Phase 10 – Final Presentation & Demo (Ashok Motors Capstone)

Objective:

Showcase the complete Ashok Motors Capstone project, demonstrate functionality, gather feedback, and document the project for portfolio.

Demo Video/ LINK -



Ashok Motors - Salesforce CRM Solution

Project Overview

Ashok Motors is a growing automobile dealership facing challenges in managing leads, test drive bookings, service appointments, and customer interactions. To overcome these, a Salesforce CRM solution has been implemented with automation, dashboards, and Lightning Web Components (LWC).

This project covers the end-to-end Salesforce ecosystem: Admin configuration, automation, Apex coding, LWC, integration basics, and reporting.

Problem Statement & Objective

Problems Faced

- Leads scattered across website forms, social media, and offline inquiries.
- No proper tracking for vehicle availability and test drives.
- Manual handling of service appointments and customer complaints.
- Lack of real-time sales insights for management.

Objectives

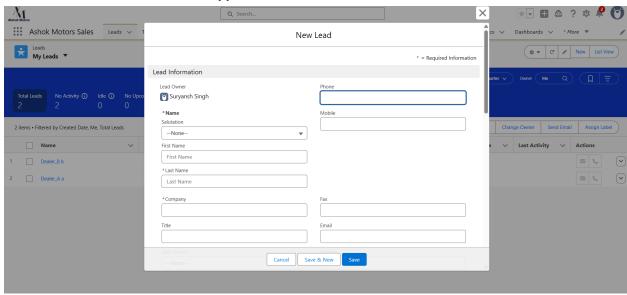
- Automate lead capture, assignment, and qualification.
- Track vehicles, test drives, and service appointments.
- Provide self-service booking via LWC.
- Enable management with reports and dashboards.

• Improve customer satisfaction and reduce manual effort.

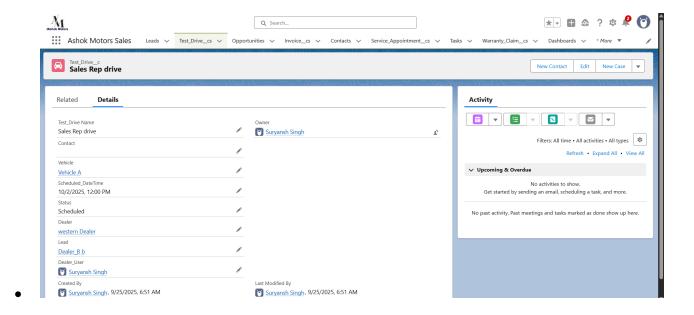
Features & Modules Implemented

1. Lead & Opportunity Management

- Leads captured and assigned to sales reps.
- Qualification process automated (hot/warm/cold).
- Converted leads move into Opportunities for closure.



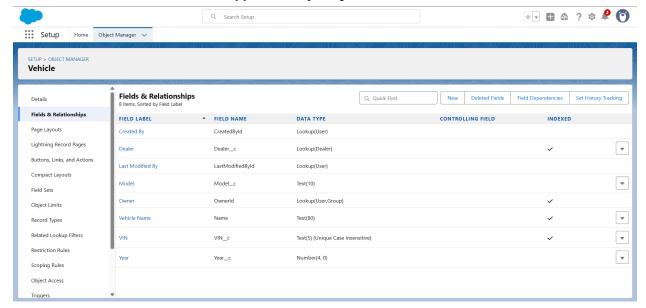
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2. Vehicle Management (Custom Object)

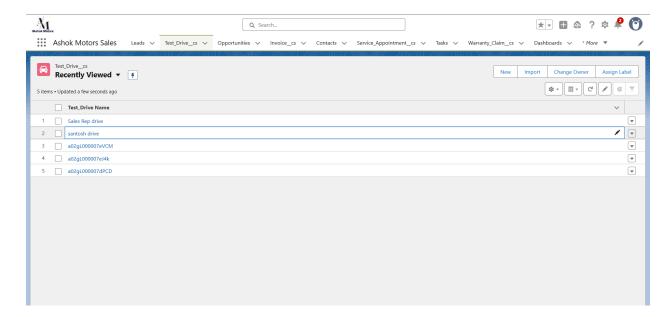
• Custom object Vehicle_c created with fields: Model, Price, Status, Availability.

