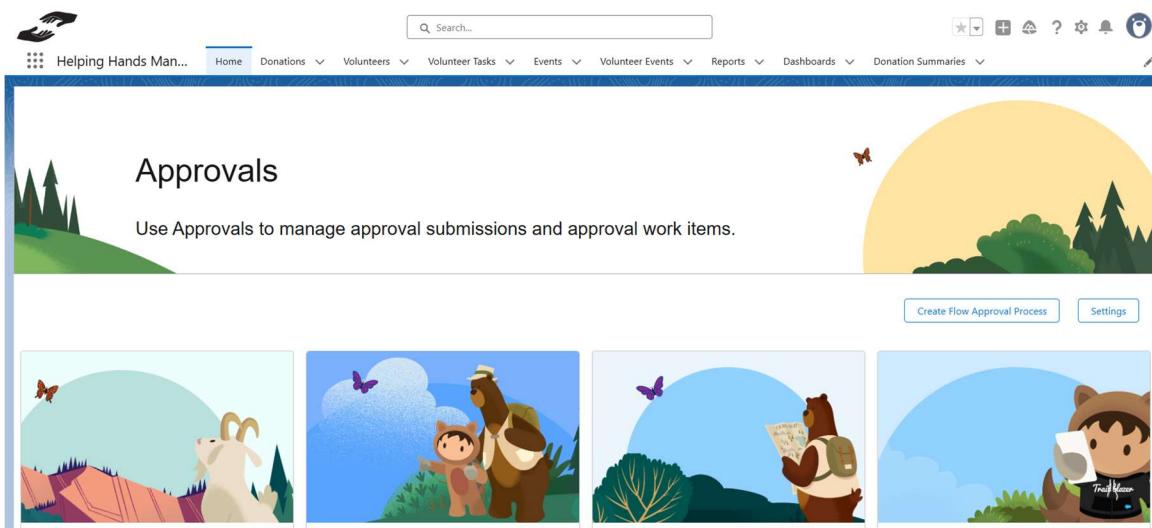


# Phase-6: User Interface Development

In this phase, we will focus on building the User Interface (UI) within the Salesforce platform. The goal is to make it easy for users to view, create, and interact with the Donation Summary and Donor information without using external tools like VS Code. This phase ensures that everything is built directly within Salesforce using Lightning App Builder, Lightning Record Pages, and Custom Tabs.

## Step 1: Open Lightning App Builder

1. Go to **Setup** (gear icon → Setup).
2. In the **Quick Find** box, type **Lightning App Builder**.
3. Click **New**.
4. Choose **App Page** → Next.
5. Name it: Helping Hands Management
6. Select **One Region Layout** (simple layout to start).
7. Click **Finish**.



## Step 2: Add Custom Tabs for Objects

1. Go to **Setup** → **Tabs** (Quick Find → Tabs).
2. Under **Custom Object Tabs** → **New**.
3. Create Tabs for:
  - Donation
  - Volunteer
  - Event
  - Donation Summary

Select a Tab Style (e.g., “Money Bag” for Donation).

4. Save each.

| Custom Object Tabs                         |                           | <a href="#">New</a> <a href="#">What Is This?</a>  |
|--|---------------------------|--|
| Action                                     | Label                     | Tab Style  |
| <a href="#">Edit</a>   <a href="#">Del</a> | <u>Donations</u>          |  Flag           |
| <a href="#">Edit</a>   <a href="#">Del</a> | <u>Donation Summaries</u> |  Laptop         |
| <a href="#">Edit</a>   <a href="#">Del</a> | <u>Events</u>             |  Building Block |
| <a href="#">Edit</a>   <a href="#">Del</a> | <u>Mentors</u>            |  Hexagon        |
| <a href="#">Edit</a>   <a href="#">Del</a> | <u>Students</u>           |  Desk           |
| <a href="#">Edit</a>   <a href="#">Del</a> | <u>Volunteer Events</u>   |  Books          |
| <a href="#">Edit</a>   <a href="#">Del</a> | <u>Volunteers</u>         |  Bell           |
| <a href="#">Edit</a>   <a href="#">Del</a> | <u>Volunteer Tasks</u>    |  Chalkboard     |

