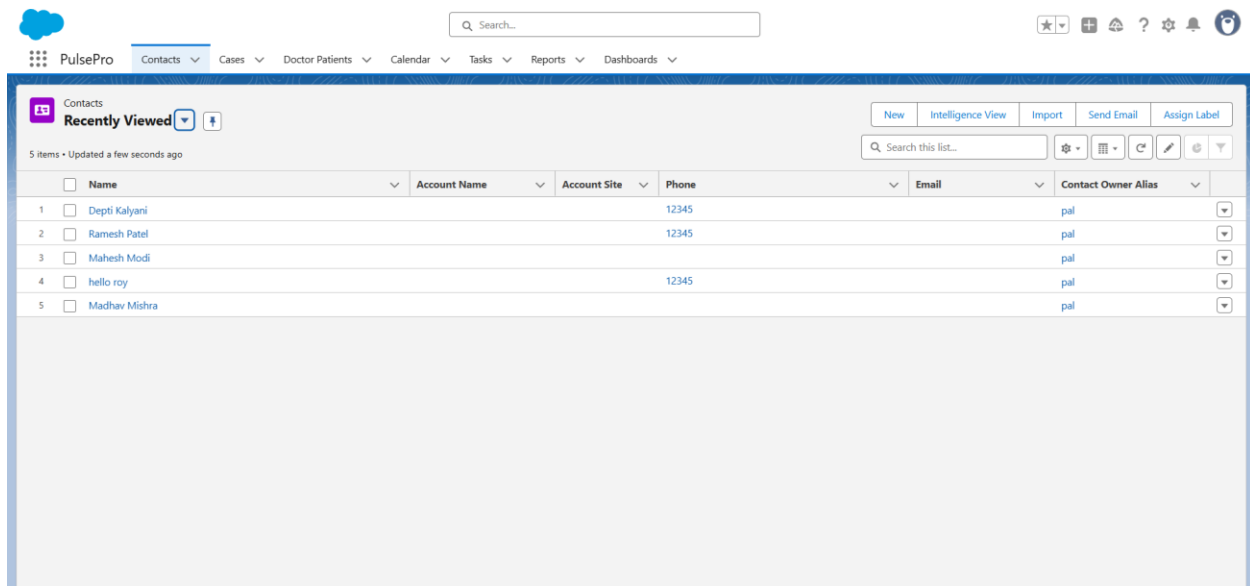


Phase 6: User Interface Development

In Phase 6, the user interface of the Salesforce application was customized to create an intuitive and user-friendly environment for managing hospital appointments and patient records through the **PulsePro** app. The design focused on making essential information accessible for Doctors, Managers, and Receptionists.

Lightning App Builder

- A new custom Lightning App named **PulsePro** was created.
- Navigation Items added:
 - Contacts (Patients)
 - Cases (Treatments/Appointments)
 - Doctor Patients (junction object)
 - Calendar
 - Tasks
 - Reports
 - Dashboards



PulsePro | **Contacts** | **Recently Viewed** | 5 items • Updated a few seconds ago

Buttons: New, Intelligence View, Import, Send Email, Assign Label

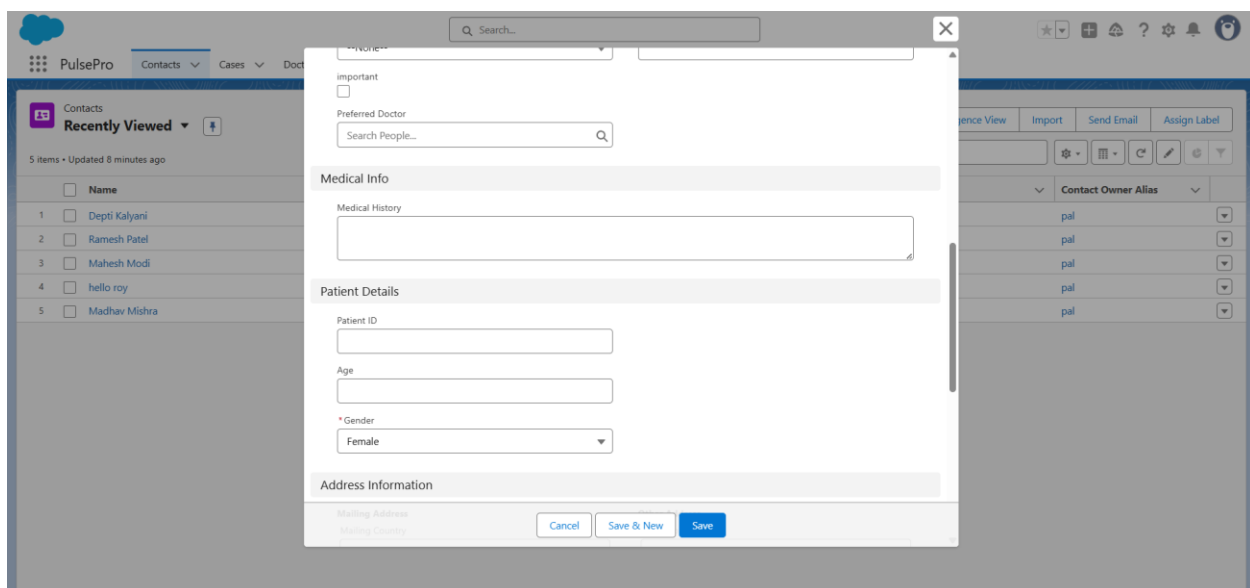
Search: Search this list...

