- Security Model: Role hierarchies, profiles, permission sets, sharing rules

Phase 5: Deployment and Maintenance

- Deployment: Managed via Salesforce change sets and versioning
- Maintenance: Defined troubleshooting workflows and scheduled health checks
- Documentation: Maintained logic records and support references for future teams

Conclusion

The Salesforce CRM project for WhatNext Vision Motors successfully delivered on its aims to streamline customer order management and enhance operational workflows. Automated dealer assignment, real-time stock

validation, and robust reporting resulted in improved customer satisfaction and internal efficiency. The CRM platform lays a scalable foundation for future technological expansion and continued innovation in the mobility sector.

Additional Points

Screen captures

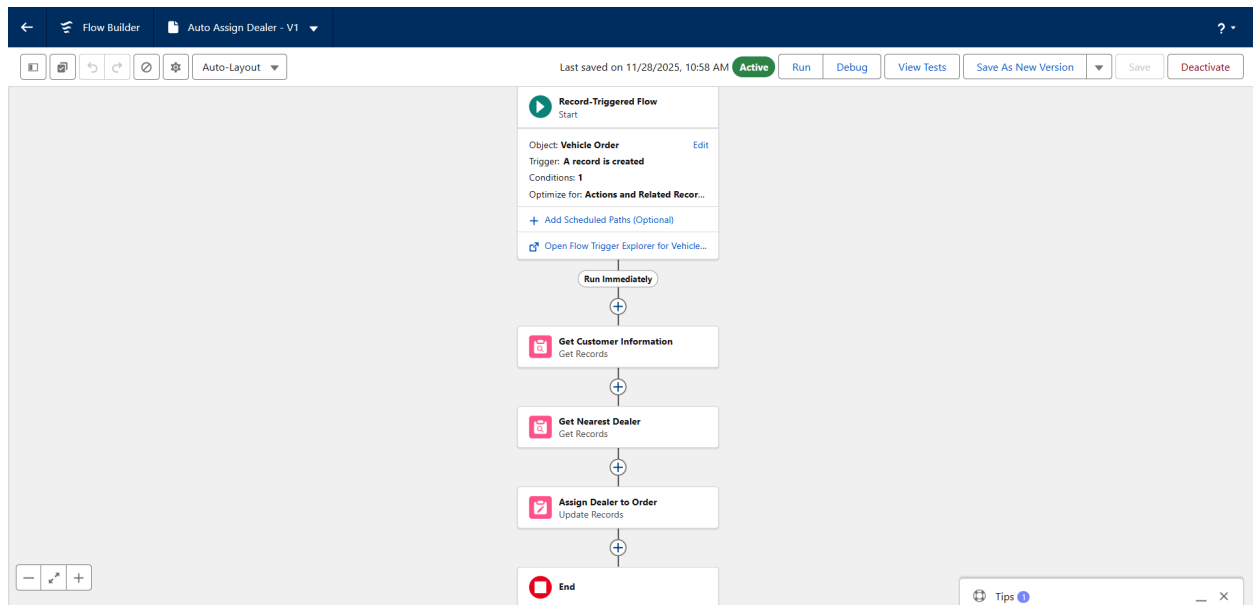


Figure 1. Auto Assign Dealer Flow

This flow allows the app to get the location information of the user and the dealer, so that it can assign the nearest dealer the user can go to.

