

MediConnect — Phase 6: Apex Programming

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Required for MediConnect


1. **Lightning App Builder** – To create custom apps or pages for appointments, patients, and billing.
2. **Record Pages** – Customize how Appointment__c, Patient__c, and Billing__c records are displayed.
3. **Tabs** – Add tabs for easy navigation between Patients, Appointments, and Billing.
4. **Home Page Layouts / Utility Bar** – Optional but helpful for quick access to common components (like creating new appointments).
5. **LWC (Lightning Web Components)** – For custom UI, e.g., appointment creation forms, patient details display, billing summary.
6. **Events in LWC** – If multiple components communicate (e.g., selecting a patient updates appointment component).
7. **Wire Adapters / Imperative Apex Calls** – Required to connect LWC with Salesforce data efficiently.

Lightning App Builder

Description :

Used to **create custom apps and pages** in Salesforce for MediConnect.

- Allows you to **drag and drop components** like Appointment List, Patient Info, and Billing Summary.
- Supports **Lightning Pages customization** for desktop and mobile users.

 **SETUP**
Lightning App Builder

The Lightning App Builder provides an easy to use graphical interface for creating custom Lightning pages for Salesforce Lightning Experience and mobile app. Lightning pages are built using Lightning components—compact, configurable, and reusable elements that you can drag and drop into regions of the page in the Lightning App Builder.

View: All [Create New View](#)

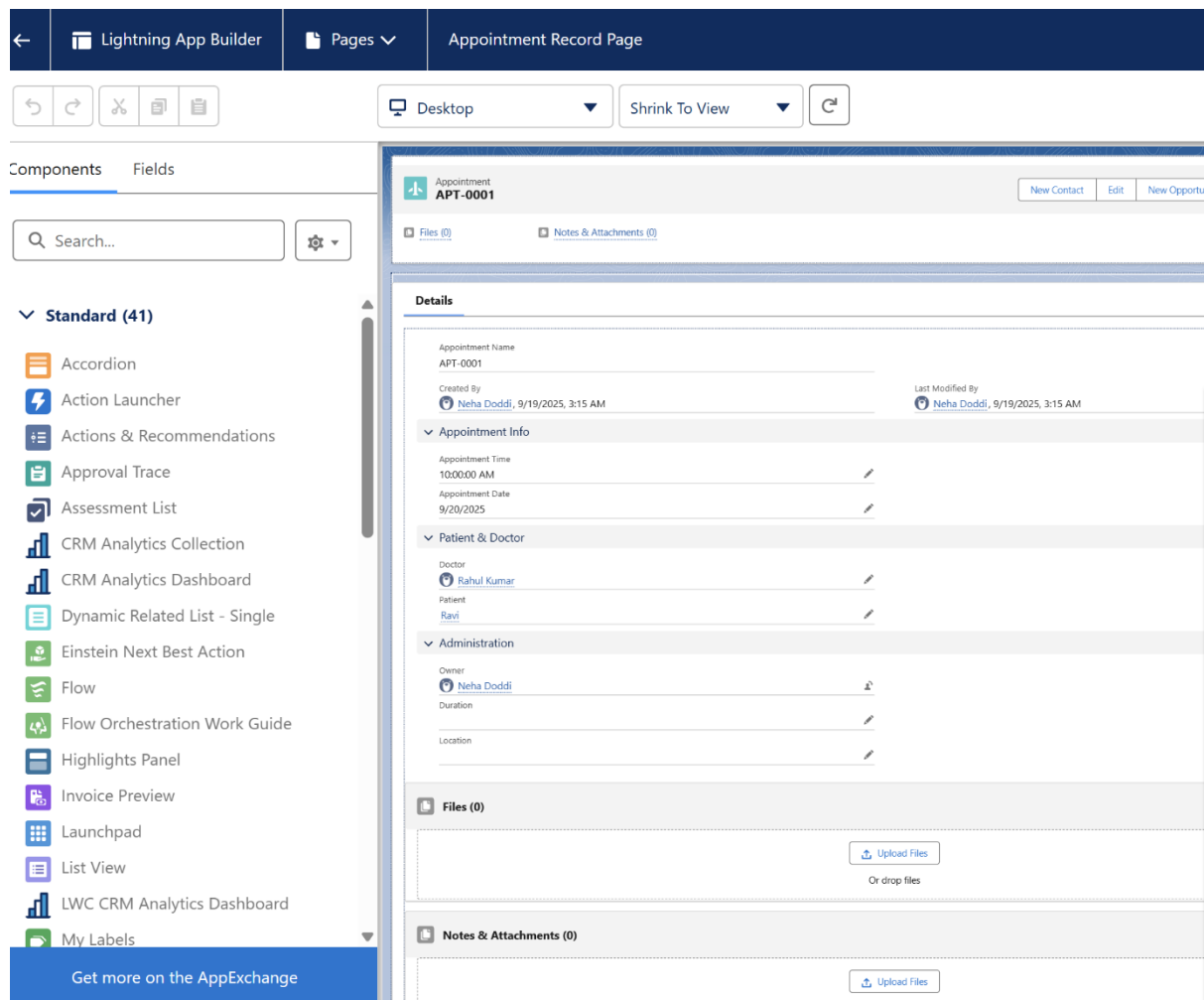
A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Other | **All**