Tabs Output:-



## Step 3: Add Record Pages

1. Go to **Object Manager** → **Donation**.
2. Under **Lightning Record Pages** → **New**.
3. Select **Record Page** → Name: **Donation Record Page**.
4. Choose **Header and 2 Columns** layout.
5. Drag **Highlights Panel**, **Related Lists**, and **Details** into the layout.
6. Save & Activate → Assign as **Org Default**.

## Donation Record Page

The screenshot displays the 'Donation Record Page' for a record named 'DON-0018'. The page has a 'Header and 2 Columns' layout. The left column contains a 'Approval History (0)' section. The right column displays the following details:

| Field            | Value  |
|------------------|--|
| Donation ID      | DON-0018                                     |
| Amount           | ₹12,000                                      |
| Donation Date    | 24/09/2025                                   |
| Donor Name       | testc  |
| Donor Email      | testc@gmail.com                              |
| Payment Method   | Cash   |
| Status           | Pledged                                      |
| Linked Volunteer | A-017  |
| Notes            | (empty)                                      |
| Linked Event     | A-0001                                       |
| Created By       | Venkata Likith Sai Kovi, 24/09/2025, 3:04 pm |
| Last Modified By | Venkata Likith Sai Kovi, 24/09/2025, 3:04 pm |

## Volunteer Record Page

**Volunteer**  
A-017

New Contact | Edit | New Opportunity | [View All](#)

**Volunteer Tasks (1)**

| Volunteer Task Name   | Status      | Due Date   | Priority |
|-----------------------|-------------|------------|----------|
| Orientation - aravind | Not Started | 29/09/2025 | High     |

[View All](#)

**Donations (3)**

| Donation ID |
|-------------|
| DON-0011    |
| DON-0014    |
| DON-0018    |

[View All](#)

**Volunteer Events (0)**

Volunteer ID  
A-017

Owner  
[Venkata Likith Sai Kovi](#)

---

Volunteer Name  
aravind

Email  
aravind@gmail.com

Phone Number  
6754475897

Skills  
Fundraising

Availability  
Evenings

Joined Date  
15/09/2025

Status  
Onboarding

Total Hours

Event  
[A-0001](#)

Total Donations

---

Created By  
[Venkata Likith Sai Kovi](#),  
22/09/2025, 9:58 pm

Last Modified By  
[Venkata Likith Sai Kovi](#),  
22/09/2025, 9:58 pm

## Event Record Page

**Event**  
A-0001

New Contact | Edit | New Opportunity | [View All](#)

**Volunteer Tasks (2)**

| Volunteer Task Name   | Volunteer | Status      | Due Date   |
|-----------------------|-----------|-------------|------------|
| Collect Food Packets  | A-001     | In Progress | 30/09/2025 |
| Orientation - aravind | A-017     | Not Started | 29/09/2025 |

[View All](#)

**Volunteer Events (1)**

| Volunteer Event: Volunteer Event Name |
|---------------------------------------|
| VE-0001                               |

[View All](#)

**Donations (6+)**

| Donation ID |
|-------------|
| DON-0003    |
| DON-0001    |
| DON-0002    |
| DON-0004    |
| DON-0006    |
| DON-0007    |

[View All](#)

**Volunteers (1)**

| Volunteer ID |
|--------------|
| A-017        |

[View All](#)

Event ID  
A-0001

Owner  
[Venkata Likith Sai Kovi](#)

---

Event Name  
Food Distribution Camp

Event Date  
21/09/2025

Location  
Gachibowli, Hyderabad

Description  
It is a Food distribution camp where the organic and protein foods are handed over to the poor people and daily wage workers.