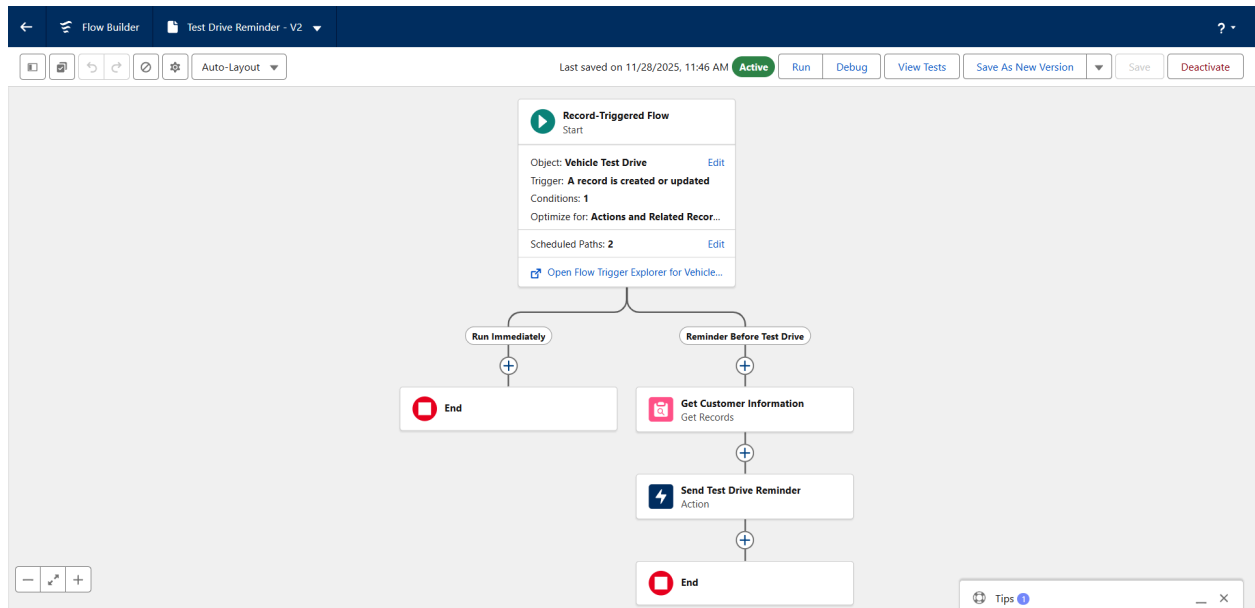


Figure 2. Test Drive Reminder Flow

This lets the app remind the user of their scheduled driver test by getting the information from the user

Vehicle Customers

Recently Viewed ▾

2 items • Updated 32 minutes ago

Search this list...

	Vehicle Customer Name	
1	Shin	▾
2	Faye	▾

Figure 3. Vehicle Customer Object

Allows us to create customers who are willing to buy a vehicle

Vehicle Dealers

Recently Viewed ▾

2 items • Updated a few seconds ago

Search this list...

	Vehicle Dealer Name	
1	Zeth Auto Deal	▾
2	Zey's Auto	▾

Figure 4. Vehicle Dealer Object

Allows us to create vehicle dealers who will sell cars to customers

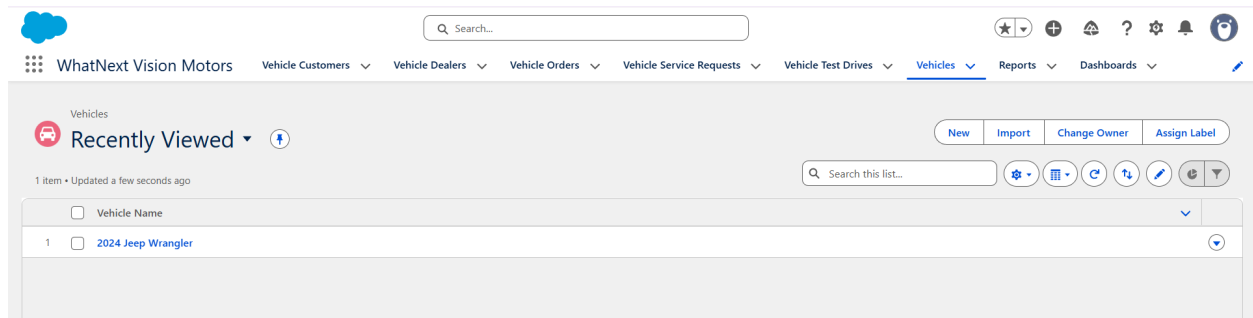


Figure 5. Vehicle Object

Allows us to add cars to the list, this is where the customers can choose which vehicle they like