• Linked with Test Drive and Opportunity objects.



3. Test Drive Management (Custom Object + LWC)

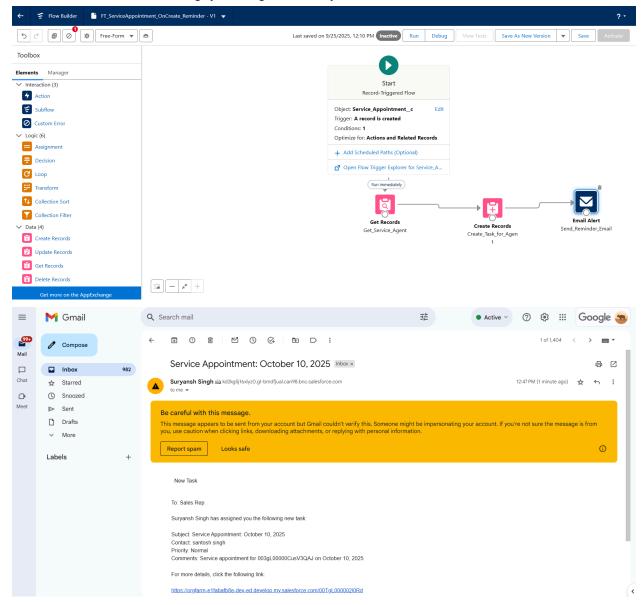
- TestDrive__c custom object for booking details (Customer, Vehicle, Date, Status).
- Built Lightning Web Component (LWC) for real-time booking UI.
- Automated email/SMS alerts for customers and sales reps.



4. Service Appointment Tracking

- Service appointment requests logged in Salesforce.
- Workflow to assign appointments to service agents.

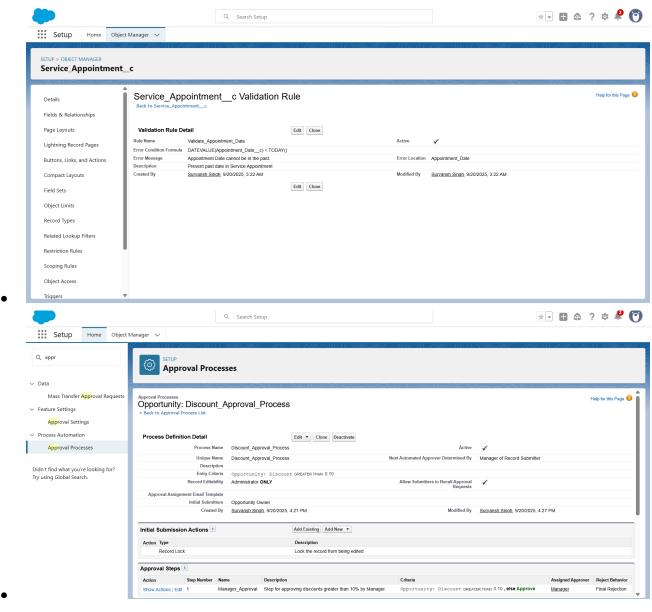
• Dashboard for monitoring pending vs. completed services.

