Phase 6: User Interface Development

1. Introduction:

This phase focused on building the user interface for the SAHAYA system using Salesforce Lightning Experience. We created a dedicated application with optimized navigation, record pages, and a dashboard-like home page to provide an intuitive experience for disaster response teams.
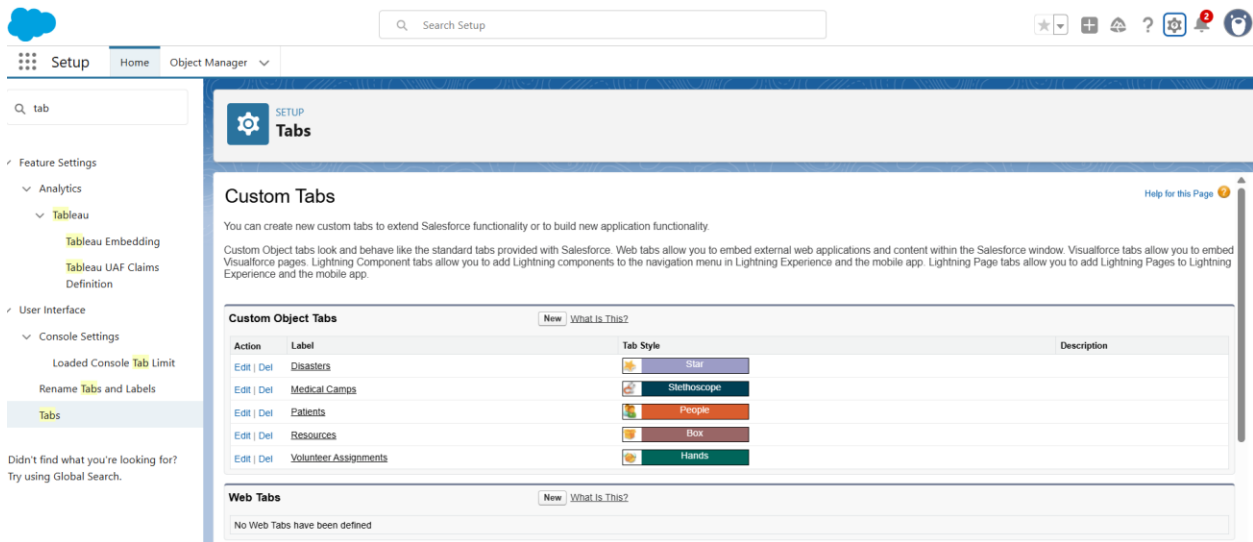
2. Objectives:

- Create custom tabs for easy access to disaster management objects.
- Build a dedicated Lightning app for disaster response operations.
- Optimize record pages for efficient data entry and viewing.
- Develop a home page layout with key operational information.
- Implement a user-friendly interface tailored to different user roles.

3. Implementation Steps:

Step 1 — Custom Tabs Creation
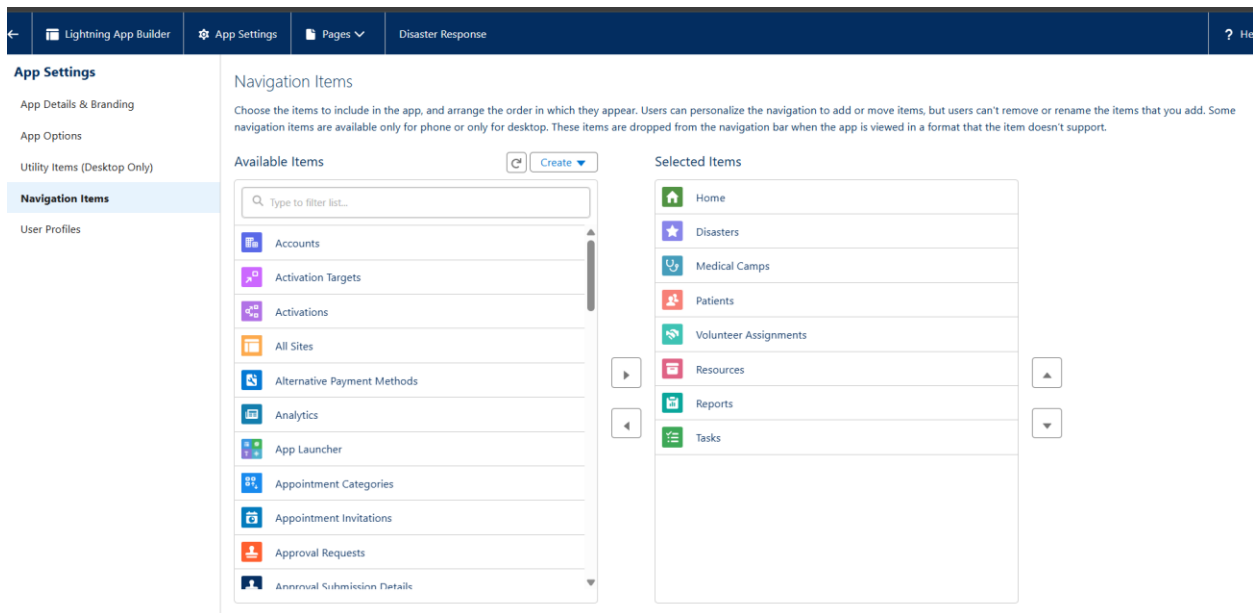Created Lightning Experience tabs for all core custom objects:
- Disaster Tab (Emergency icon) - For managing disaster events
- Medical Camp Tab (Campground icon) - For relief camp management
- Patient Tab (Patient icon) - For patient care tracking
- Volunteer Assignment Tab (Volunteer icon) - For staff management
- Resource Tab (Inventory icon) - For supply tracking

