

Phase 6: User Interface Development

Goal: Make the Smart Property Portal user-friendly and visually intuitive for agents, buyers, and admins.

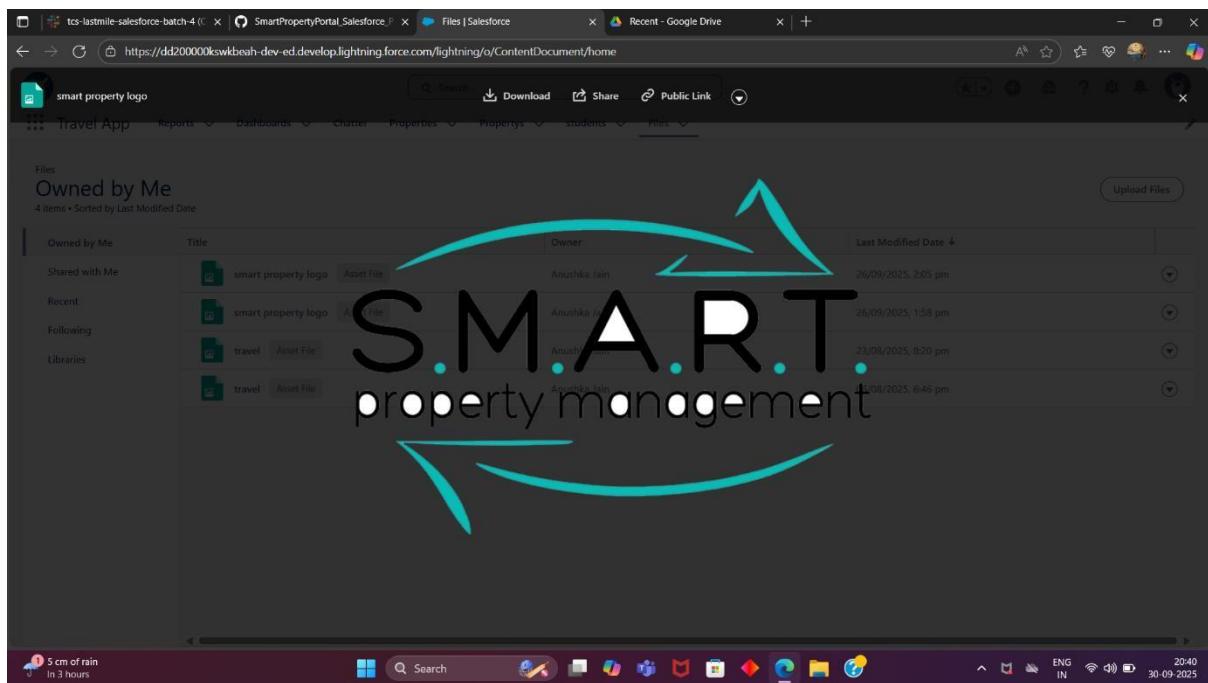
Lightning App Builder

Created a custom Smart Property Portal Lightning App with branded UI and intuitive navigation.