---

Created By  
[Venkata Likith Sai Kovi](#),  
19/09/2025, 10:48 pm

Last Modified By  
[Venkata Likith Sai Kovi](#),  
19/09/2025, 10:48 pm

## Step 4: Add Utility Bar (for Quick Access)

1. Go to **App Manager** → **Helping Hands App** → **Edit**.
2. Click **Utility Items** (left panel).
3. Add:
  - **Recent Items**
  - **Notes**
  - **Chatter Feed**

Set **Start Automatically** → **On**.

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**

| Icon         | Name         | Actions          |
|--------------|--------------|------------------|
| Notes        | Recent Items | Up, Down, Remove |
| Chatter Feed |              |                  |

**Utility Item Properties**

\* Label: Recent Items

Icon: fallback X

Panel Width: 340

Panel Height: 480

Start automatically

**Component Properties**

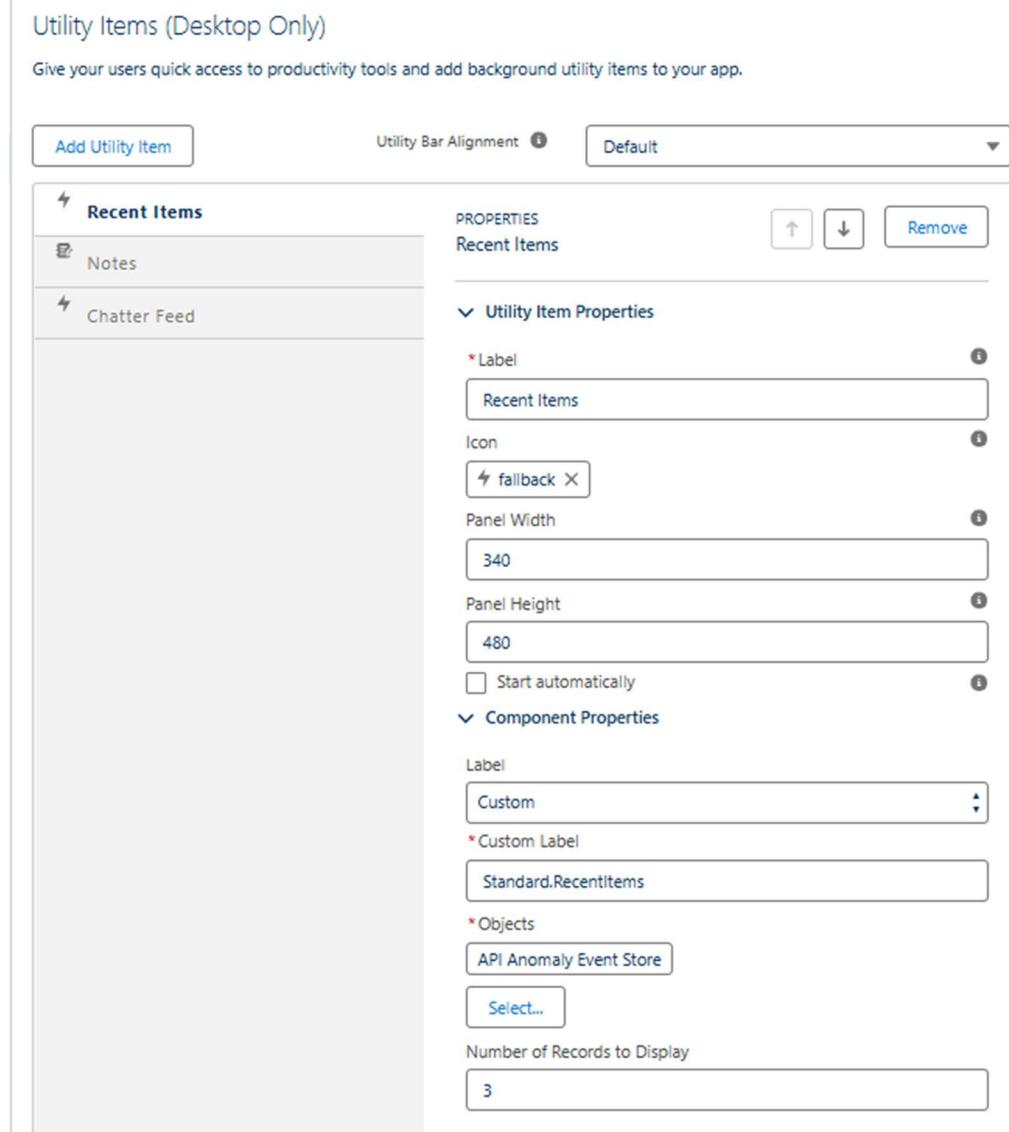
Label: Custom

\* Custom Label: Standard.RecentItems

\* Objects: API Anomaly Event Store

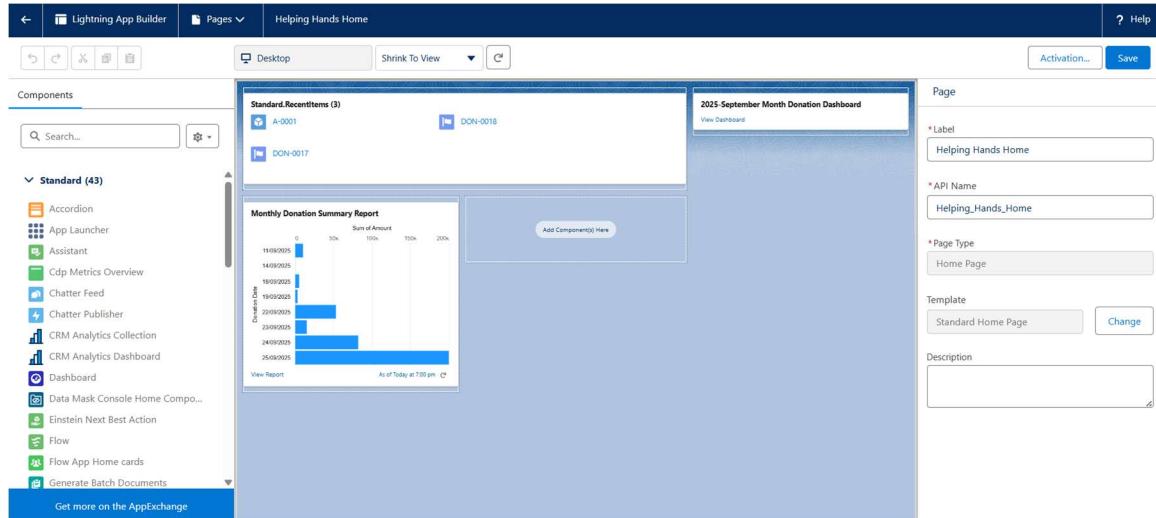
Select...

Number of Records to Display: 3



## Step 5: Create a Custom Home Page

1. Go to **Setup → Lightning App Builder → New → Home Page.**
2. Name it: Helping Hands Home.
3. Choose **Standard Home Page**.
4. Drag components:
  - **Recent Items (Donations, Events)**
  - **Reports (Donation Summary Report)**
  - **Dashboard (Donation Trends)**
5. Save & Activate → Assign to Helping Hands App.



## Step 6: Basic LWC (Lightning Web Component)

1. Open **Setup → Developer Console**.
2. Click **File → New → Lightning Component**.
3. Name: donationSummaryCard.
4. In the markup, paste simple code:

```

donationSummaryCardController.js [x] donationSummaryCard.cmp [x] DonationController.apxc [x]
1 <aura:component controller="DonationController" implements="flexipage:availableForAllPageTypes" access="global">
2   <!-- attributes to hold values -->
3   <aura:attribute name="totalAmount" type="String" />
4   <aura:attribute name="totalDonations" type="String" />
5   <aura:attribute name="monthLabel" type="String" />
6
7   <!-- init handler -->
8   <aura:handler name="init" value="{!this}" action=" {!c.doInit}"/>
9
10 <lightning:card title="Donation Summary">
11   <div class="slds-p-around_medium">
12     <p><strong>Month:</strong> {!v.monthLabel}</p>
13     <p><strong>Total Donation Amount:</strong> {!v.totalAmount}</p>
14     <p><strong>Total Donations:</strong> {!v.totalDonations}</p>
15   </div>
16 </lightning:card>
17 </aura:component>

