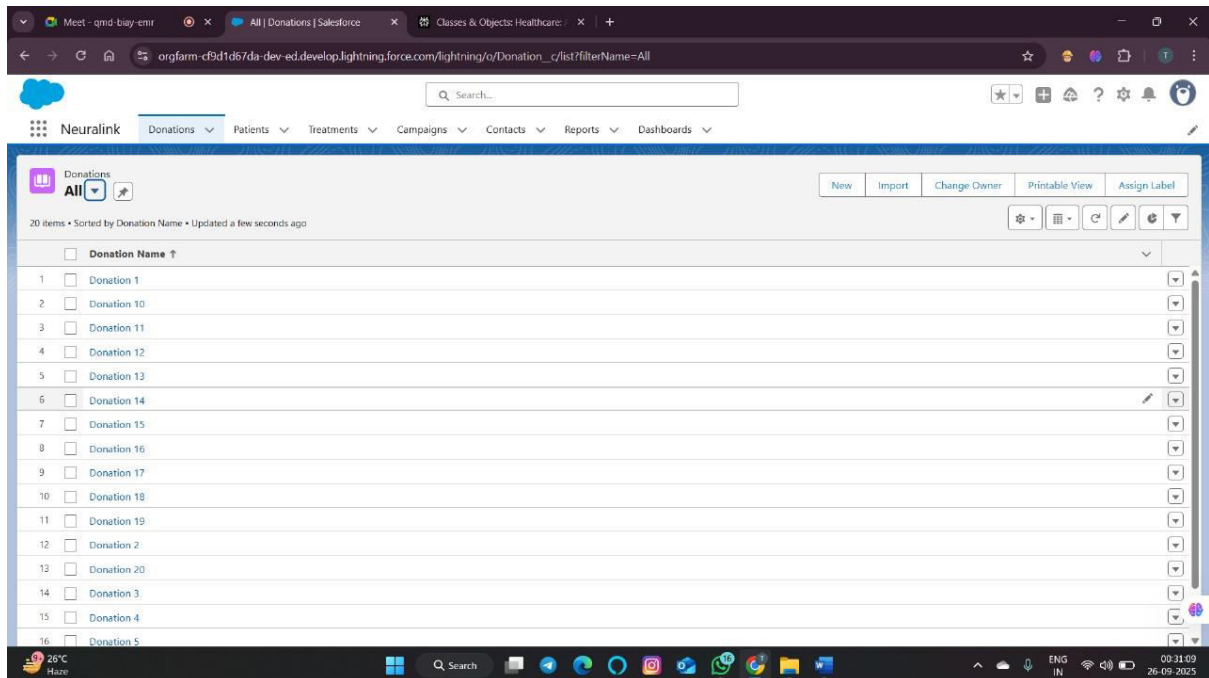


## Phase 6: User Interface Development

### Lightning App Builder:

Healthcare: Build custom apps for patient management dashboards, combining charts, lists, and components.

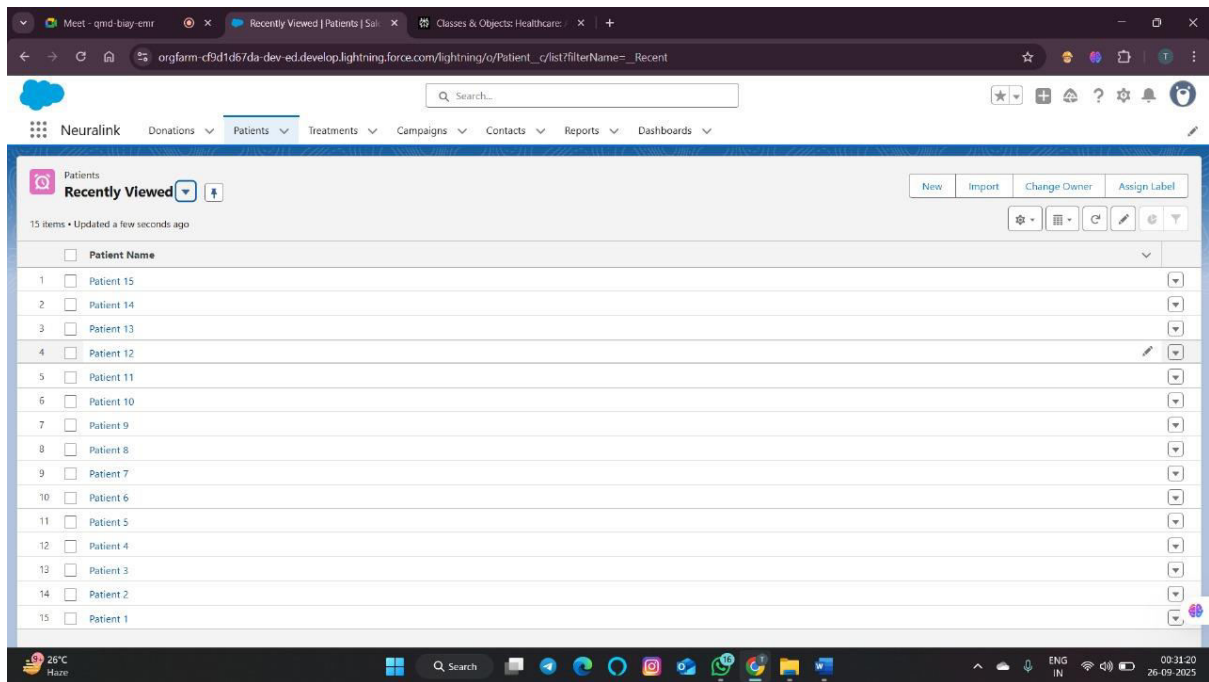
Donation: Create fundraising apps displaying donor trends and campaign performance. App Builder lets admins configure drag-and-drop pages without coding.



