

To Supply Leftover Food To Poor

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1.1 INTRODUCTION

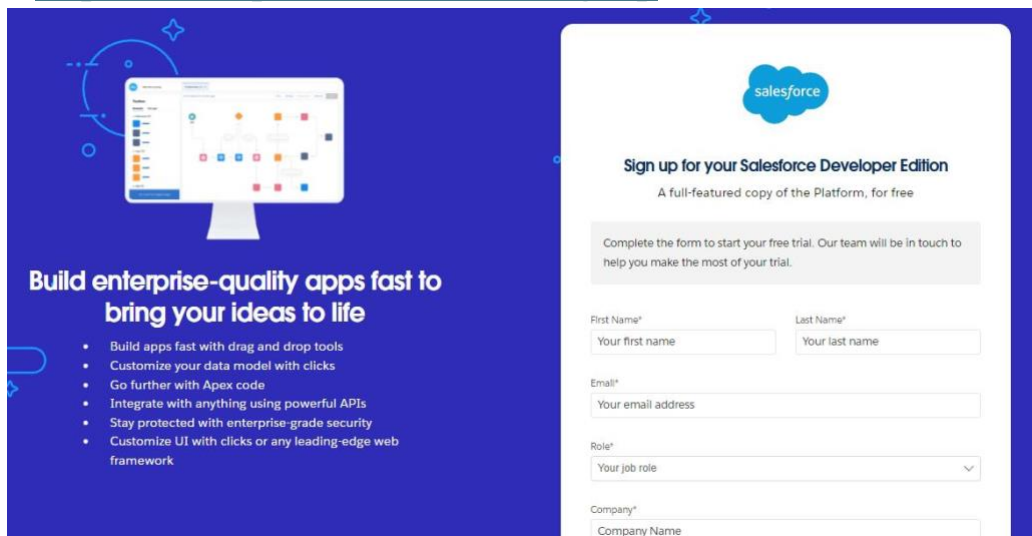
1.2 Project Overview

Utilizing Salesforce, our project streamlines surplus food collection and distribution to the needy, ensuring efficiency and transparency.

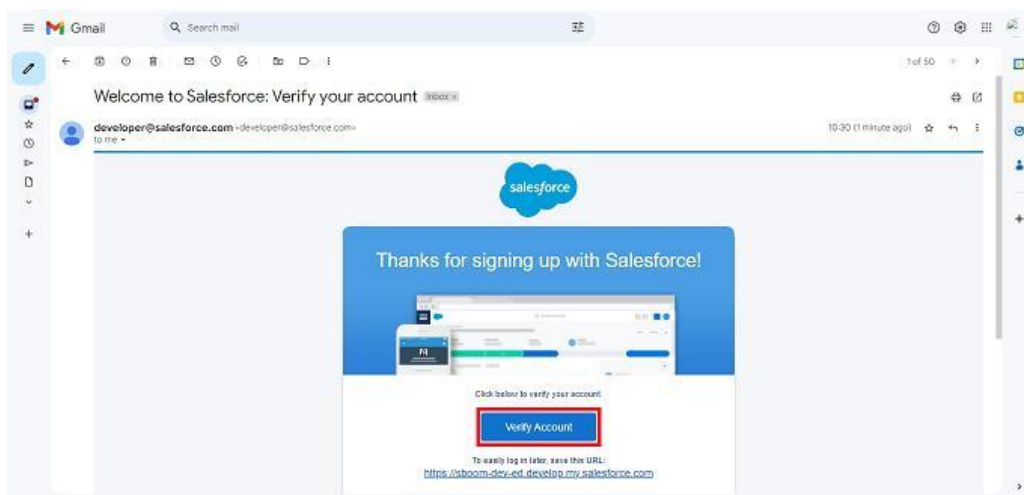
DEVELOPMENT PHASE

Create A Developer Account then Then Account Activation

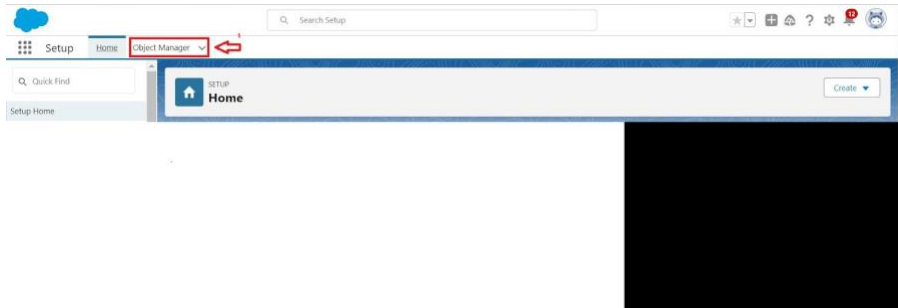
<https://developer.salesforce.com/signup>