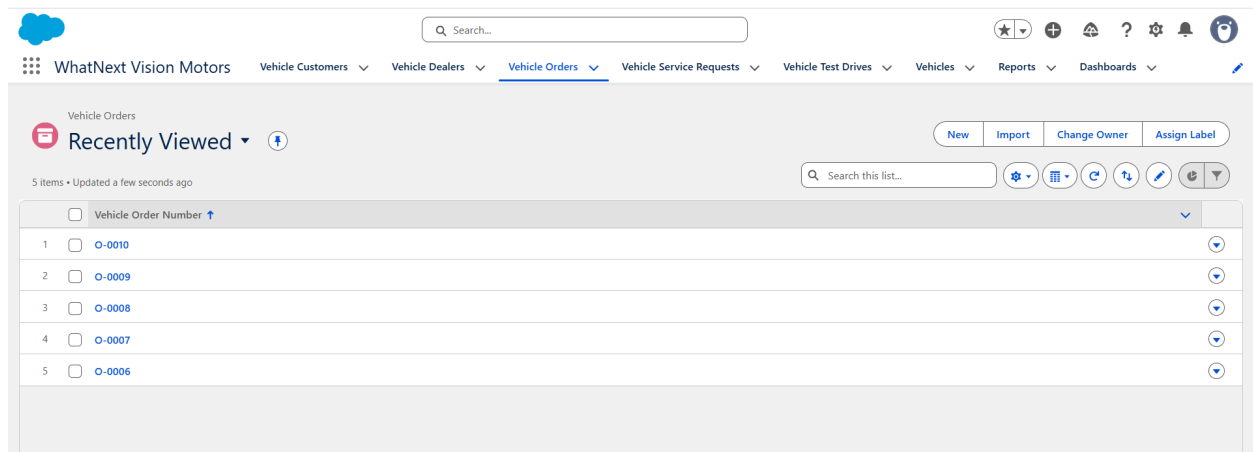


Figure 6. Vehicle Order Object

Allows us to see how many orders are made by different users, and which dealer they are communicating with

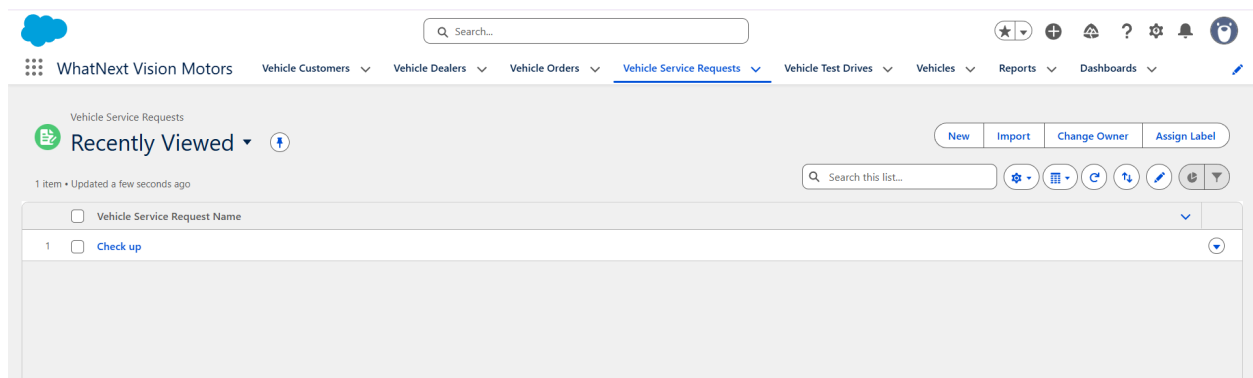


Figure 7. Vehicle Service Request Object

Allows the customers to send a request for a service that they want for their vehicle

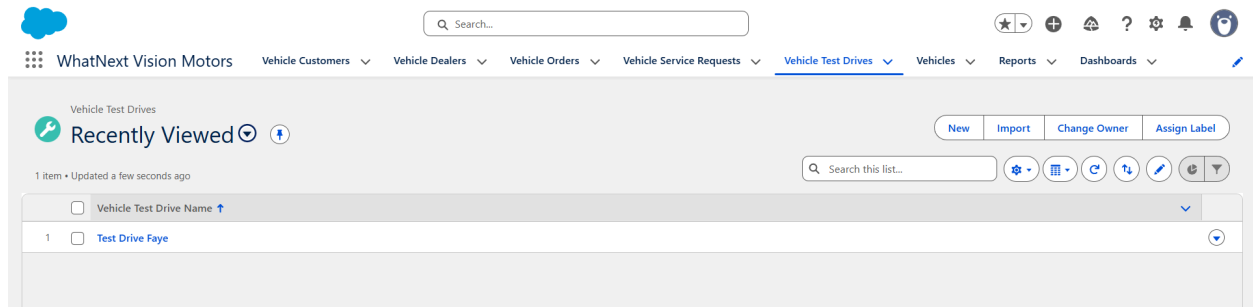


Figure 8. Vehicle Test Drives

Allows us to schedule test drives for the customer to allow them to experience the vehicle