### Record Pages:

Healthcare: Customize patient record pages with related appointments, lab results, and doctor notes.

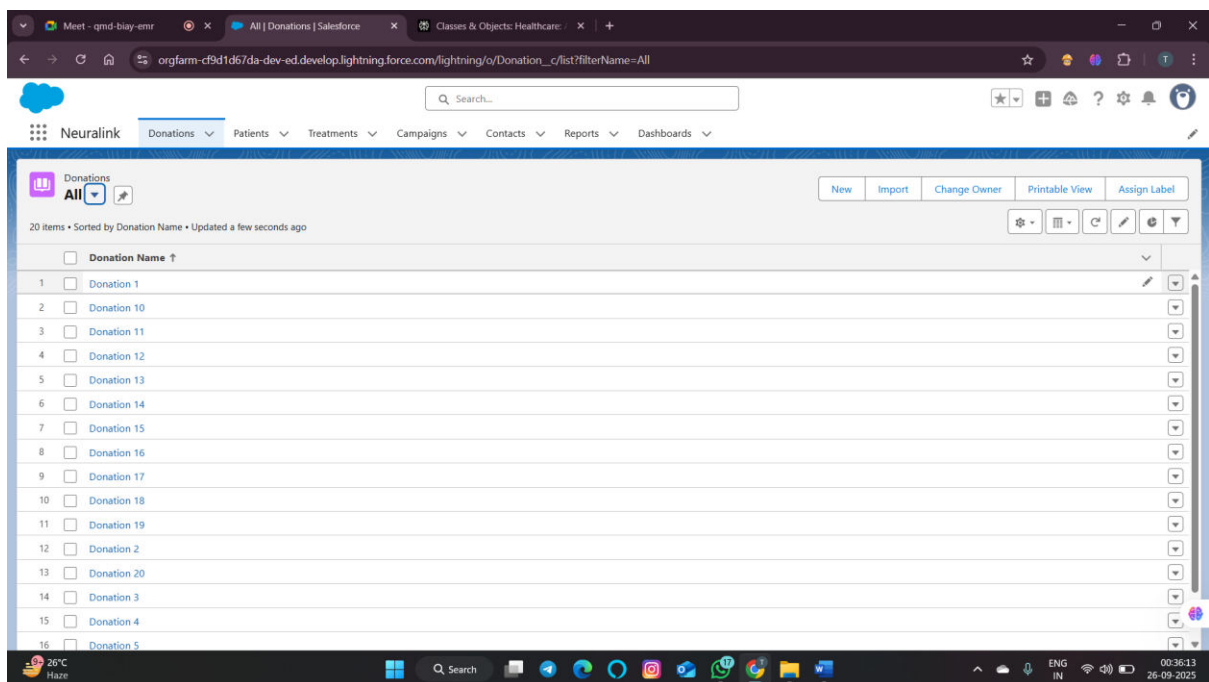
Donation: Display donor profiles with pledge history, related campaigns, and contact info. Record pages provide role-specific data visibility.



## Tabs:

Healthcare: Add custom tabs for prescriptions, lab results, or appointments.

