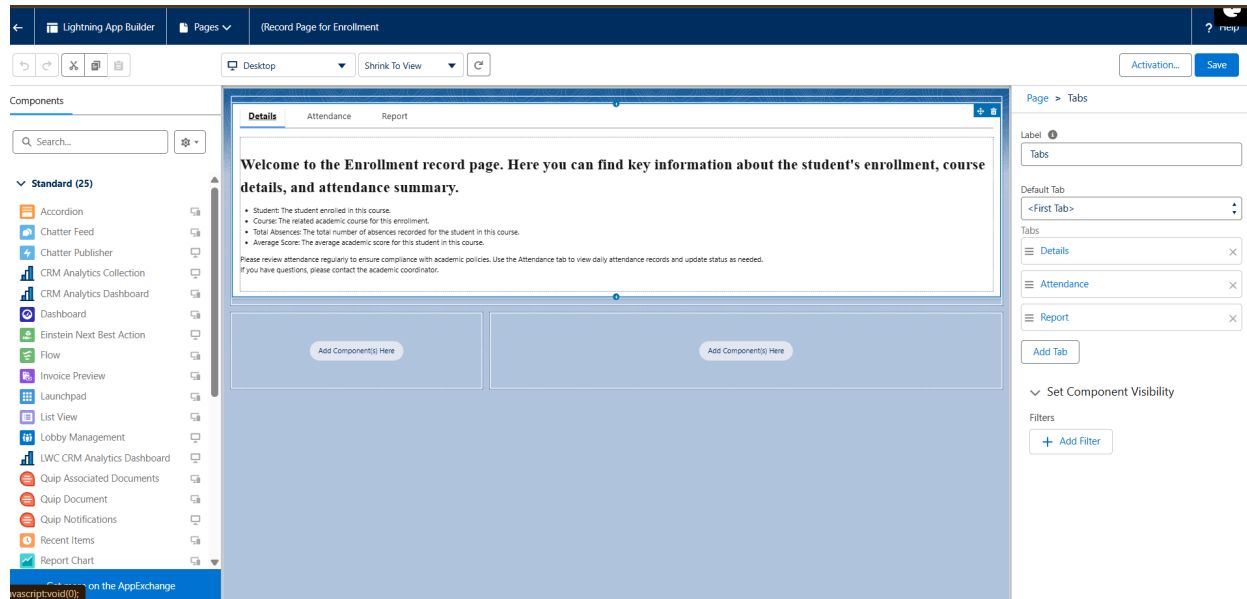


## Phase 6: User Interface Development

- Lightning App Builder

Customized Salesforce pages using declarative, point-and-click tools to design dynamic, responsive interfaces, enhancing user experience on desktop and mobile.




- Record Pages

Tailored record pages for Enrollment, Attendance, and Student objects presenting relevant information, related lists, and actions optimized for end-user workflow.

- Tabs

Implemented tab-based navigation on record pages to logically separate Enrollment Details, Attendance Records, Reports, and Notes for clarity and ease of access.

[Page](#) > [Tabs](#)

Label 

Tabs

Default Tab

<First Tab>

▲▼

Tabs

≡

Details

×

≡

Attendance

×

≡

Report

×

Add Tab

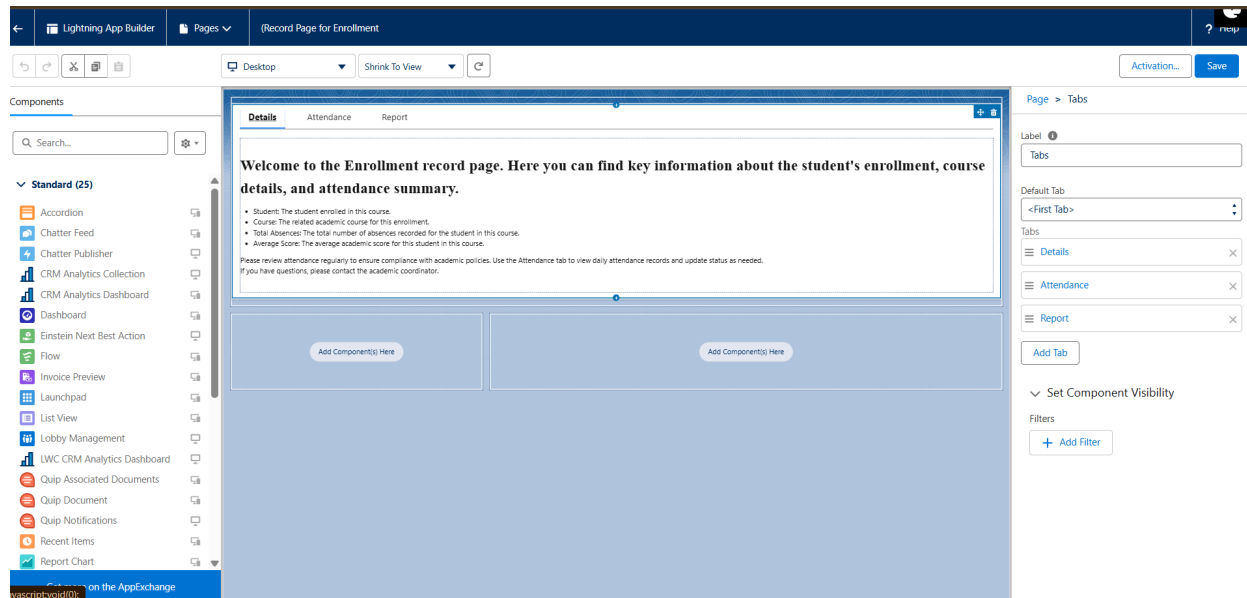
▼ Set Component Visibility

Filters

+ Add Filter

- Home Page Layouts

Built customized Home pages displaying dashboards and reports to provide users with a quick overview of attendance statistics and enrollment statuses.



- **Utility Bar**

Integrated utility bar items allowing users to quickly access attendance marking forms, reports, recent records, and other productivity tools throughout the app.

- **LWC (Lightning Web Components)**

Developed custom interactive components to enhance user interaction including attendance input forms, real-time data visualization charts, and notification components.

- **Apex with LWC**

Created Apex backend classes enabling complex business logic, data manipulation, and seamless server-side integration with LWCs via `@AuraEnabled` methods.

- **Events in LWC**

Implemented event-driven communication between LWCs for dynamic UI updates and cross-component synchronization without page reloads.

- **Wire Adapters**

Utilized Salesforce wire adapters to streamline reactive data fetching in LWCs, ensuring efficient, context-aware data loading bound to Salesforce database updates.

- **Imperative Apex Calls**

Leveraged imperative Apex method calls in LWCs for user-triggered operations requiring immediate backend processing and state changes.

- **Navigation Service**

Employed NavigationMixin in LWCs to enable programmatic page navigation, record linking, and user journey streamlining within the Salesforce Lightning Experience.