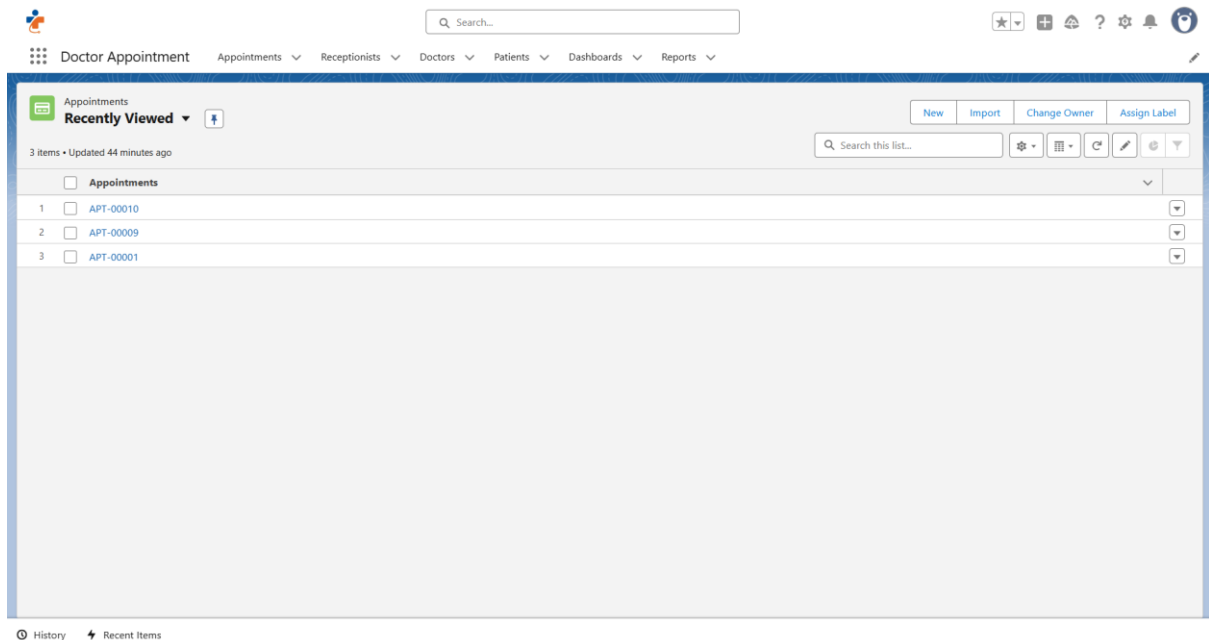


# Phase 6: User Interface Development

## 1. Lightning App Builder

- Used to **create custom Lightning apps** for the hospital.
  - **App Name:** SmartCare Healthcare CRM
  - **Apps Components:**
    - Tabs for **Patients, Doctors, Appointments, Dashboard, Reports.**
    - Custom branding and app icon
  - **Purpose:** Centralized access point for all user roles



## 2. Record Pages

- Customized **Lightning Record Pages** for each object:
  - **Patient Record Page:** Shows personal info, appointments, prescriptions

- **Doctor Record Page:** Shows assigned patients, appointments, schedules

- **Doctor Record Page:** Shows assigned patients, appointments, schedules

- **Appointment Record Page:** Shows patient, doctor, status.

The screenshot shows the 'Appointment Record' page for appointment APT-00010. The page header includes a search bar and navigation links. The main content area is divided into three sections:

- Appointment Summary:** Displays key information for APT-00010: Appointment Date & Time (9/29/2025, 12:00 PM), Patient Name (Test\_Patient), Doctor Name (Test Doctor2), and Status (Requested). Buttons for 'Edit' and 'Delete' are present.
- Standard.RecentItems (3):** A list of recent appointments:
  - 9/29/2025, 12:00 PM: Doctor Test Doctor2, Patient Test\_Patient, Status Requested, Duration 15.
  - 9/30/2025, 12:00 PM: Doctor utkarsh shirbhate, Patient nil, Status Confirmed, Duration 30.
  - 9/16/2025, 6:00 PM: Doctor Test Doctor, Patient PAT-0001, Status Requested, Duration 30.
- Appointment Details:** A form for editing the appointment details, including fields for Appointment Date & Time, Duration, Status, Doctor, Booking Source, Mobile App, Patient, Receptionist, and Reminder Sent. The Owner is Atharva Gulhane.

At the bottom, there are links for 'History' and 'Recent Items'.

