**Project Progress Documentation**

**Project:** All State Independent Inspection Web Application  
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**Progress Period:** July 5, 2025 – July 13, 2025

**Overview**

Between **July 5th and July 13th, 2025**, I have designed, developed, and integrated all the core pages for the **Dealer and Technician modules** in the All State Independent Inspection web application.

The app is designed with two user roles in mind 1- **Dealers** 2- **Technicians** and provides a smooth, modern, and professional user experience for both.

From the very first screen, users are guided clearly based on their role. Dealers can register and manage their service requests through a dedicated dashboard. Technicians can also register, log in, and will have their own dashboard (currently being finalized).

The Dealer side is fully functional, with support for submitting inspection posts, editing them, deleting with confirmation, filtering by city or offer, and tracking the status of each post. The UI is polished with a clean layout, responsive design, animations, and styled components that give the app a premium feel.

This document walks through each screen’s functionality, the purpose of the page, and what features are included.

**Page-wise Feature Summary**

**Landing Page ( Home page)**

**Purpose**: Entry point to direct Dealers and Technicians to their respective login/register flows.

**Highlights:**

* Dual-role navigation: “Are you a Dealer?” and “Are you a Technician?”
* Separate Register and Login buttons for each user group
* Glassmorphic welcome card with subtle animations
* Neumorphic buttons for a premium UI touch
* Fully mobile responsive

**Dealer Registration Page**

**Purpose**: Enables new dealers to sign up with essential business and location details.

**Highlights:**

* Form fields: Name, Email, Password, City, State, Zipcode
* Backend email duplication check
* Success view with message and Login redirection
* Shows appropriate error messages when registration fails

**Dealer Login Page**

**Purpose**: Allows existing dealers to log in using their email.

**Highlights:**

* Email-based login with toast error/success feedback
* Password input shown for completeness (not yet validated)
* Redirects to the Dealer Dashboard (Postings Page) upon successful login
* Styled inputs with Bootstrap & gradient button

**Technician Registration Page**

**Purpose**: Registers new technicians along with experience and optional dealership name.

**Highlights:**

* Fields include: Name, Email, Password, City, State, Zipcode, Years of Experience
* Optional: Dealership Name
* Success and error handling flows with dynamic messaging
* Redirects to Technician Login on success

**Technician Login Page**

**Purpose**: Allows technicians to log in to their dashboard.

**Highlights:**

* Simple email login (password field for UI only)
* Displays success toast when redirected after registration
* Navigates to Technician Dashboard upon login
* Gradient styling and form layout enhancements

**Postings Page (Dealer Dashboard)**

**Purpose:** This is the core workspace for the dealer after login — where they manage all their inspection service requests. It gives full control over creating, editing, deleting, and tracking every post they’ve submitted.

**Full Feature Breakdown**

**1. Post Submission Form**

* **Fields Included:**
  + **Description** (required): Text area where dealers describe the issue/request.
  + **Location** (required): Dropdown powered by react-select, with search capability across U.S. cities and state names.
  + **Offer Amount** (optional): If numeric, auto-formats as $value in display (e.g., enters 120, shows $120).
* **Location Dropdown:**
  + Dynamically generated from JSON of U.S. cities/states.
  + Fully searchable with smooth filtering (case-insensitive).
  + Integrates with react-select and styled to match the app's UI.
* **Styling & UX:**
  + Blur background, neumorphic card, responsive layout.
  + Active field borders change color (focus/blur).
  + Smooth animations and hover effects.
* **Toast Feedback:**
  + Success for post submission.
  + Error on failure (e.g., backend error or bad input).

**2. View All Posts**

* Every post submitted by the dealer is listed below the form.
* Posts are styled in cards with shadow, borders, and animations on hover.
* **Each card shows:**
  + 📝 Description
  + Location (formatted and capitalized)
  + Offer amount (with $ if numeric)
  + Status Badge with dynamic color:
    - Pending → Warning
    - Accepted → Primary
    - Completed → Success
    - Cancelled → Danger
  + Timestamps (Created/Updated shown with formatted time & date)

**3. Edit Post Functionality**

* Any post that’s not "COMPLETED" can be edited.
* Fields editable: Description, Location, Offer
* Features:
  + Inline editing enabled
  + Enter key saves changes
  + “Cancel” button exits edit mode
  + Detects if changes were made — if not, shows “No changes” toast
* **Backend Integration:**
  + Sends updated post to backend using /posts-update-id
  + Displays success/failure messages based on backend response

**🗑️ 4. Delete Post with Confirmation Modal**

* Every post includes a **Delete** button
* Clicking delete opens a **beautifully styled modal** with:
  + Warning icon
  + Message: *“This action cannot be undone”*
  + Two buttons:
    - Cancel (closes modal)
    - Confirm Delete (calls delete API and reloads list)
* Smooth animations on modal entry/exit
* Toasts shown on success or error

**5. Filter Functionality**

* Filters located right above the post listing
* Filter Types:
  + **By Location**
  + **By Offer Amount**
* Dynamically generated from unique values of dealer's past posts
* Selection triggers a filter request to backend
* Filters clear automatically if the same value is reselected
* Small × icon shown to remove individual filters
* **Clear Filters** button resets all filters and reloads the full list

**6. Logout Button**

* Positioned top-right
* Securely logs out dealer and redirects to login page

**Additional Technical Points**

* **React State Handling:**
  + Manages multiple pieces of state: post object, filters, modal, city selection, etc.
* **API Endpoints:**
  + submit-post, posts-by-email, posts-update-id, delete-by-id, filters
* **Validation:**
  + Frontend: Required fields
  + Backend: Rejects bad/duplicate data
* **Error Handling:**
  + Every async operation wrapped in try/catch with custom toast messages
* **Performance:**
  + Efficient re-fetching only when needed
  + Filters applied server-side for scalability

### **What’s Been Fully Implemented (As of July 13, 2025):**

**Core Functional Pages (Frontend + Backend Integrated):**

1. **Landing Page** – dual-role entry point with navigation
2. **Dealer Registration** – with validations, success/failure handling
3. **Dealer Login** – secure redirection, error handling
4. **Technician Registration** – extended form with validations
5. **Technician Login** – login flow with toast feedback
6. **Dealer Dashboard (Postings Page)** –
   * New post creation with validations
   * Smart city dropdown with react-select
   * Inline editing with change detection
   * Deletion with modal confirmation
   * Filter logic (location, offer amount)
   * Status badge with timestamp handling
   * UI animations, styling, toast integration
   * Full API connectivity and error handling

**Technical Details Covered:**

* Modular React components
* Full form validations (client + server)
* Responsive design with Bootstrap
* Toastify for feedback handling
* Axios integration for API calls
* Route protection via navigation checks
* Dynamic filtering and conditional rendering
* Advanced state management (edit, modal, filters)
* Clean and modern styling (glassmorphic, neumorphic)
* Time formatting + offer formatting logic