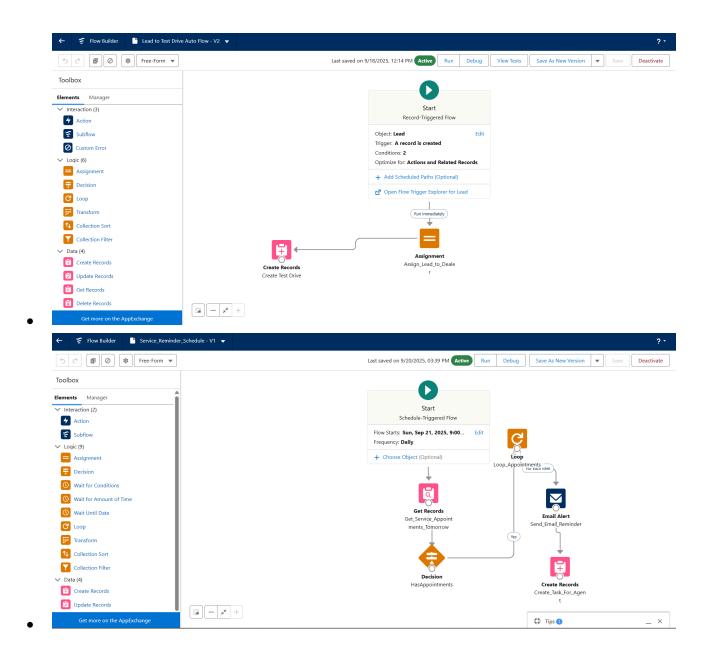


5. Process Automation

- Validation Rules: Ensure mandatory fields (e.g., Contact Info).
- Flows:
 - Lead assignment based on territory.
 - Automatic creation of Test Drive record when Opportunity is "Interested".

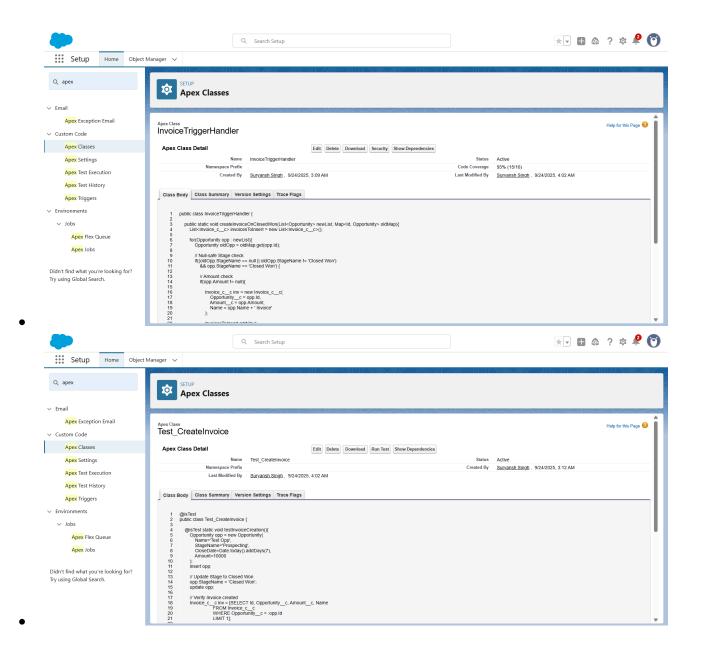
- Approval Process: Discount requests approved by Manager.
- Email Alerts & Notifications: Test drive confirmation emails.

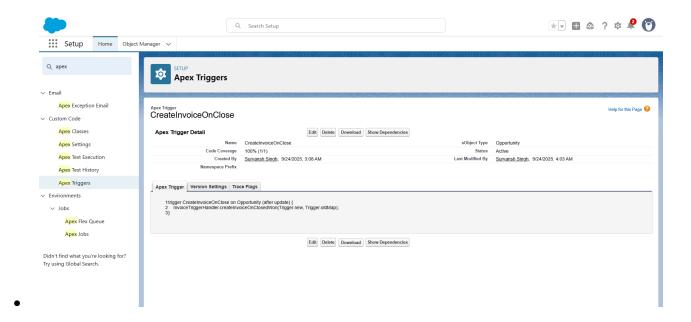




6. Apex Development

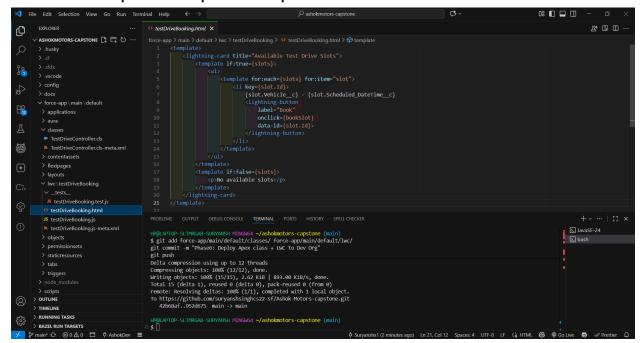
- Triggers: Auto-create Opportunity on Lead conversion.
- Batch Apex: Clean inactive leads weekly.
- Queueable Apex: Bulk email sending for campaigns.
- Test Classes for 85%+ code coverage.