Tabs added: Properties, Agents, Appointments, Leads, Reports

App branding: Logo + colour theme

Screenshot: App Branding screen with logo and hex colour



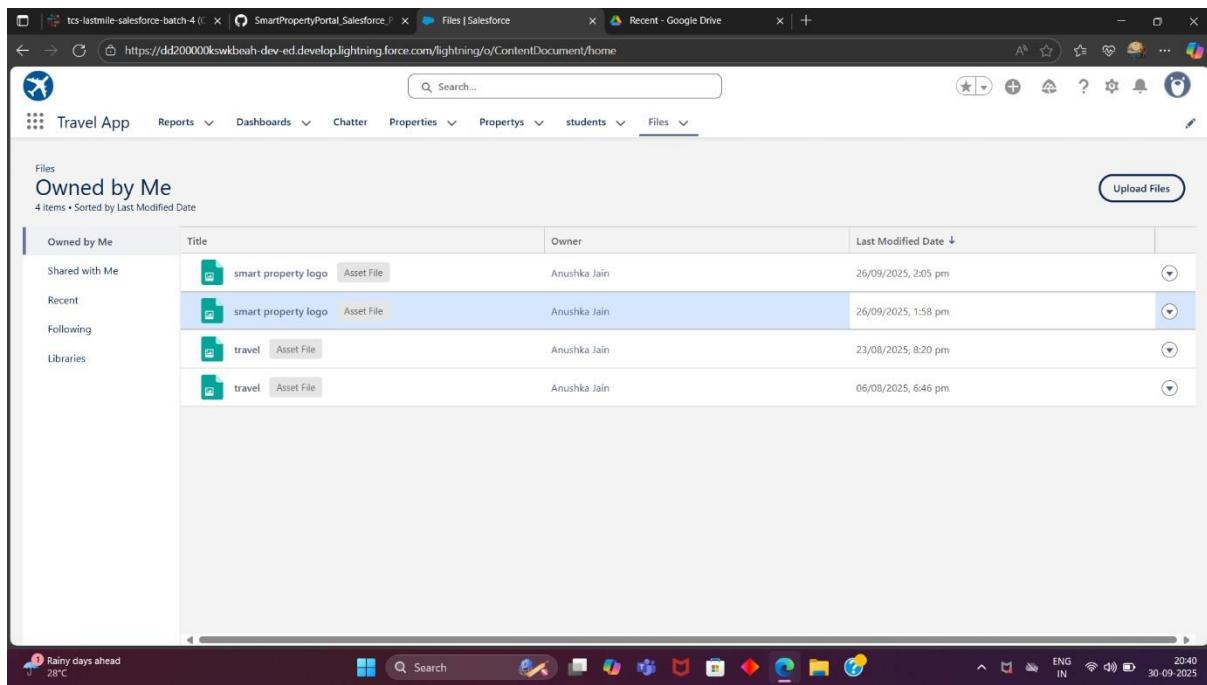
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Record Pages

Customized Lightning Record Pages for key objects:

Object Page Name Key Features