```

5. We will create an Apex class that returns the most recent `Donation_Summary_c` record.

1. Setup (⚙) → Quick Find → **Apex Classes** → click **Apex Classes**.
2. Click **New** (top-right).
3. In the editor, paste the exact code below.
4. Click **Save**.

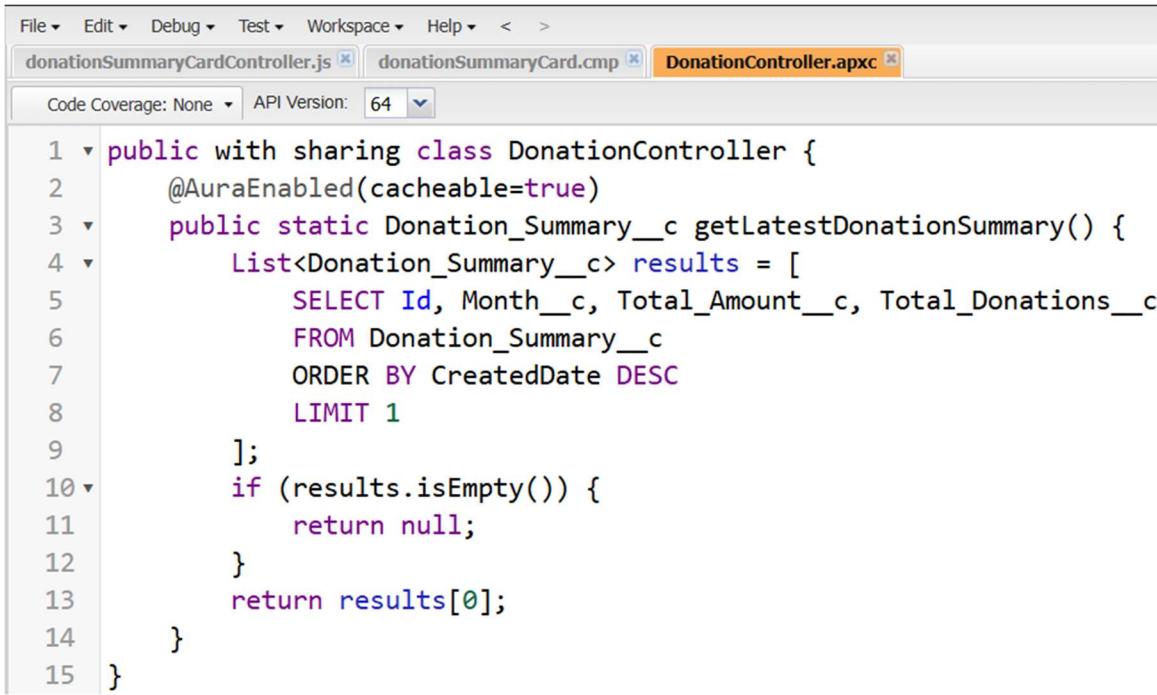
### Apex class:

```

donationSummaryCardController.js [x] donationSummaryCard.cmp [x] DonationController.apxc [x]
1 <{(
2   doInit : function(component, event, helper) {
3     var action = component.get("c.getLatestDonationSummary");
4     action.setCallback(this, function(response) {
5       var state = response.getState();
6       if (state === "SUCCESS") {
7         var data = response.getReturnValue();
8         if (data) {
9           component.set("v.totalAmount", data.Total_Amount__c ? data.Total_Amount__c : '0');
10          component.set("v.totalDonations", data.Total_Donations__c ? data.Total_Donations__c : '0');
11          component.set("v.monthLabel", data.Month__c ? data.Month__c : 'N/A');
12        } else {
13          component.set("v.totalAmount", '0');
14          component.set("v.totalDonations", '0');
15          component.set("v.monthLabel", 'N/A');
16        }
17      } else {
18        // handle errors for debugging
19        var errors = response.getError();
20        console.error('Error from server-side action', errors);
21        component.set("v.totalAmount", 'Error');
22        component.set("v.totalDonations", 'Error');
23        component.set("v.monthLabel", 'Error');
24      }
25    });
26    $A.enqueueAction(action);
27  }
28 )>