The image shows the Salesforce Developer Edition sign-up page. On the left, there is a blue sidebar with a white monitor icon displaying a Salesforce interface. Below the icon, the text reads "Build enterprise-quality apps fast to bring your ideas to life". A bulleted list follows: "Build apps fast with drag and drop tools", "Customize your data model with clicks", "Go further with Apex code", "Integrate with anything using powerful APIs", "Stay protected with enterprise-grade security", and "Customize UI with clicks or any leading-edge web framework". On the right, the main content area is white with a blue Salesforce logo at the top. Below the logo, the heading "Sign up for your Salesforce Developer Edition" is followed by the subtext "A full-featured copy of the Platform, for free". A grey box contains the instruction "Complete the form to start your free trial. Our team will be in touch to help you make the most of your trial." Below this, there are form fields for "First Name*", "Last Name*", "Email*", "Role*", and "Company*", each with a corresponding input field.



Create Object : Venue, Drop off point, Task, volunteer, Execution Details



This screenshot displays the 'New Custom Object' page in Salesforce Setup. The page is titled 'New Custom Object' and has a 'Setup' icon in the top left. The main section is 'Custom Object Definition Edit', which includes several input fields and checkboxes. Red boxes and arrows highlight specific areas: 1. The 'Label' field is highlighted with a red box and an arrow. 2. The 'Plural Label' field is highlighted with a red box and an arrow. 3. The 'Object Name' field is highlighted with a red box and an arrow. 4. The 'Record Name' field is highlighted with a red box and an arrow. 5. The 'Optional Features' section, which includes checkboxes for 'Allow Reports', 'Allow Hierarchy', and 'Track Field History', is highlighted with a red box and an arrow. The 'Save', 'Save & New', and 'Cancel' buttons are visible at the top right of the form.

This screenshot shows the 'Object Classification' and 'Object Creation Options' sections of the Salesforce Setup page. The 'Object Classification' section includes checkboxes for 'Allow Sharing', 'Allow Bulk API Access', and 'Allow Streaming API Access'. The 'Deployment Status' section has radio buttons for 'In Development' and 'Deployed'. The 'Search Status' section has a checkbox for 'Allow Search', which is highlighted with a red box and an arrow. The 'Object Creation Options' section includes checkboxes for 'Add Notes and Attachments related list to default page layout' and 'Launch New Custom Tab Wizard after saving this custom object'. At the bottom, the 'Save', 'Save & New', and 'Cancel' buttons are visible, with the 'Save' button highlighted by a red box and an arrow.