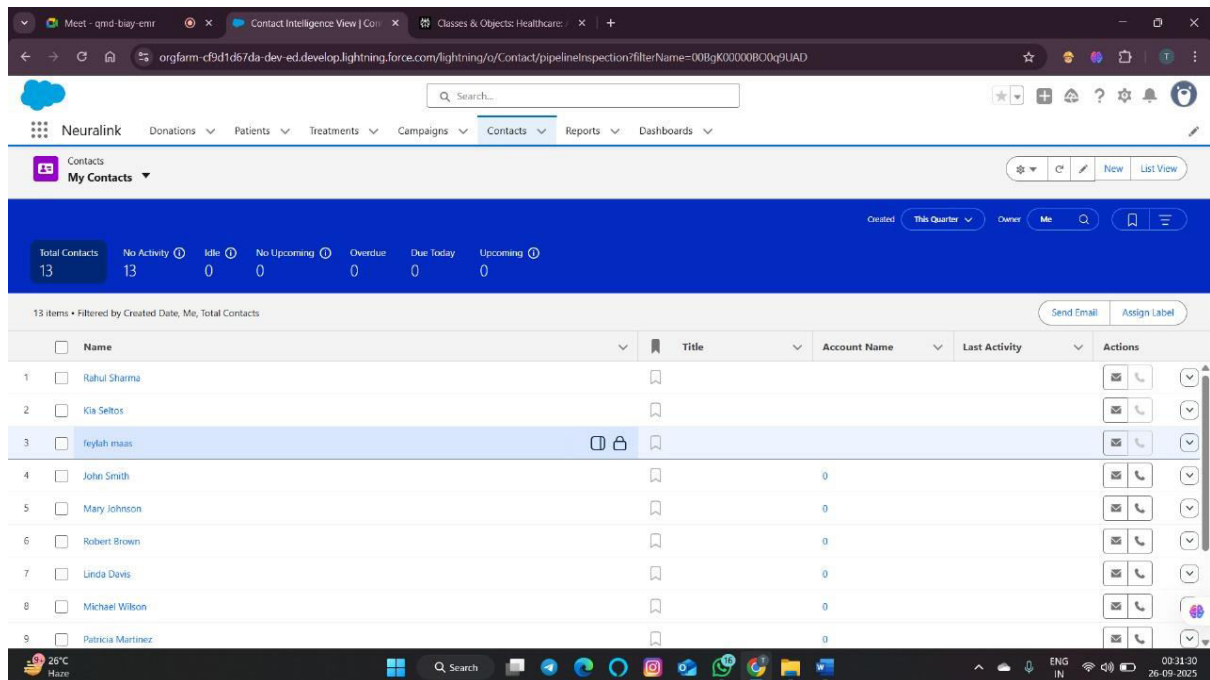
Donation: Tabs organize campaigns, donations, and volunteers. Tabs make navigation easy, ensuring users quickly access relevant records.



## Home Page Layouts:

Healthcare: Show doctors dashboards with upcoming appointments, urgent alerts, and KPIs.

Donation: Display fundraiser metrics, donor engagement charts, and active campaigns. Home layouts deliver personalized, actionable insights at login.



## Utility Bar:

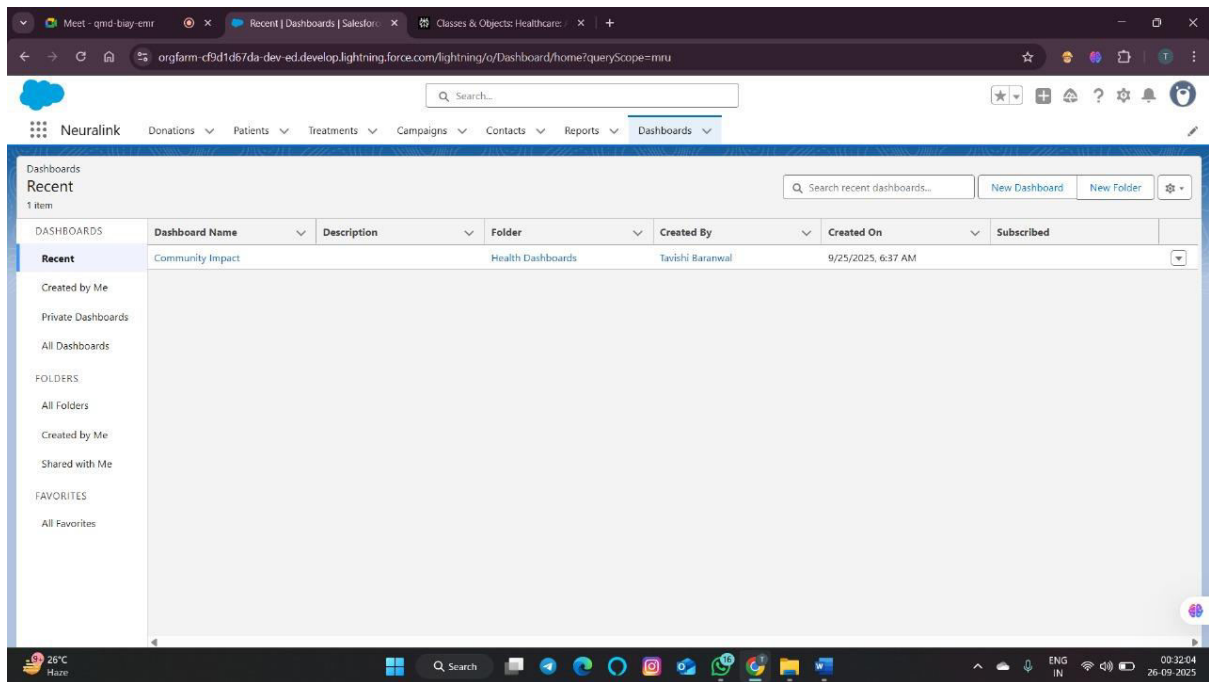
Healthcare: Add quick access to patient search, chat, or case logging.