Lightning Pages New

Action	Label ↑	Name	Namespace Prefix	Description	Type	Created By	Last Modified By
Edit Clone Del	Appointment Record Page	Appointment_Record_Page			Record Page	neh. 9/26/2025, 12:10 PM	neh. 9/27/2025, 11:32 AM
Edit Clone Del	Billing Record Page	Billing_Record_Page			Record Page	neh. 9/27/2025, 11:43 AM	neh. 9/27/2025, 11:43 AM
Edit Clone Del	Patient Record Page	Patient_Record_Page			Record Page	neh. 9/27/2025, 11:41 AM	neh. 9/27/2025, 11:41 AM

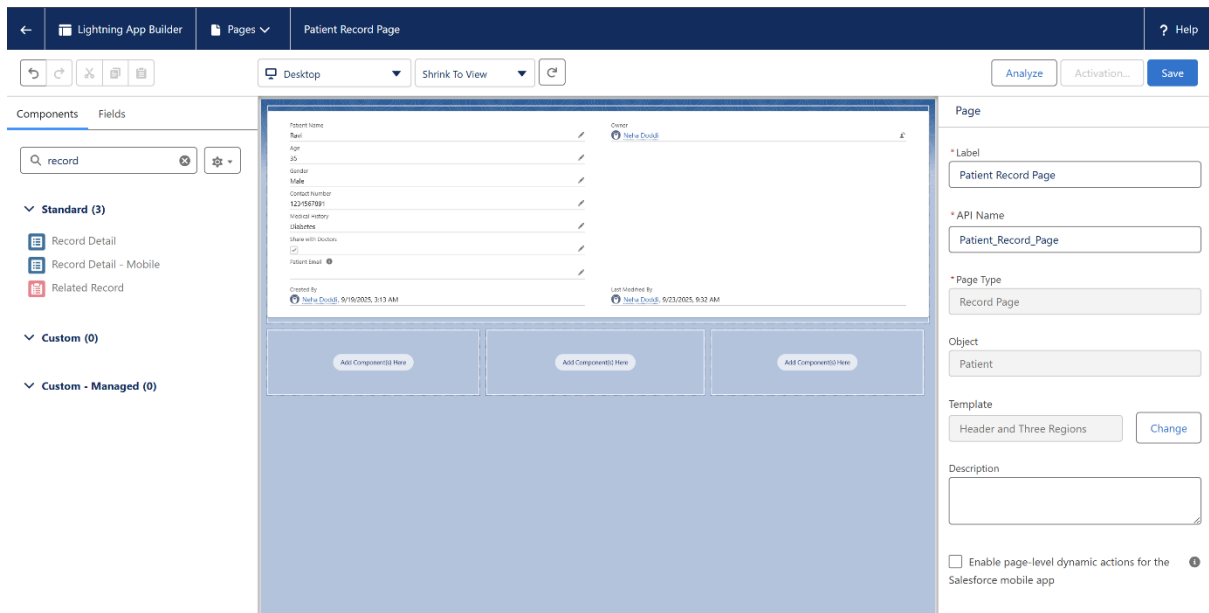
Record Pages – Appointment__c

- Customizes the layout of the **Appointment__c** record page.
- Lets you place **related lists, Lightning components, or custom LWCs** for better usability.
- Improves the user experience by displaying only **important fields like Patient, Doctor, Date, and Time.**