Figure 9. VehicleOrderTriggerHandler

Allows us to Prevent placing an order if stock is zero and Decrease stock when an order is confirmed

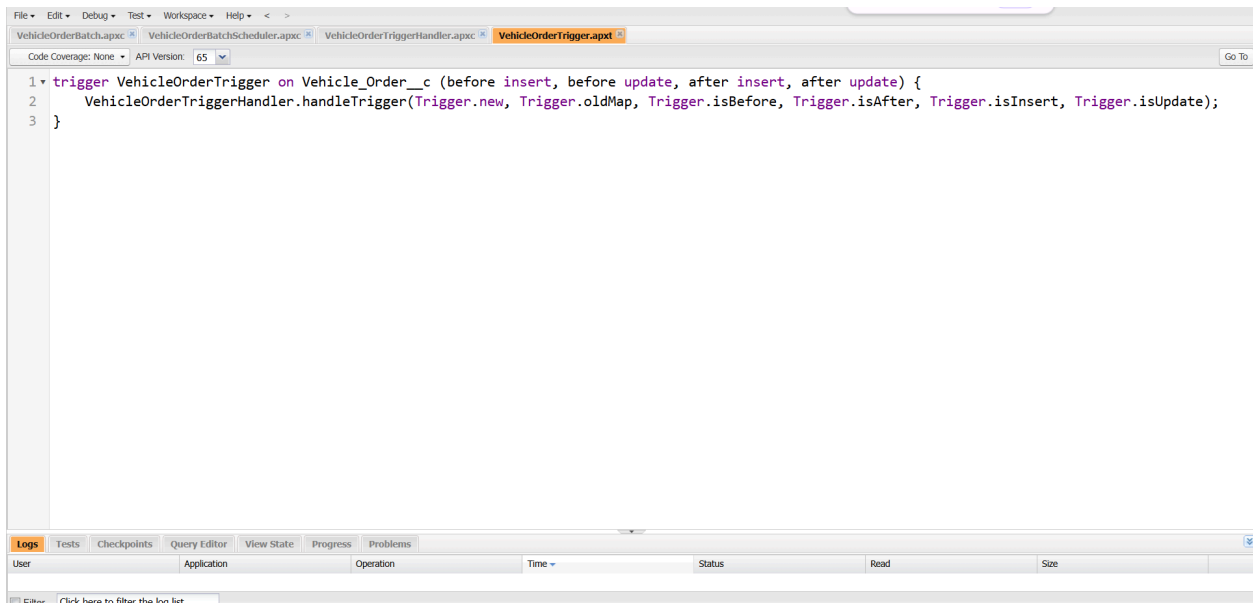


Figure 10. VehicleOrderTrigger

automatic action that runs whenever someone creates or updates a Vehicle Order record in Salesforce