Property : Property Record Page Shows scheduled appointments



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Agent : Agent Record Page Displays assigned properties and leads

Lead: Lead Record Page Shows interest level, contact info, status

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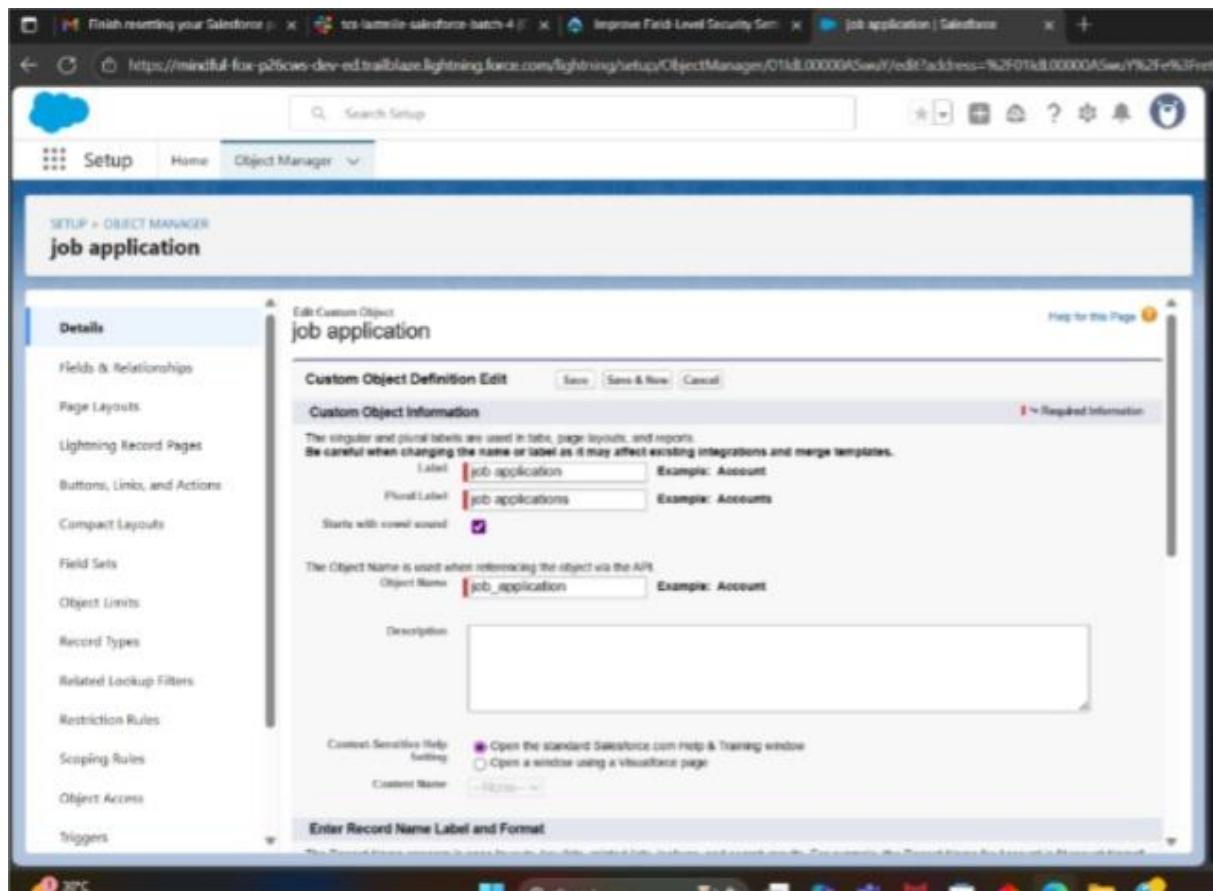
Tabs