Record Pages – Patient__c

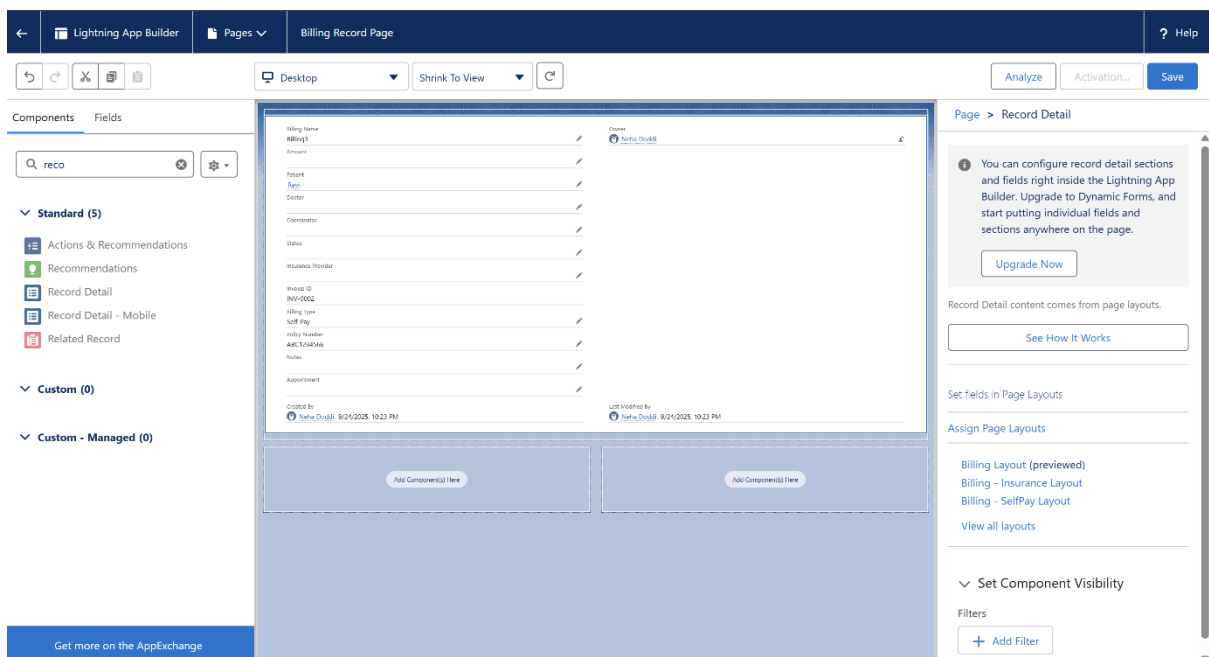
- Customizes the layout of the **Patient__c** record page.
- Displays key fields like **Patient Name, Age, Gender, Contact Number, and Email.**
- Allows placement of related lists (Appointments, Billings) and Lightning Components for patient overview.



Record Pages – Billing__c

Description


- Customizes the **Billing__c** record page for managing billing records.
- Highlights important fields like **Amount, Billing Type, Insurance Provider, Appointment, Patient.**
- Supports related lists for easy navigation to related Appointments and Patients.



Tabs

Description










- Creates **navigation tabs** for quick access to Patients, Appointments, and Billing.
- Supports **custom apps** in Salesforce to organize objects logically.
- Improves **usability** by grouping frequently used objects for MediConnect users.

 **SETUP**
Tabs

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

Custom Object Tabs [New](#) [What Is This?](#)

Action	Label	Tab Style	Description
Edit Del	Appointments	 Airplane	
Edit Del	Billings	 Compass	
Edit Del	Doctor-Patient Assignments	 Chalkboard	Tab to manage assignments linking Patients with Doctors, supporting many-to-many relationships in MediConnect.
Edit Del	Error logs	 Bottle	
Edit Del	Medical Cases	 IP Phone	
Edit Del	Mentors	 Books	
Edit Del	Patients	 Star	
Edit Del	Students	 Desk	
Edit Del	Video Consultations	 Postage	

