

# Phase 6 – User Interface Development (Ashok Motors Capstone)

## Objective:

Build a user-friendly and interactive interface for Ashok Motors using Lightning App Builder and Lightning Web Components (LWC), integrating Apex logic and data for real-time operations.

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## 1. Lightning App Builder

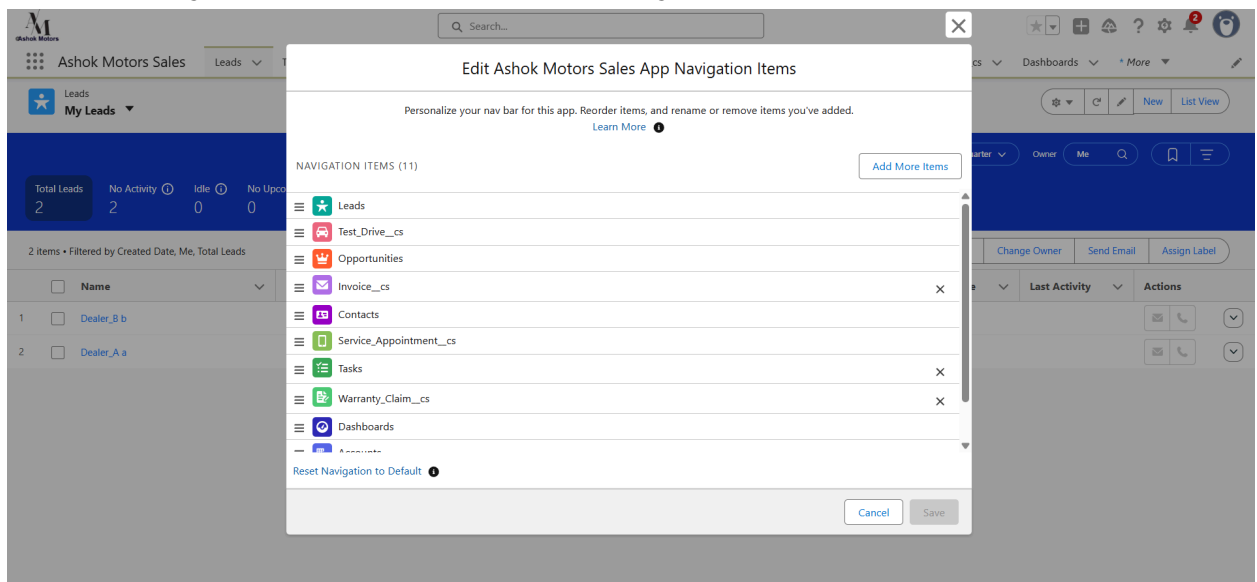
- **Purpose:** Create custom apps and pages for users to access specific functionality.
- **Example:**
  - **Ashok Motors Sales App** – Contains tabs for Vehicles, Test Drives, Invoices, Dashboard
- **Screenshot:**
- **Lightning App Builder (Ashok Motors Sales App)** → Create a centralized app where all tabs and components are accessible in one place.

The screenshot displays the Lightning App Builder interface for the 'Ashok Motors Sales' app. The top navigation bar includes a back arrow, 'Lightning App Builder', 'App Settings', 'Pages', and the app name 'Ashok Motors Sales', followed by a 'Help' icon. The left sidebar, titled 'App Settings', lists 'App Details & Branding' (selected), 'App Options', 'Utility Items (Desktop Only)', 'Navigation Items', and 'User Profiles'. The main content area is titled 'App Details & Branding' and includes the instruction: 'Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.' The 'App Details' section contains three input fields: 'App Name' (filled with 'Ashok Motors Sales'), 'Developer Name' (filled with 'Ashok\_Motors\_Sales'), and 'Description' (filled with 'Ashok Motors Sales'). The 'App Branding' section features an 'Image' upload area (showing the Ashok Motors logo), a 'Primary Color Hex Value' dropdown (set to '#BFC190'), and a 'Clear' link. Below this, the 'Org Theme Options' section has a checked checkbox for 'Use the app's image and color instead of the org's custom theme'. At the bottom, the 'App Launcher Preview' shows a preview of the app's look and feel, including the logo and the app name 'Ashok Motors Sales'.