```

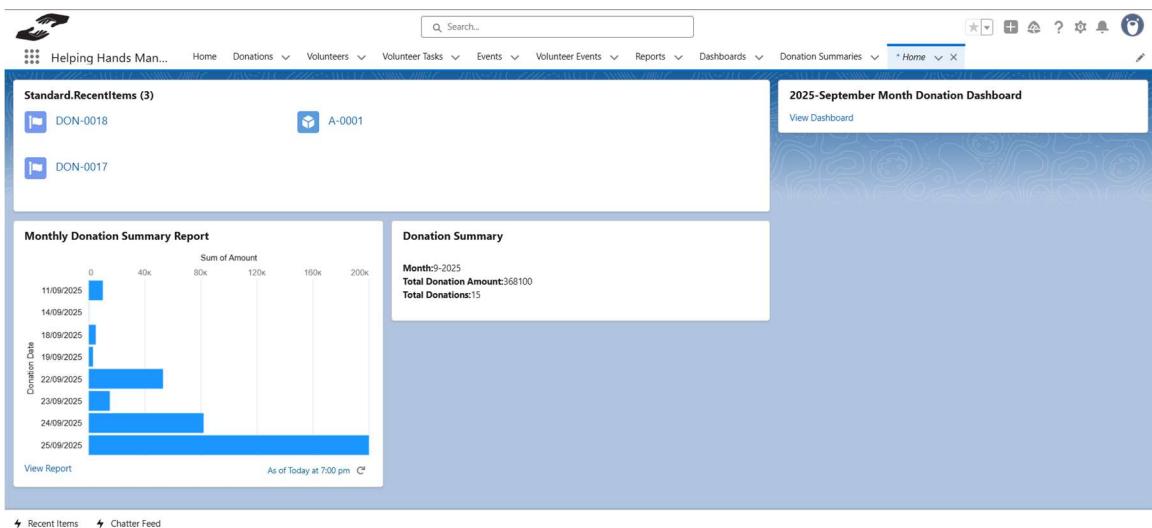
## 6. In Apex Controller:



```
1 public with sharing class DonationController {
2     @AuraEnabled(cacheable=true)
3     public static Donation_Summary__c getLatestDonationSummary() {
4         List<Donation_Summary__c> results = [
5             SELECT Id, Month__c, Total_Amount__c, Total_Donations__c
6             FROM Donation_Summary__c
7             ORDER BY CreatedDate DESC
8             LIMIT 1
9         ];
10        if (results.isEmpty()) {
11            return null;
12        }
13        return results[0];
14    }
15 }
```

## Step 7: Place LWC on the Home Page

1. Go to **Lightning App Builder** → **Home Page** → **Edit**.
2. Drag **donationSummaryCard** LWC into the Home Page.
3. Save & Activate.



The screenshot shows the Salesforce Lightning App Builder interface. The top navigation bar includes 'Helping Hands Man...', 'Home', 'Donations', 'Volunteers', 'Volunteer Tasks', 'Events', 'Volunteer Events', 'Reports', 'Dashboards', and 'Donation Summaries'. The main content area displays three components: 'Standard.RecentItems (3)' showing recent items DON-0018, A-0001, and DON-0017; 'Monthly Donation Summary Report' showing a bar chart of donations from 11/09/2025 to 25/09/2025 with a total sum of 368100; and '2025-September Month Donation Dashboard' which includes a 'View Dashboard' button and summary statistics for September 2025.