- **Receptionist Record Page:** Shows Doctor, Status, Email, Phone

The screenshot shows the 'Receptionist Record' page for Test\_receptionist. The page header includes a search bar and navigation links. The main content area is divided into three sections:

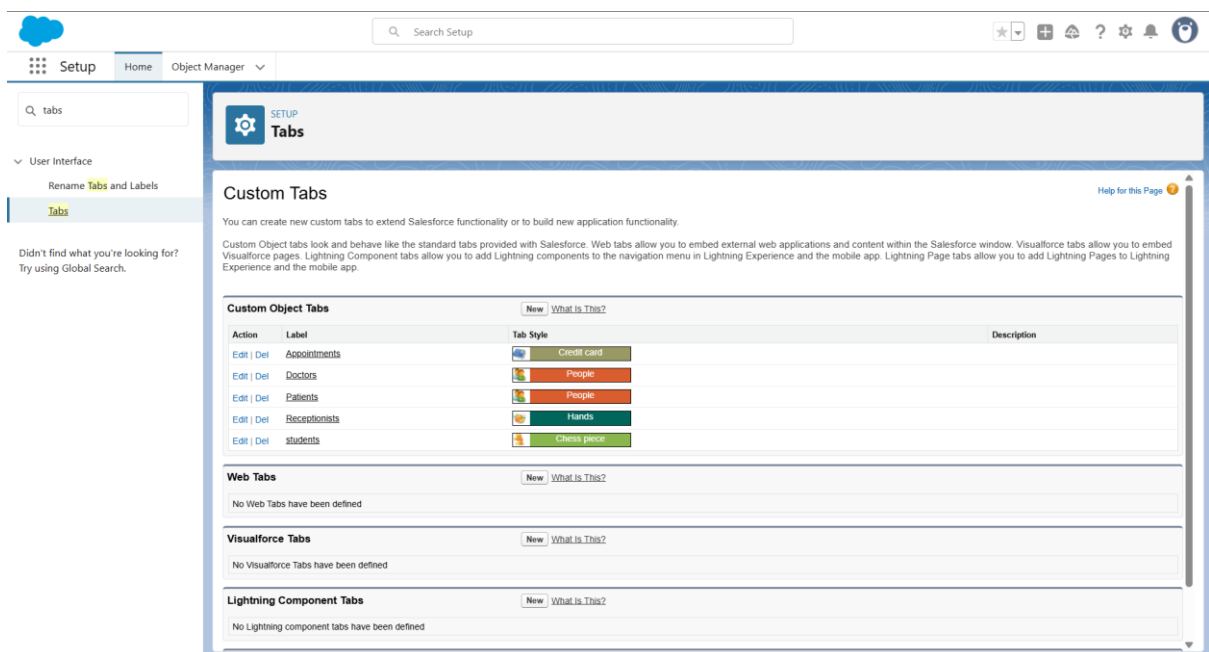
- Receptionist Summary:** Displays key information for Test\_receptionist: Employee ID (123), Doctor (Dr. Arjun Mehta), Status (Active), Email (receptionist@gmail.com), and Phone ((987) 654-3102). Buttons for 'New Contact', 'Edit', and 'New Opportunity' are present.
- Notes & Attachments (0):** A section for notes and attachments, with an 'Upload Files' button and a note to 'Or drop files'.
- Appointments (0):** A section for appointments, currently empty.
- Receptionist Details:** A form for editing the receptionist details, including fields for Receptionist Name, Employee ID, Status, Doctor, Contact Information (Email, Phone), and Work Details (Experience, Created By, Last Modified By). The Owner is Atharva Gulhane.

At the bottom, there are links for 'History' and 'Recent Items'.

- **Dynamic Components:** Display different sections based on user role (Doctor, Receptionist, Admin)

### 3. Tabs

- Custom Tabs created for:
  - **Patients**
  - **Doctors**
  - **Appointments**
  - **Prescriptions**
  - **Dashboard & Reports**
- **Role-based visibility:** Receptionist sees only Patients & Appointments;  
Doctor sees only their appointments and prescriptions



### 7. Lightning Web Components (LWC)

- Used for **custom UI functionality** not available via standard components.
- Examples in the project:
  - **Appointment Booking Wizard** (Screen Flow embedded in LWC)
  - **Prescription Entry Form**
  - **Patient Quick Search & Filter**

## 8. Apex with LWC

- Custom Apex classes used to fetch or update complex records in LWC.
- Example:
  - Fetch **doctor availability** for selected date/time
  - Create **appointment record** and link to patient & doctor
  - Update **prescription details**

## 9. Events in LWC

- **Custom Events:** For communication between parent and child components
  - Example: Selecting a patient in search component updates appointment booking form
- **Standard Events:** Record edit/save, toast notifications