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## 2. Record Pages

- **Purpose:** Customize record views for different objects and profiles.
- **Example:**
  - Vehicle\_\_c Record Page – Sections for Vehicle Details, Test Drive Requests, and Inventory Status
- **Screenshot:**
- **Show related objects (Test Drive, Service Appointment) and quick actions to speed up daily operations and improve usability.**

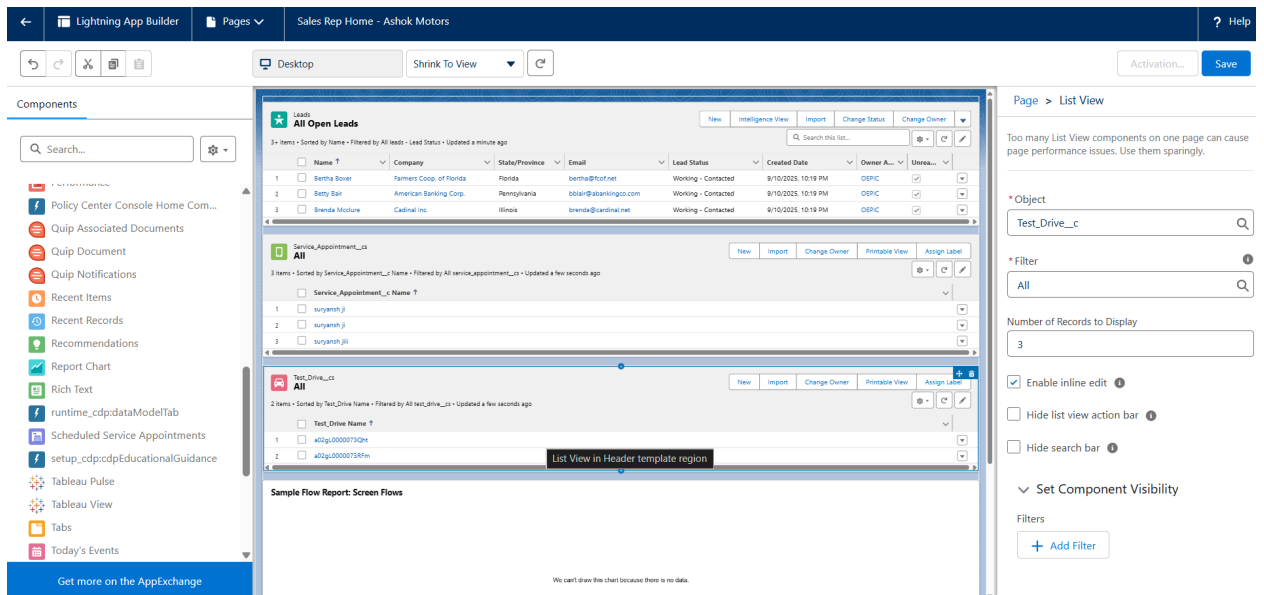


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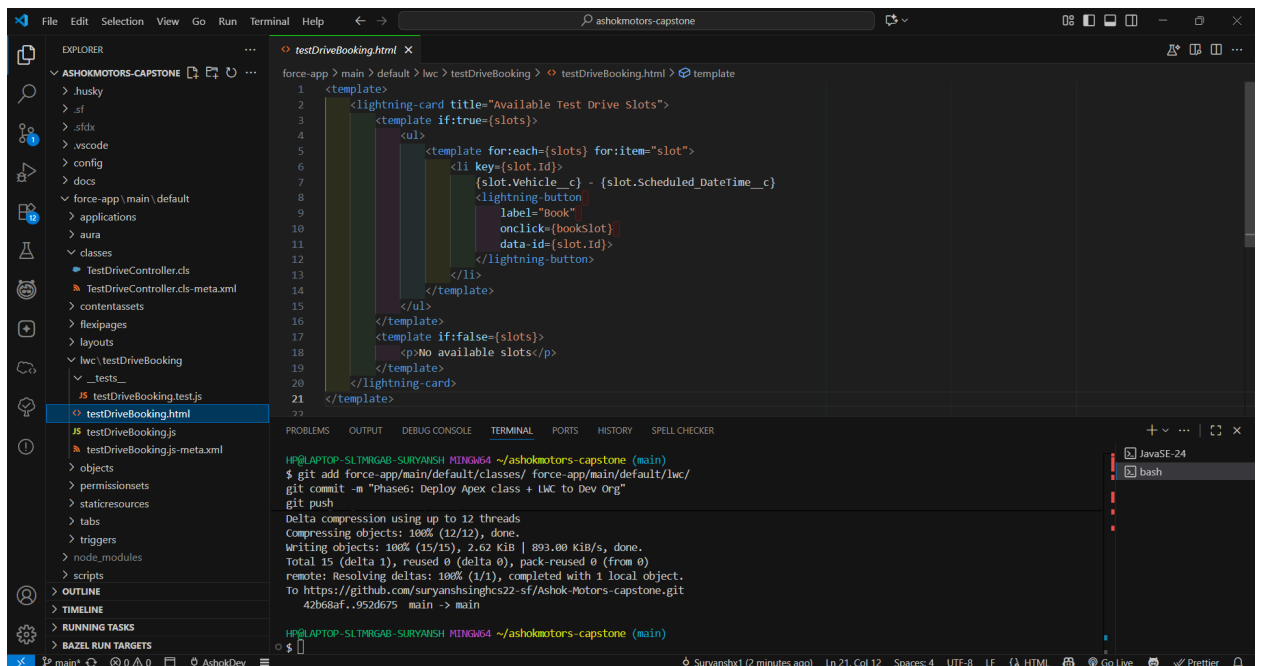
## 3. Lightning Web Components (LWC)