Added custom tabs for:

Properties, Agents, Appointments, Reports

Tabs grouped for easy navigation

Screenshot: Tabs setup screen showing custom object tabs



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Home Page Layouts

Designed a dashboard-style Home Page:

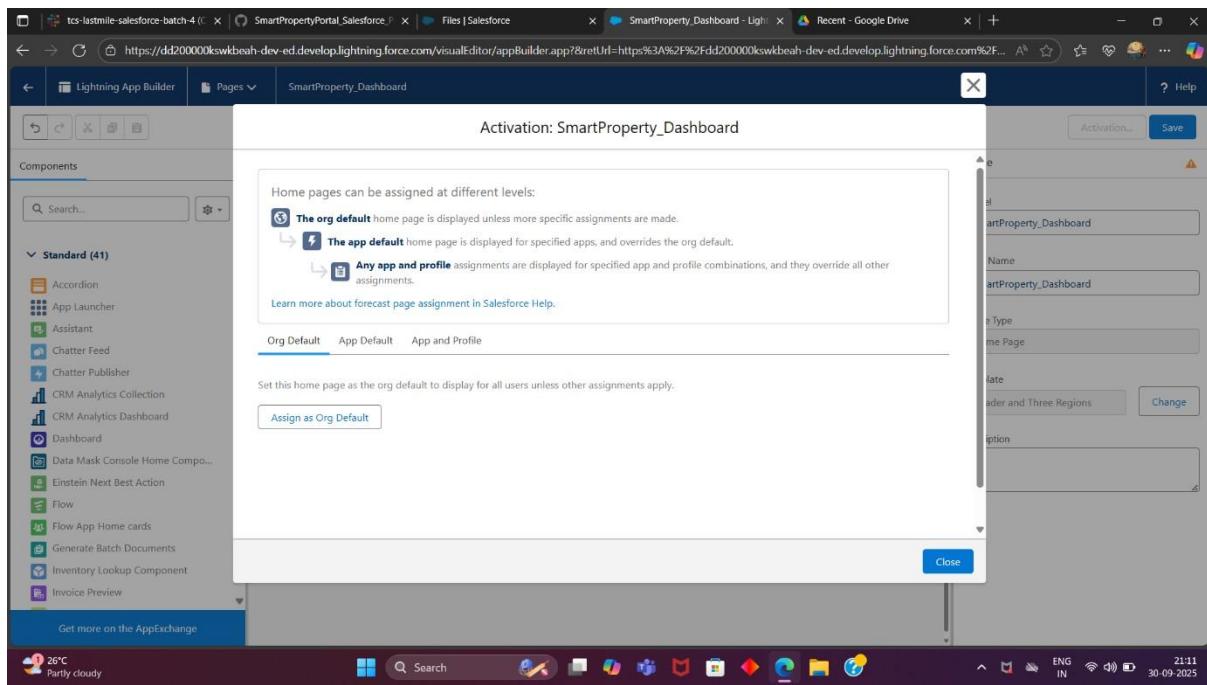
Total active listings

Scheduled appointments

Lead conversion rate

Top-performing agents

Screenshot: Home Page Activation screen



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Utility Bar

Quick actions added for fast access:

“New Property Listing”

“Schedule Appointment”

“Create Lead” Screenshot: App Builder utility bar config

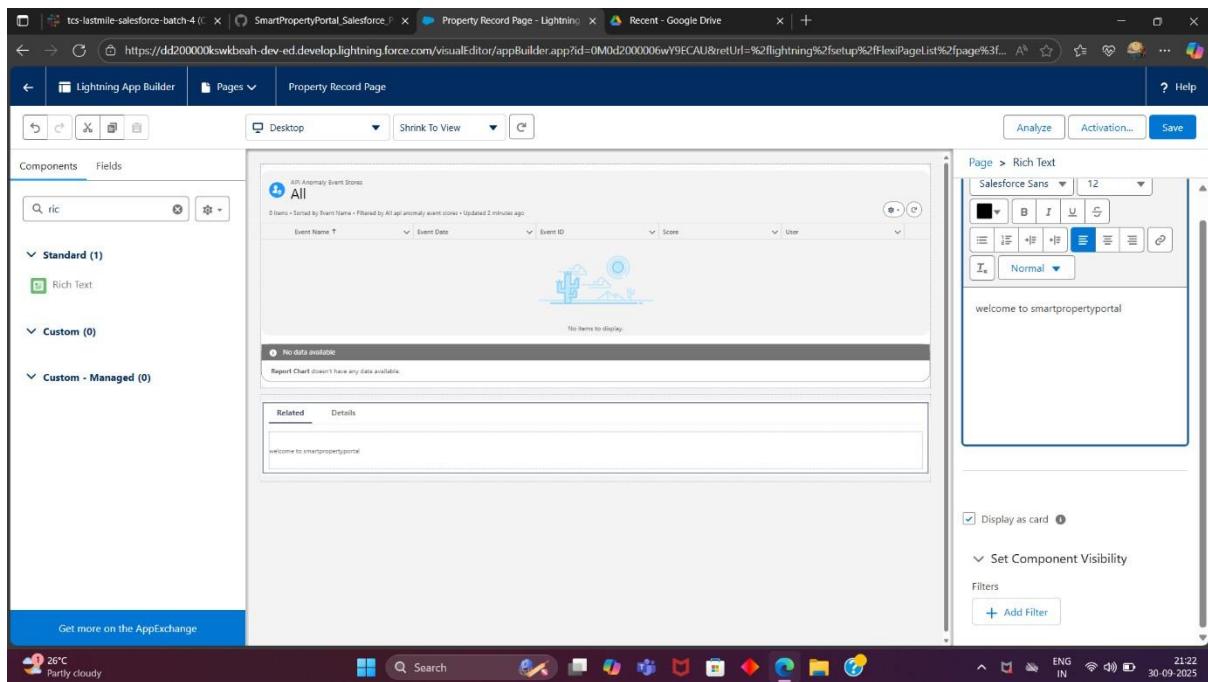
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Lightning Web Components (LWC)

Built custom component: search Properties

Filters: Location, Price Range

Output: Data table with pagination and sorting Screenshot: VS Code or Developer Console showing LWC files