Home Page Layouts

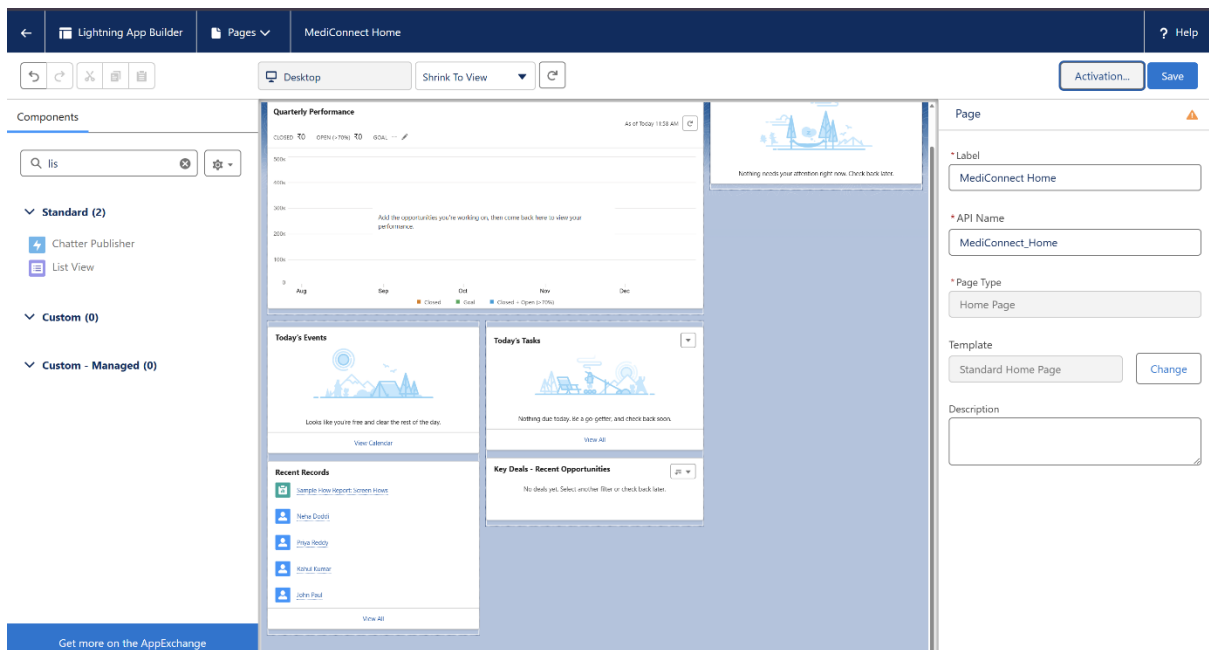
Description

- Used to design the **Home Page** for MediConnect users.

- Can show dashboards, reports, appointments summary, and quick links.
- Improves efficiency by giving doctors/admins an overview at login.

Navigation to create:

1. Go to **Setup** → Quick Find → **Lightning App Builder**.
2. Click **New** → Select **Home Page** → Next.
3. Choose a **template** (e.g., Standard Home Page template) → Label it as *MediConnect Home*.
4. Add components like **Report Chart**, **List View**, or custom LWCs.
5. Save & Activate → Assign to Org / App / Profile.



Utility Bar

Description

Utility Bar adds tools at the bottom of the screen for quick access.

- Can include **Notes**, **Recent Items**, **Omni-Channel**, or **Appointment Search**.
- Provides shortcuts without leaving the current page.

Navigation to create:

1. Go to **Setup** → Quick Find → **App Manager**.
2. Find your custom **MediConnect App** → Click **Edit**.
3. In **App Settings**, select **Utility Items (Desktop Only)**.
4. Add utilities like **Recent Items**, **Notes**, or **Custom LWC**.

←

Lightning App Builder

App Settings

Pages ▾

TCS_LM_SF

App Settings

App Details & Branding

App Options

Utility Items (Desktop Only)

Navigation Items

User Profiles

Utility Items (Desktop Only)

Give your users quick access to productivity tools and add background utility items to your app.

Add Utility Item

Utility Bar Alignment ⓘ

Default ▾

⚡ Recent Items

PROPERTIES

Recent Items

↑

↓

Remove

Utility Item Properties

*Label ⓘ

Recent Items

Icon ⓘ

⚡ fallback ×

Panel Width ⓘ

340

Panel Height ⓘ

480

☐ Start automatically ⓘ

Component Properties

Label

Custom ▾

* Custom Label

Cancel

Save

LWC (Lightning Web Components)

Description

- Modern UI components built using JavaScript, HTML, and Apex backend.
- Used in MediConnect for custom views like **Patient Info Card** or **Appointment List**.
- Highly reusable, fast, and mobile-friendly.

Navigation :

1. Go to **VS Code** → **Create LWC** → **Deploy to Org**.
2. In Salesforce, open **Lightning App Builder**.
3. Drag your **custom LWC component** onto a Record Page or Home Page.

Components

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pati

✕

⚙

▼ Standard (0)

▼ Custom (1)

f

patientInfoCard

▼ Custom - Managed (0)