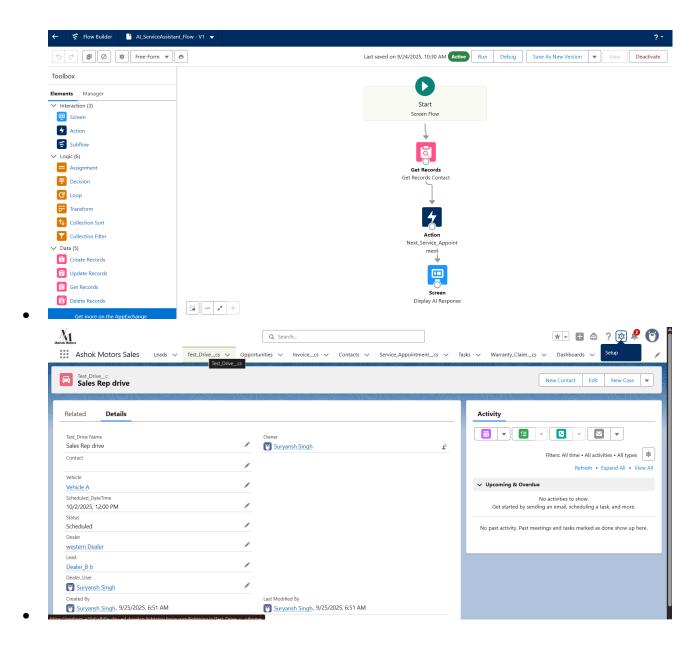




7. Lightning Web Components (LWC)

- Test Drive Booking Component: Simple form for customers.
- Vehicle Search Component: Filter vehicles by price/model.
- Service Appointment Viewer: List upcoming appointments.
- Used @wire adapters + imperative Apex calls for real-time data.

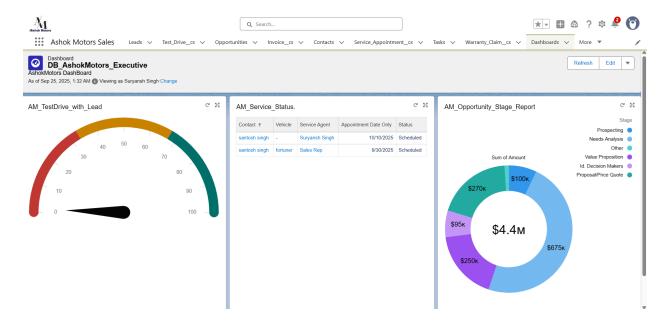




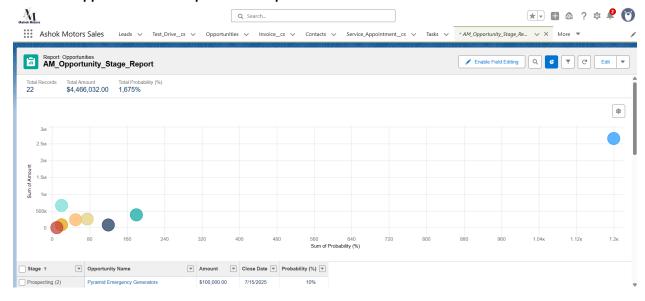
8. Integration (Basic)

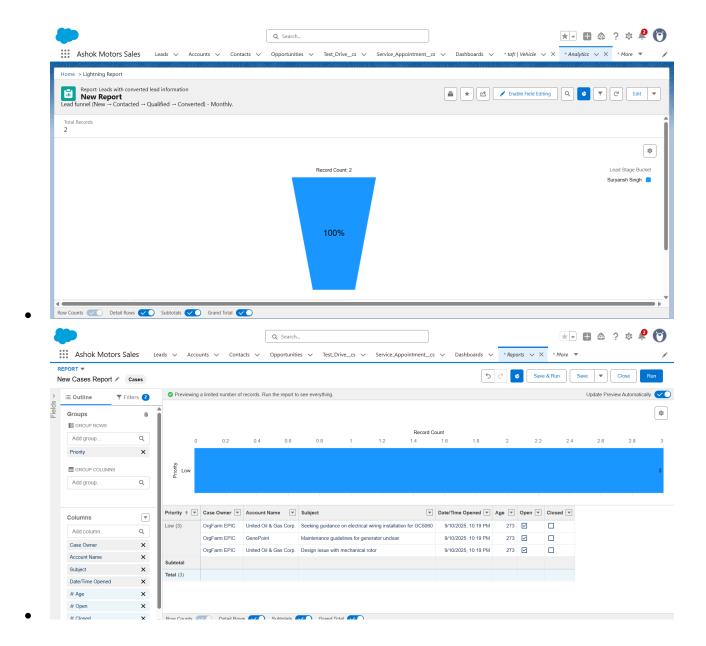
- REST API setup for future website integration.
- Named Credentials configured for secure external callouts.