Step 2 — Lightning App Builder

Built a custom "Disaster Response" Lightning app:

- App Name: Disaster Response
- Included Tabs: Home, Disaster, Medical Camp, Patient, Volunteer Assignment, Resource, Reports, Tasks
- Assigned to: Disaster Manager, Field Coordinator, Medical Volunteer profiles
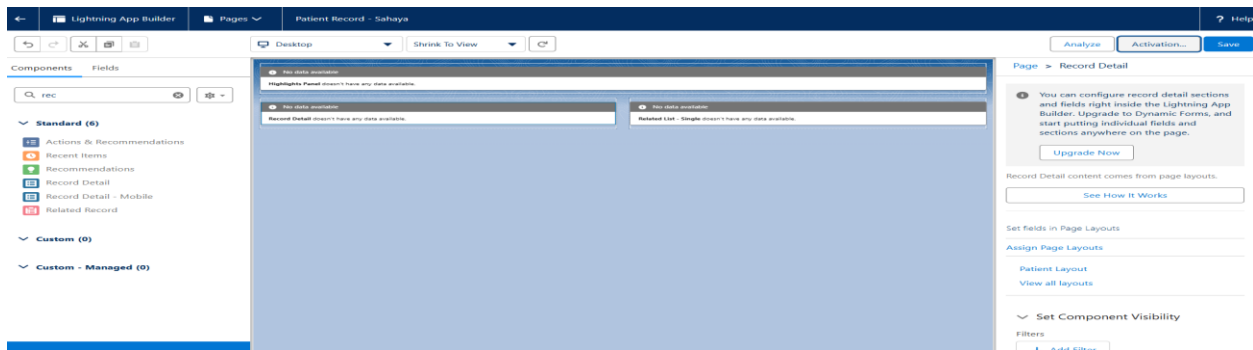- Navigation: Standard navigation for desktop and mobile

Step 3 — Record Pages Optimization

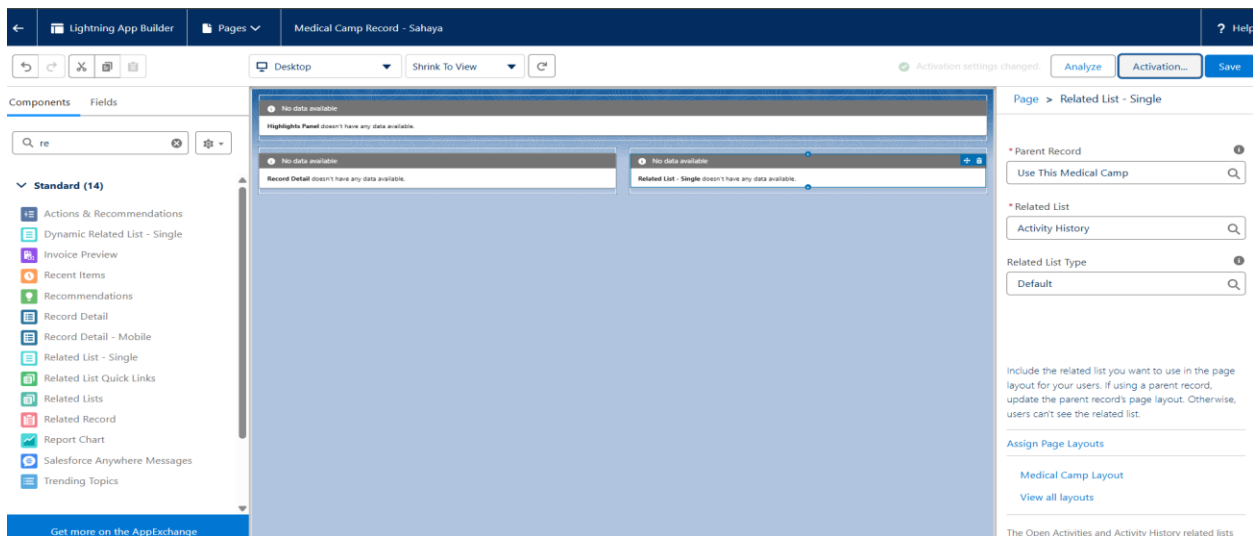Designed optimized Lightning record pages for key objects:

Patient Record Page:

- Highlight Panel: Patient Name, Condition, Status (from compact layout)
- Detail Section: Medical Camp, Age, Treatment Date
- Clean, focused layout for quick medical assessment
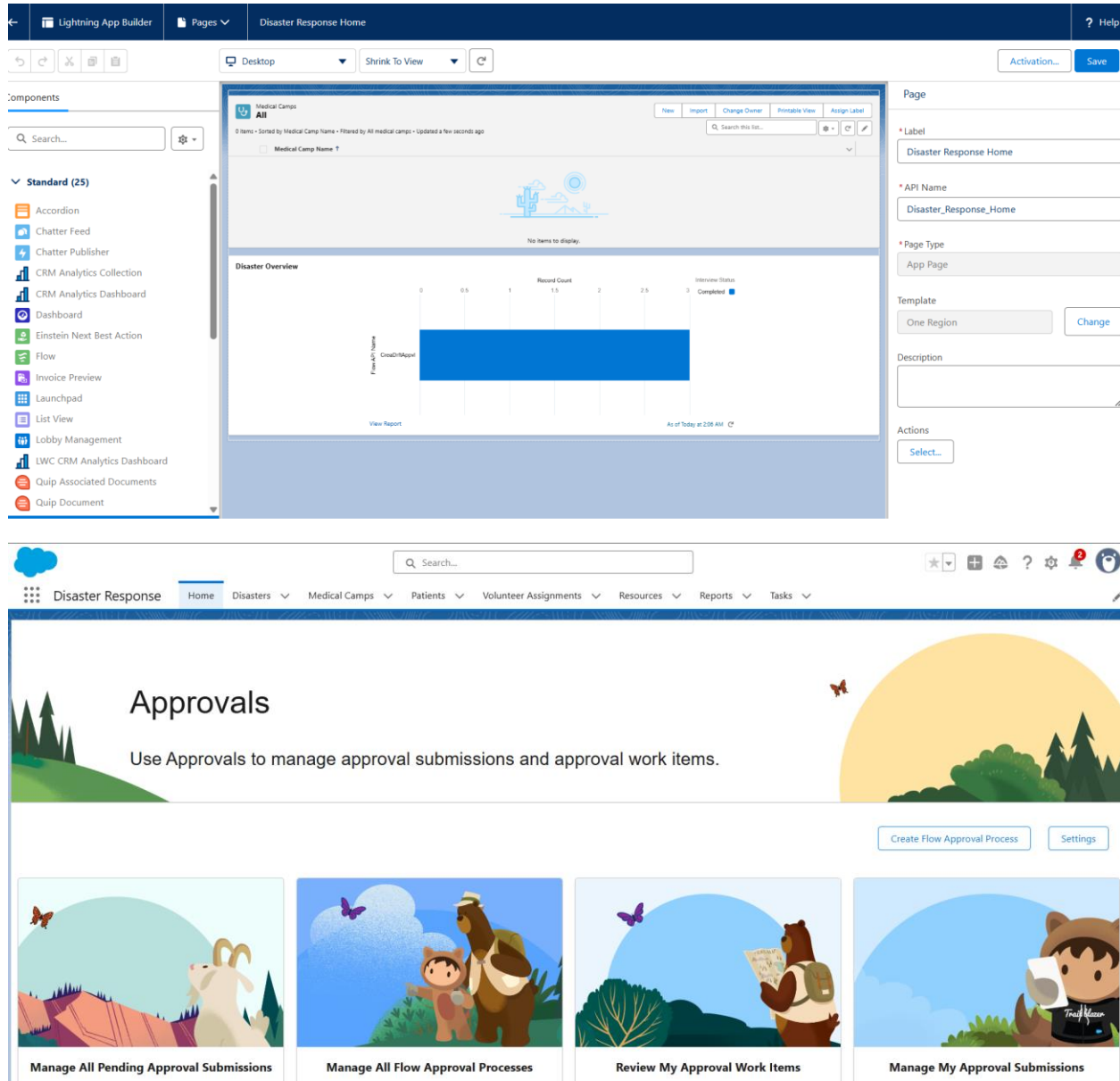

Medical Camp Record Page:

- Highlight Panel: Camp Name, Status, Location
- Detail Section: Disaster, Capacity, Contact Information
- Optimized for camp management operations

Step 4 — Home Page Layout

Created "Disaster Response Home" app page:

- Template: One Region layout
- Components: Medical Camps list view, Report chart placeholder
- Purpose: Dashboard view for quick operational overview
- Activation: Set as home page for Disaster Response app

4. Key Features :

- Implemented Custom Navigation: Dedicated tabs and app for disaster operations
- Role-Based Access: Different interfaces for managers, coordinators, and volunteers

- Mobile Ready: Responsive design for field use
- User-Centric Design: Optimized layouts for specific tasks.