Donation: Include shortcuts for donor lookup, campaign status, and notes. The utility bar provides persistent tools across the app.

## LWC (Lightning Web Components):

Healthcare: Create reusable components for live patient monitoring or appointment booking.

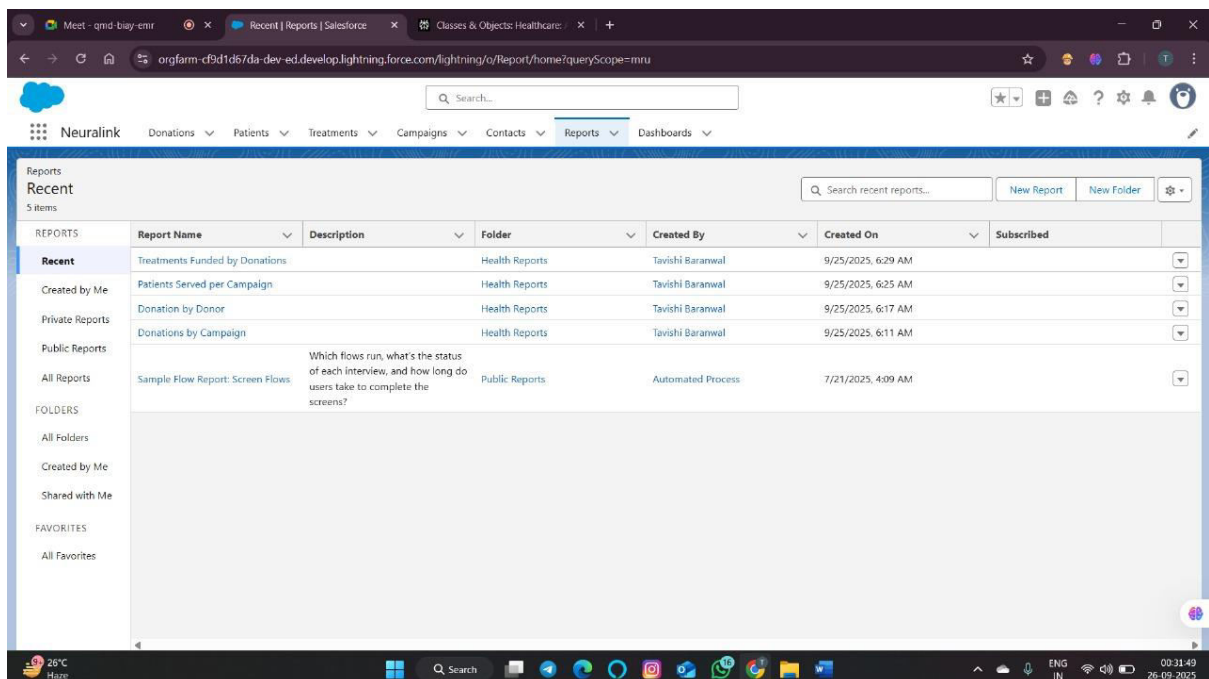
Donation: Build donor pledge calculators or event signup widgets. LWCs deliver modern, responsive UI with faster performance.



## Apex with LWC:

Healthcare: Use Apex to fetch patient history or update treatment plans securely.

Donation: Call Apex to process bulk donations or generate reports. Apex integrates server-side logic with LWC for dynamic, data-driven experiences.



## Events in LWC:

Healthcare: Trigger events when updating vitals so related components refresh instantly.

Donation: Fire events when pledges are added to update donor totals. Events enable communication between LWC components for seamless interactivity.

### **Wire Adapters:**

Healthcare: Wire Apex or Salesforce data to show real-time patient records.

Donation: Use wire adapters to display live donor contributions or campaign stats. They provide reactive, automatic data binding without imperative calls.

### **Imperative Apex Calls:**

Healthcare: Fetch filtered patient records on button click for doctors.

Donation: Execute donor segmentation logic on demand. Imperative calls give more control than wire adapters, allowing custom actions and error handling.