9. Reporting & Dashboards



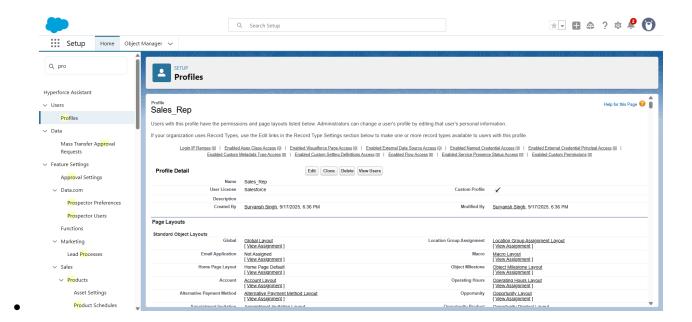
- Lead Funnel Report: Hot/Warm/Cold distribution.
- Test Drive Tracking Dashboard.
- Monthly Sales Performance Dashboard (Dynamic).
- Service Appointment Completion Report.



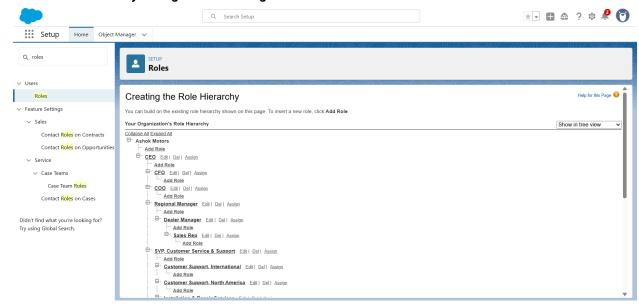


10. Security & Access

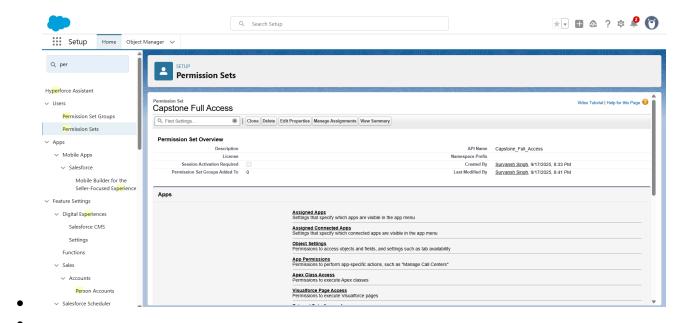
• Profiles: Sales Rep, Service Agent, Manager.



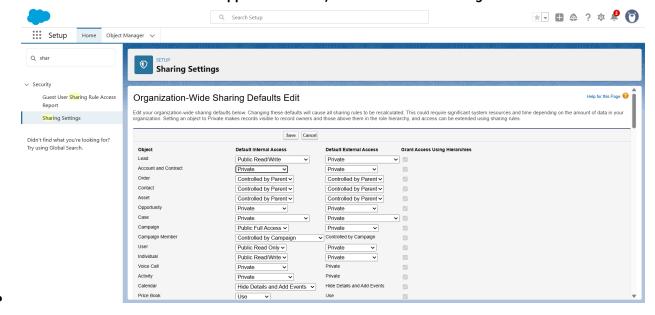
• Roles: Hierarchy \rightarrow Agent \rightarrow Manager \rightarrow Admin.



• Permission Sets for advanced access.



OWD: Private for Leads & Opportunities, Controlled Sharing Rules.



2. Demo Video

LINK -