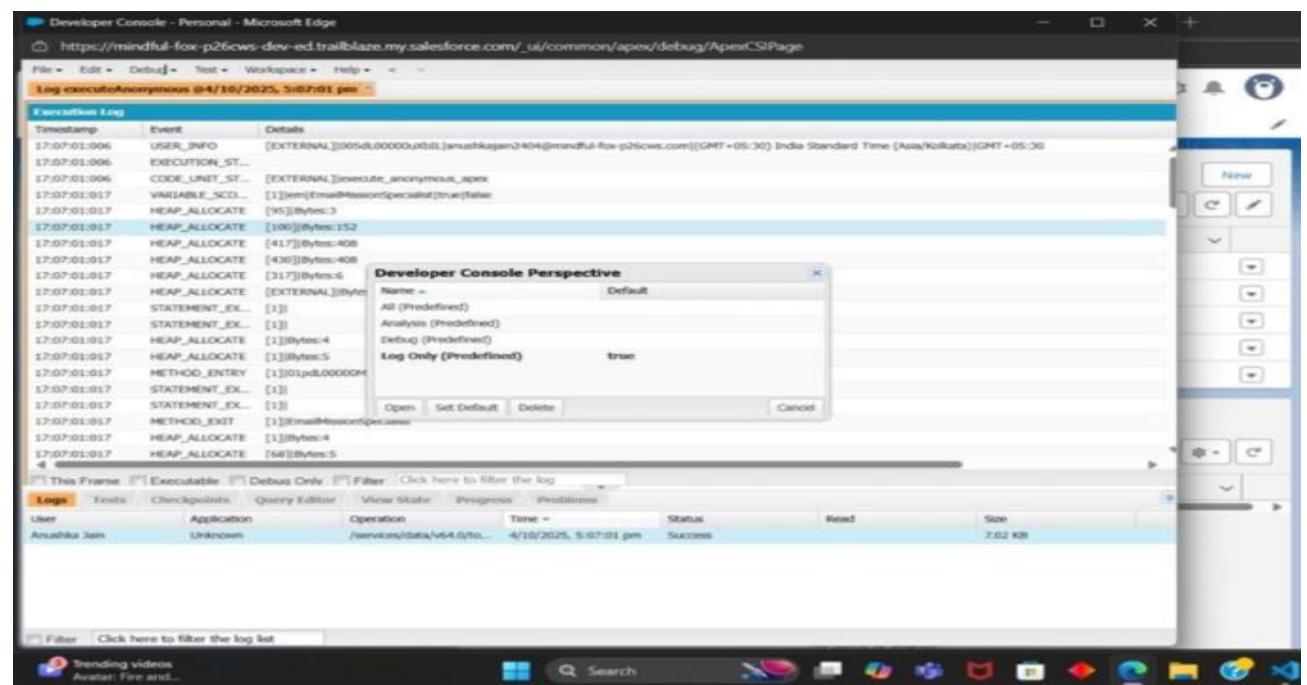
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Apex with LWC

Used Imperative Apex Call to create new Appointment:

Apex Class: AppointmentService.cls

Booking logic handled in Apex Screenshot: Apex class in Developer Console



(https://drive.google.com/file/d/1qpnzha0Z2uXe2FdNaTYCxRN5heJL9Dxu/view?usp=drive_link)

Events in LWC

Child Component: Search form

Parent Component: Property data table

Event flow: Child sends filters → Parent updates results

Wire Adapters

Used @wire to fetch available properties:

Auto-refreshes when filters change

Improves performance and UX

Imperative Apex Calls

On “Book Visit” button click:

Apex method creates Appointment

Success toast shown

Record ID returned

Navigation Service

After booking:

Navigates to Appointment record page using NavigationMixin

Seamless transition for users

“Designed and deployed a fully branded Lightning App for SmartPropertyPortal with custom record pages, dashboards, and Lightning Web Components. Integrated Apex logic for booking automation, used NavigationMixin for seamless UX, and implemented @wire and event-driven architecture for dynamic property search.”