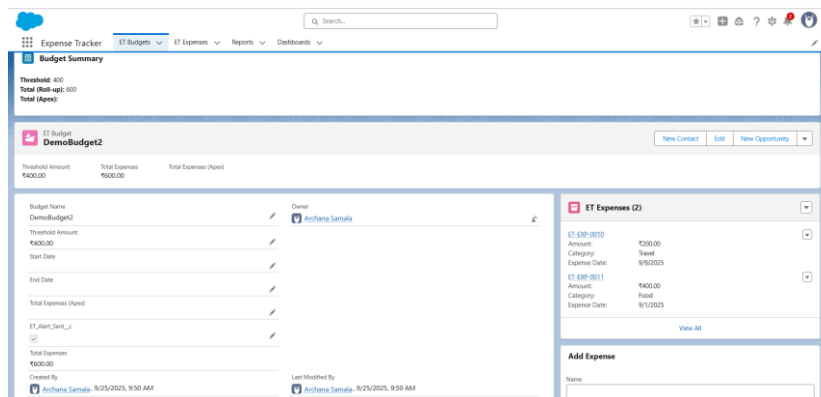# PHASE – 6 User Interface Development

The main goal of Phase 6 is to build a user-friendly interface for the Expense Tracker application using Salesforce Lightning components.
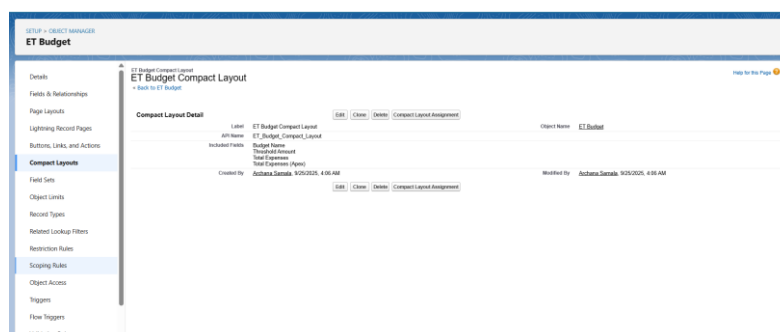
1. Lightning App Builder and Tabs

- First, a new Lightning App named Expense Tracker was created using the App Manager.

- Standard navigation style was selected, and tabs for ET Budget and ET Expense were added.

- The app was assigned to relevant profiles, including System Administrator, ET_Manager_Profile, and ET_Employee_Profile.

2. Lightning Record Pages

- Template used: Header and Tabs.
- Added a Highlights Panel to display key fields: Threshold_Amount__c, Total_Expenses__c, and Total_Expenses_Apex__c, Amount__c, Expense_Date__c, Category__c.
- Added Record Details in the Details tab.
- Added Related Lists in the Related tab to display all related Expense records.
- Created and assigned a Compact Layout so the Highlights Panel shows key budget information clearly.

3. Lightning Web Components (LWCs)

Three custom LWCs were created to make the application interactive:
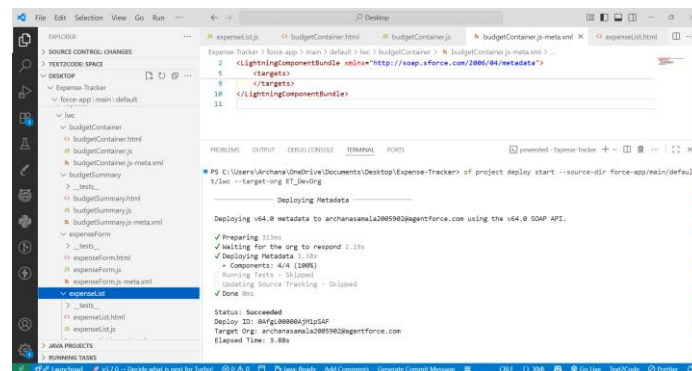
1. budgetSummary

    o Displays the budget's threshold and total expenses.

    o Shows key fields in a Lightning Card for quick visibility.

2. expenseList

   o Displays all expenses related to a budget.

   o Uses the getRelatedListRecords wire adapter.

   o Shows a table with Date, Category, Amount and Name of each expense.

3. expenseForm

   o Allows users to add new expenses under a budget.

   o Dispatches an event after creating a record to allow refreshing of the expense list.

   o Includes input fields for Name, Amount, Date and Category.

4. Deploying LWCs

- All LWCs were saved under force-app/main/default/lwc in VS Code.

- The LWCs were deployed to the Salesforce org using the CLI command:

sf project deploy start --source-dir force-app/main/default/lwc --target-org ET_DevOrg

- After deployment, each component was added to the ET Budget Record Page in App Builder:

  o budgetSummary in the header or right panel.

  o expenseList in the Related tab or main area.

  o expenseForm in a sidebar or utility region.

- Components were tested to ensure they display correct data and allow adding new expenses.