	Name	Account Name	Account Site	Phone	Email	Contact Owner Alias
1	<input type="checkbox"/> Depti Kalyani			12345		pal
2	<input type="checkbox"/> Ramesh Patel			12345		pal
3	<input type="checkbox"/> Mahesh Modi					pal
4	<input type="checkbox"/> hello roy			12345		pal
5	<input type="checkbox"/> Madhav Mishra					pal

Record Pages

The **Contact Record Page** was customized to display patient details including **Patient ID**, **Age**, **Preferred Doctor**, and **Medical History**, along with related lists for **Doctor Patients** and **Cases**.

The **Case Record Page** was customized to display fields such as **Treatment Notes**, **Medicines Prescribed**, **Doctor Assigned**, and **Follow-Up Date**, ensuring that doctors and managers can easily track treatments and assignments.



PulsePro | **Contacts** | **Recently Viewed** | 5 items • Updated 8 minutes ago

Buttons: New, Intelligence View, Import, Send Email, Assign Label

Search: Search this list...

	Name	Account Name	Account Site	Phone	Email	Contact Owner Alias
1	<input type="checkbox"/> Depti Kalyani			12345		pal
2	<input type="checkbox"/> Ramesh Patel			12345		pal
3	<input type="checkbox"/> Mahesh Modi					pal
4	<input type="checkbox"/> hello roy			12345		pal
5	<input type="checkbox"/> Madhav Mishra					pal