- **Components Developed:**
  1. **vehicleCard** – Displays vehicle details dynamically
  2. **testDriveForm** – Customer test drive booking form
  3. **invoiceSummary** – Shows invoice details with status

- **Integration:** Apex classes used to fetch and update records via Wire & Imperative methods
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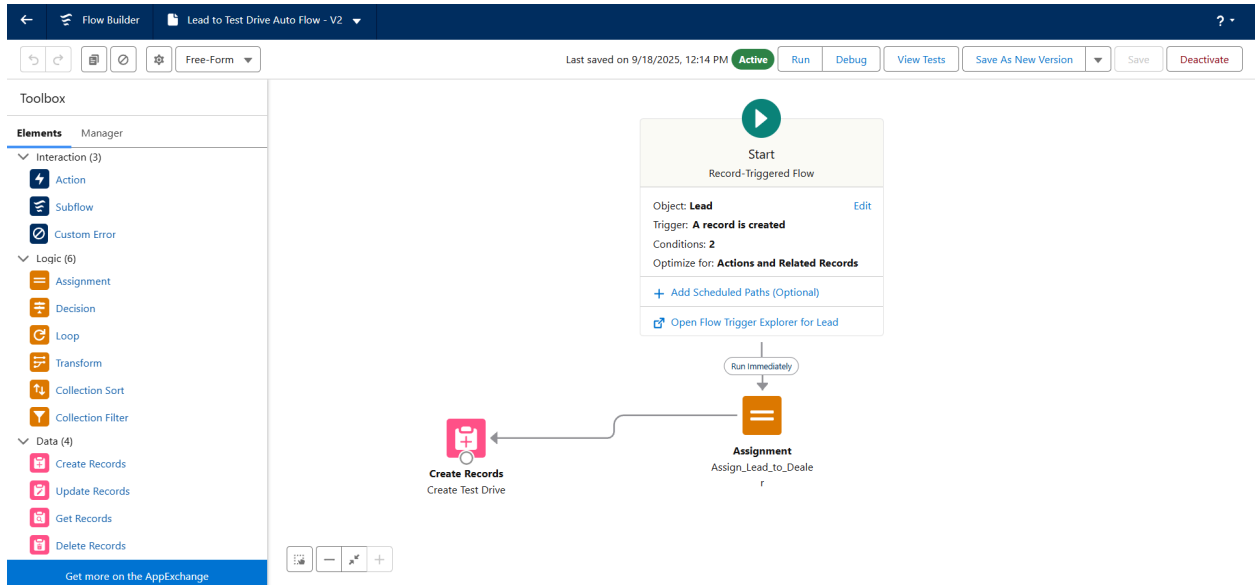


- **Lightning Web Components (LWC) — testDriveBooking** → Interactive UI component allowing users to directly schedule Test Drives and trigger backend automation



## 4. Navigation Service

- **Purpose:** Navigate between pages programmatically from LWC
- **Example:** After submitting Test Drive form, navigate to Test Drive List page
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- **Screen Flow integration on Record Page** → Enable user-friendly automation through quick action buttons (e.g., Lead → Create Test Drive).



The screenshot shows the Salesforce Lead record page for 'Mr. Dealer\_A a'. The page includes a navigation bar with tabs for 'Activity', 'Details', and 'Chatter'. The 'Details' tab is active, displaying a form with the following fields:

Field	Value
Lead Owner	Suryansh Singh
Name	Mr. Dealer_A a
Company	nayara
Title	
Lead Source	
Industry	
Annual Revenue	
Interested in Test Drive	<input checked="" type="checkbox"/>
Dealer	western Dealer
Address	
Product Interest	

The right sidebar shows the 'Related' section with the following items:

- We found no potential duplicates of this Lead.**
- Campaign History (0)**
- Test\_Drive\_cs (1)**
- santosh drive**

The top navigation bar includes a search bar and various utility icons. The bottom bar shows the 'Current Generator(s)' section.



Test\_Drive\_c  
santosh drive

New Contact Edit New Case

Related Details

Test_Drive Name	santosh drive	Owner	Suryansh Singh
Contact			
Vehicle			
Scheduled_DateTime	8/31/2025, 12:00 PM		
Status	Scheduled		
Dealer	western Dealer		
Lead	Dealer A a		
Dealer_User	Sales Rep		
Created By	Suryansh Singh, 9/25/2025, 6:50 AM	Last Modified By	Suryansh Singh, 9/25/2025, 10:59 AM

Activity



Filters: All time • All activities • All types

Refresh Expand All View All

Upcoming & Overdue

No activities to show.  
Get started by sending an email, scheduling a task, and more.

No past activity. Past meetings and tasks marked as done show up here.