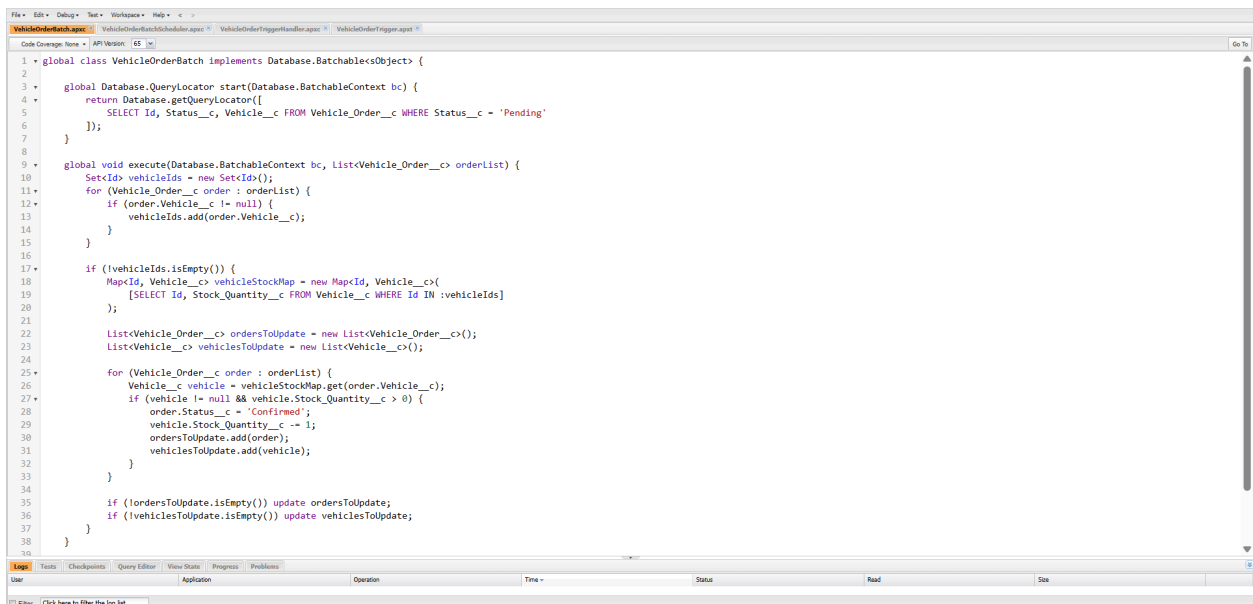


Figure 11. VehicleOrderBatch

used to process a large number of vehicle orders

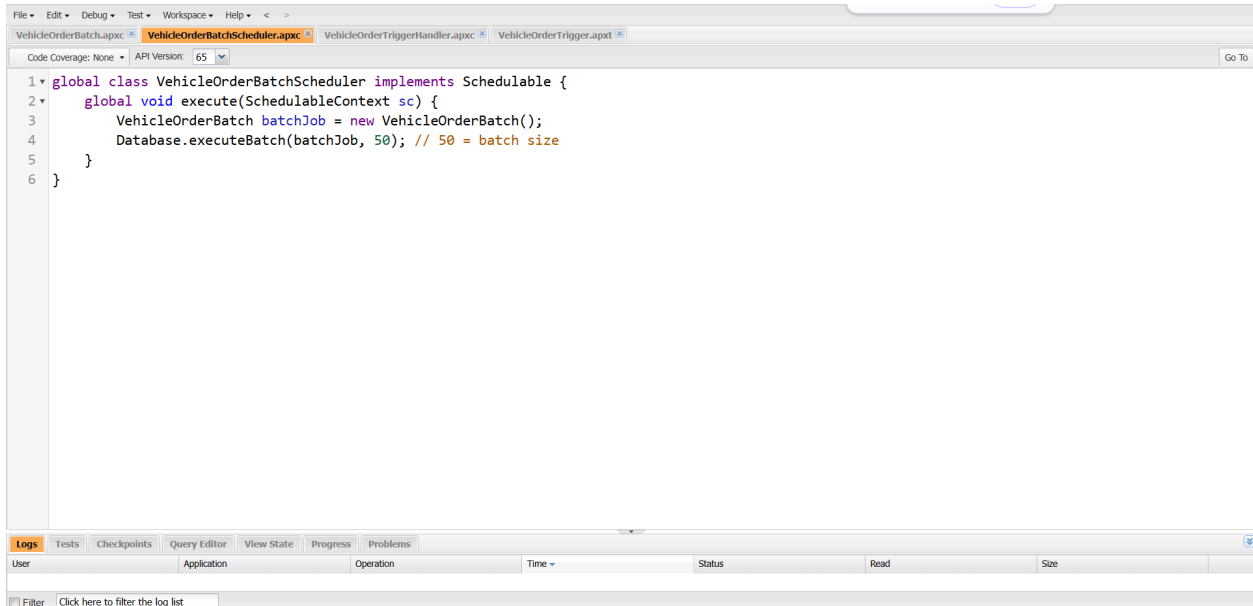


Figure 12. VehicleOrderBatchScheduler

implements the `Schedulable` interface and is responsible for scheduling the `VehicleOrderBatch`