Medical Info

Medical History

Patient Details

Patient ID

Age

* Gender

Female

Address Information

Mailing Address

Mailing Country

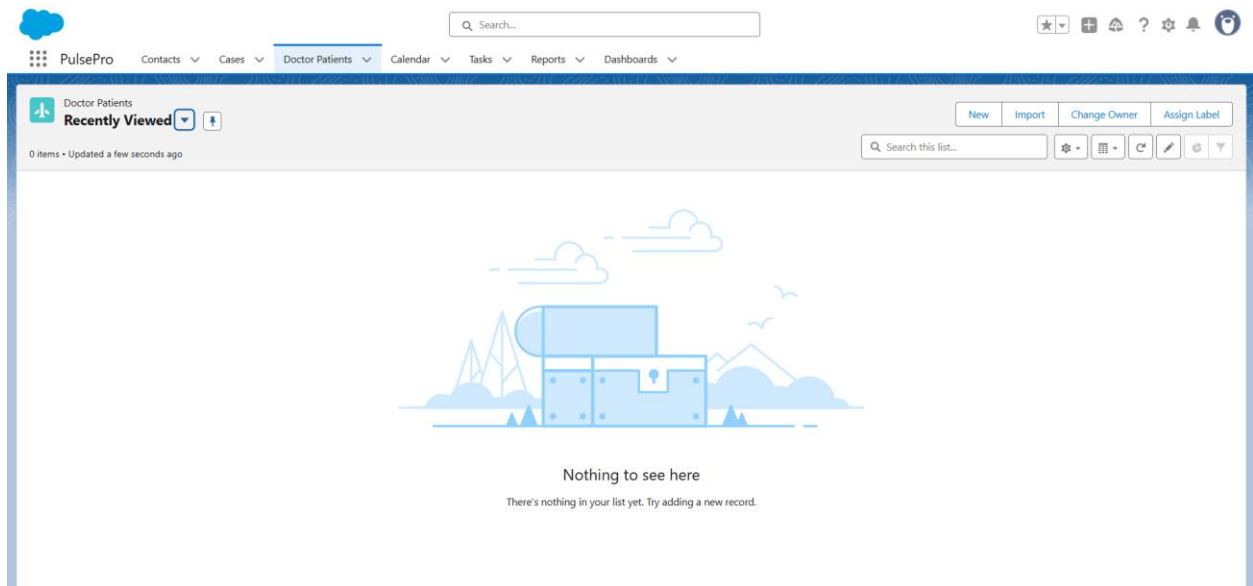
Cancel Save & New Save

The screenshot shows a 'Treatment Details' modal form in the PulsePro app. The form is overlaid on a background showing a 'Cases' table with columns for Case Number and Subject. The modal form contains the following sections:

- Internal Comments:** A text area for notes.
- Treatment Details:**
 - Treatment Notes:** A text area for treatment notes.
 - Medicines Prescribed:** A text area for prescribed medicines.
 - Doctor Assigned:** A search bar with the placeholder text 'Search People...' and a magnifying glass icon.
 - Follow Up Date:** A date picker icon.
- Footer:** Two checkboxes: 'Assign using active assignment rule' and 'Send notification email to contact'. At the bottom right are three buttons: 'Cancel', 'Save & New', and 'Save'.

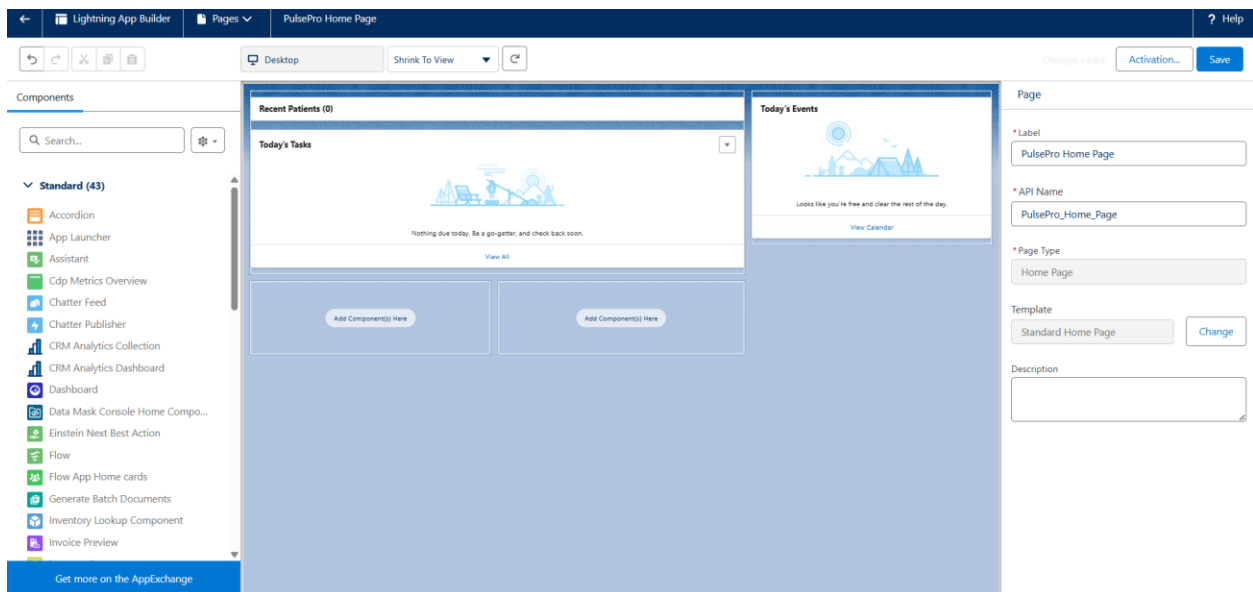
Tabs

Navigation tabs were added within the PulsePro app to provide quick access to essential records and features, including **Contacts, Cases, Doctor Patients, Reports, Dashboards, Calendar, and Tasks**. This organization ensures that users can switch between different functionalities seamlessly.



