

Phase 6: User Interface Development

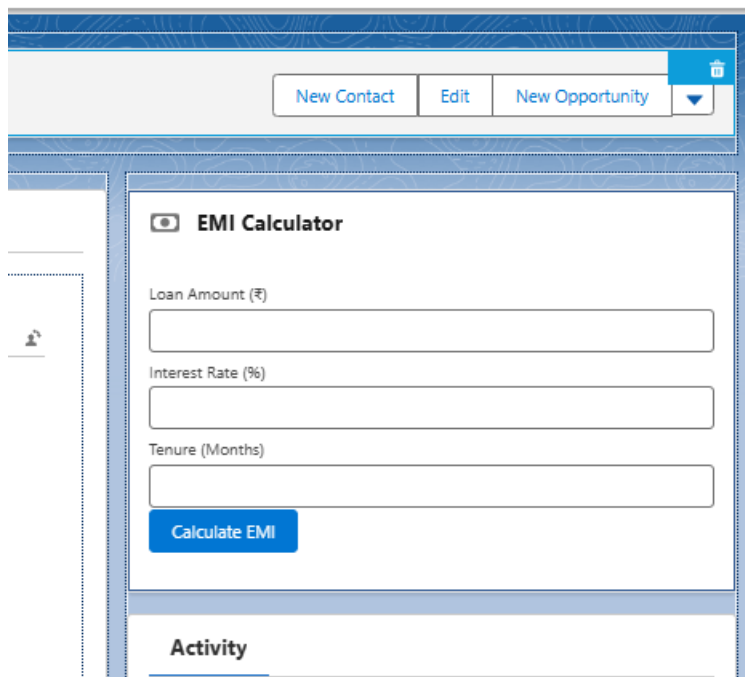
□ 1. Lightning App Builder

◆ Use Case:

The **Loan Origination App** was designed using **Lightning App Builder** to provide a unified interface for Loan Officers and Managers. It combines components like record details, related lists, dashboards, and the EMI Calculator (LWC).

Steps:

- Setup → App Manager → **New Lightning App**
- Name: *Loan Origination App*
- Navigation: Standard Navigation
- Add Items: Loan Applications, EMI Details, Reports, Dashboards



The screenshot displays the user interface of the Loan Origination App. At the top, there is a navigation bar with buttons for 'New Contact', 'Edit', 'New Opportunity', and a dropdown menu. Below this, the main content area features a component titled 'EMI Calculator'. This component includes three input fields: 'Loan Amount (₹)', 'Interest Rate (%)', and 'Tenure (Months)'. A blue 'Calculate EMI' button is positioned below these fields. At the bottom of the interface, there is a section labeled 'Activity'.

2. Tabs

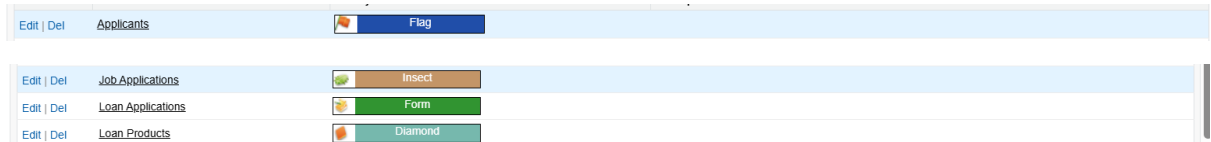
◆ Use Case:

Custom **Tabs** were created for easy navigation within the app:

- Loan Applications
- EMI Details
- Reports & Dashboards

Steps:

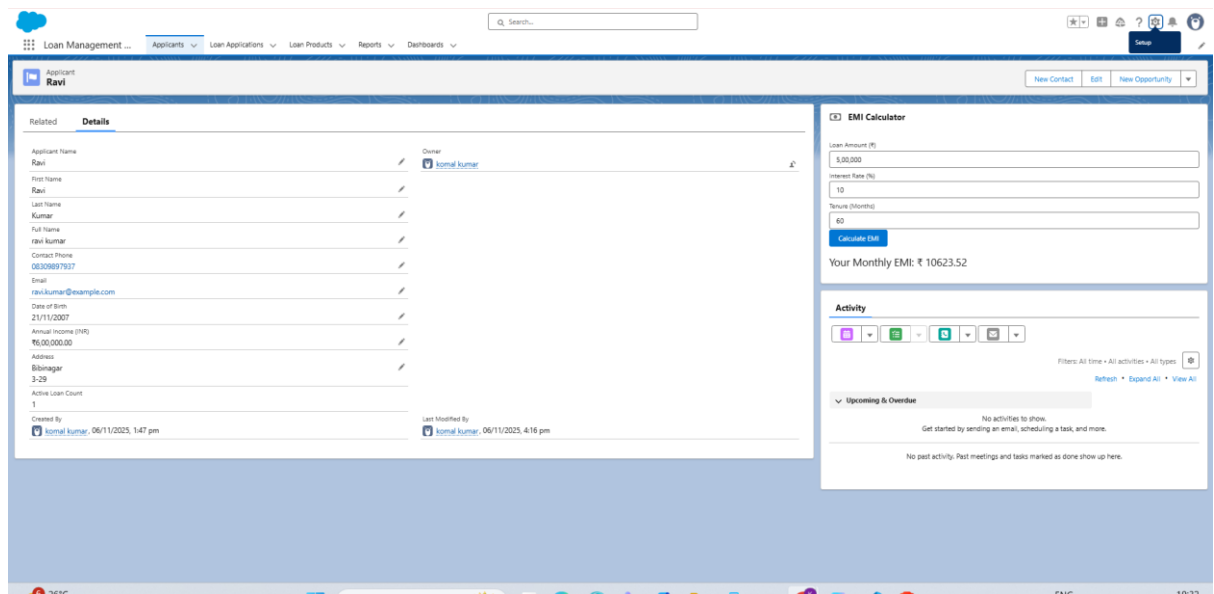
- Setup → Tabs → New → Custom Object Tab → *Loan_Application__c*
- Assign to profiles for visibility.



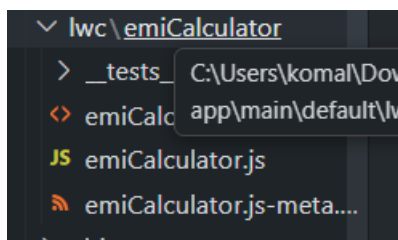
3. Home Page Layout

The **Home Page** was customized using **Lightning App Builder** to give users a quick view of:

- Recent Loan Applications
- Pending Approvals
- A mini-dashboard component



4. LWC (Lightning Web Component)



```

1  C:\Users\koma\Downloads\loanmanagementproject\loanmanagementproject\force-
2  app\main\default\lwc\emiCalculator\emiCalculator.html
3  <lightning-card title="EMI Calculator" icon-name="utility:currency">
4    <div class=""">
5      <lightning-input type="number" label="Loan Amount (₹)" value={loanAmount} onchange={handleAmount}></lightning-input>
6      <lightning-input type="number" label="Interest Rate (%)" value={interestRate} onchange={handleRate}></lightning-input>
7      <lightning-input type="number" label="Tenure (Months)" value={tenure} onchange={handleTenure}></lightning-input>
8
9      <lightning-button label="Calculate EMI" variant="brand" onclick={calculateEMI} class="""></lightning-button>
10
11      <template if:true={emi}>
12        <p class=""">
13          Your Monthly EMI: ₹ {emi}
14        </p>
15      </template>
16    </div>
17  </lightning-card>
18 </template>

```

Phase 6 Summary

Concept	Implementation	Outcome
Lightning App Builder	Designed Loan Origination App	Centralized user interface
Record Pages	Custom Loan Application Record Page	Displayed loan details & EMI
Tabs & Home Page	Organized navigation	Easy access for users
Utility Bar	Quick access tools	Boosted productivity
LWC	EMI Calculator	Interactive UI for EMI
Apex + LWC	Server-side calculation	Accurate EMI results
Events & Wire	Dynamic data & interaction	Responsive UI
Navigation Service	Smooth page flow	Better user experience

Phase 6 successfully built a **modern, interactive, and dynamic user interface** for the Loan Origination System using **Lightning App Builder** and **LWC**. Users can easily navigate, calculate EMIs, and manage loan records — all from a single unified Lightning experience.