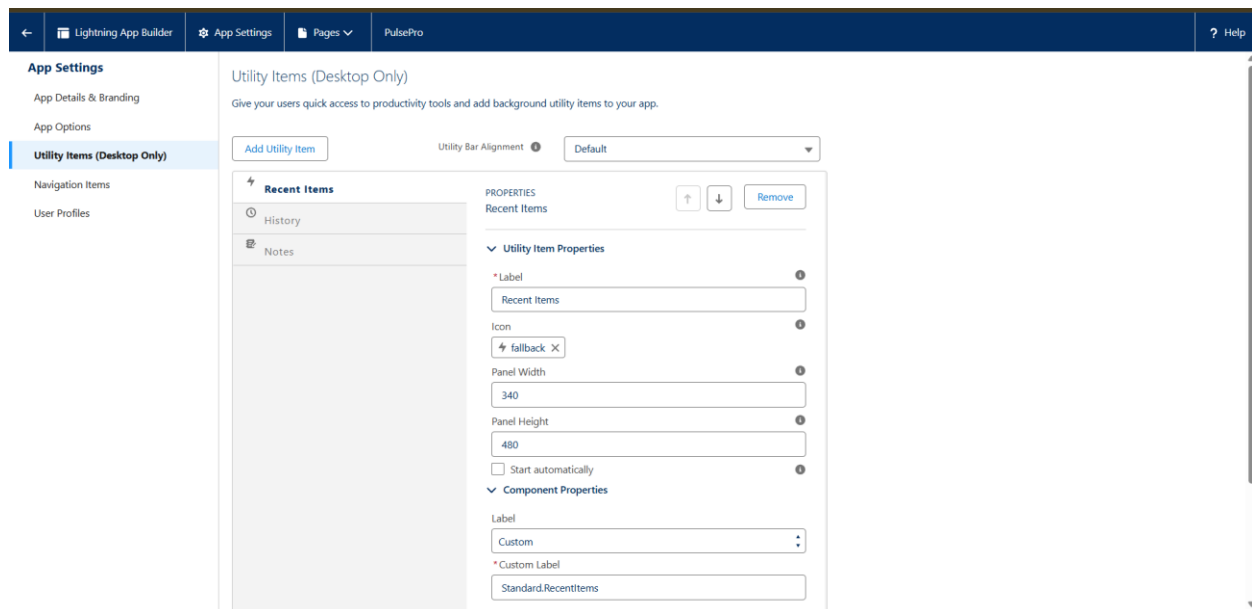
Home Page Layouts

A custom **Home Page** was created for the PulsePro app using the Lightning App Builder. Components included **Recent Patients, Upcoming Appointments, and Today's Tasks/Events** to provide users with a quick overview of their daily responsibilities and patient management activities. The Home Page was activated and assigned to the relevant user profiles, ensuring that Doctors, Managers, and Receptionists can access it immediately upon login.



Utility Bar

The **Utility Bar** in the PulsePro app can provide quick access to frequently used tools such as notes, recent records, or custom components. For the hospital appointment and patient management application, the default utility features were used to maintain simplicity and focus on essential patient and appointment workflows.



Lightning Web Components (LWC)

Lightning Web Components enable building modern, dynamic, and reusable components in Salesforce. In this project, the standard page layouts and components provided sufficient functionality for displaying patient information, appointments, and related records, so custom LWCs were not implemented to keep the application straightforward and maintainable.

Apex with LWC

Apex methods can be called from LWCs to retrieve or manipulate Salesforce data programmatically. Since the project requirements were satisfied using standard record pages, flows, and automation, there was no need to create custom Apex-integrated LWC.

Events in LWC

LWC events allow components to communicate with each other. For this project, the standard record pages and related lists provided the necessary data interactions, so custom event handling between LWCs was not implemented.

Wire Adapters

Wire adapters are used in LWCs to read Salesforce data reactively. Given that the application relies on standard record pages, flows, and dashboards for displaying data, wire adapters were not necessary for this implementation.

Imperative Apex Calls

Imperative Apex calls allow LWCs to call Apex methods on demand rather than reactively. Since custom LWCs were not developed, imperative calls were not required in the project.

Navigation Service

The Navigation Service provides programmatic navigation between pages in Salesforce. For PulsePro, standard tab navigation and record page links meet the project requirements, so programmatic navigation was not required.