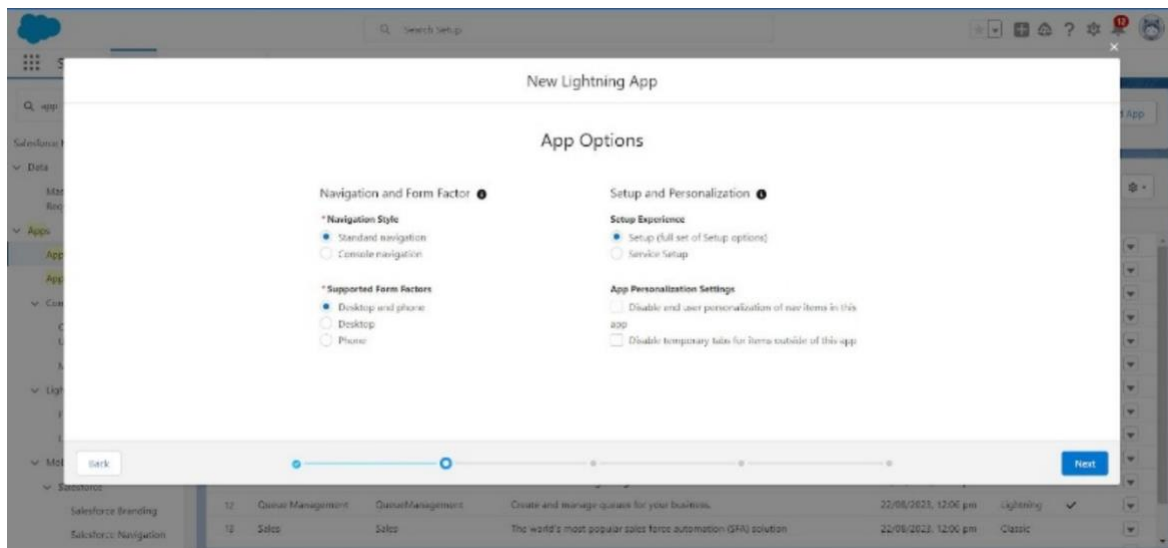
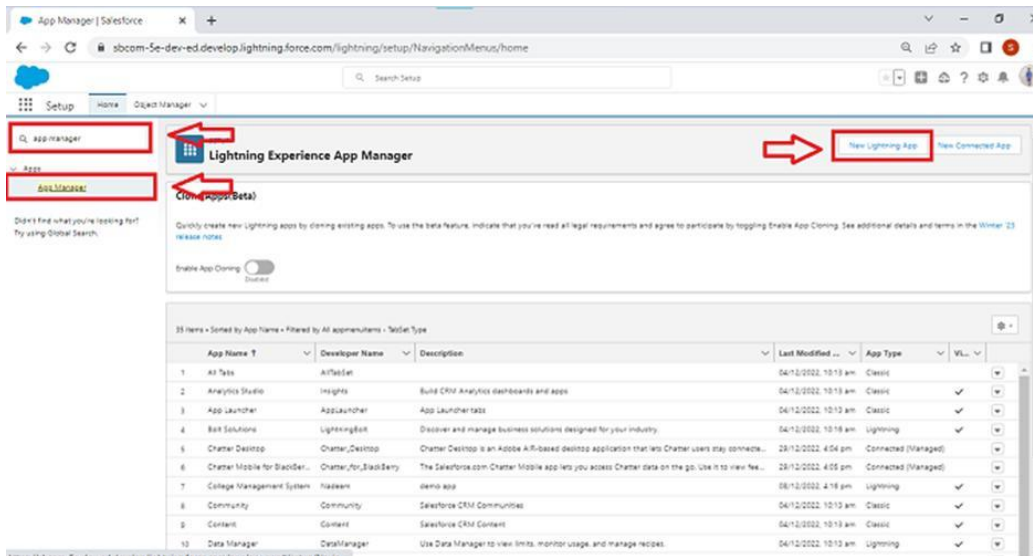
Create Tabs : Custom Tab, Remaining Tabs

The screenshot shows the Salesforce Setup page for Custom Tabs. The page title is "Custom Tabs". Below the title, there is a brief description: "You can create new custom tabs to extend Salesforce functionality or to build new application functionality. Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app."

The main content area displays a table of Custom Object Tabs. The table has four columns: Action, Label, Tab Style, and Description. The first row shows a tab for "Activities" with a "New" button next to it. The "New" button is highlighted with a red box and an arrow. The table lists several other tabs, including "Activities", "Accounts", "Contacts", "Leads", "Opportunities", "Orders", "Products", "Quotes", "Cases", "Chatter", "Communities", "Events", "Files", "Groups", "Knowledge", "Marketing", "Partners", "Reports", "Sales", "Service", "Training", and "Users".

Action	Label	Tab Style	Description
Get / Del	Activities	Web	created to setup with student activity (student object)
Get / Del	Accounts	Apparel	
Get / Del	Contacts	Classroom	
Get / Del	Leads	Lead	This tab is related to Hotel Reservation App
Get / Del	Opportunities	Apparel	
Get / Del	Orders	Phone	This tab is related to College Management System
Get / Del	Products	Comm	
Get / Del	Quotes	Comm	
Get / Del	Cases	Comm	
Get / Del	Chatter	Comm	
Get / Del	Communities	Comm	
Get / Del	Events	Highway Sign	This tab is related to Hotel Reservation App
Get / Del	Files	Highway Sign	This tab is related to Hotel Reservation App
Get / Del	Groups	Apparel	
Get / Del	Knowledge	Comm	This tab is related to College Management System

Create The Lighting App: create a Lighting App



Available Items

↺ Create ▾

Type to filter list...

Accounts

All Sites

Alternative Payment Methods

Analytics

App Launcher

Appointment Categories

Appointment Invitations

Approval Requests

Asset Action Sources

Asset Actions

Selected Items

Home

Venues

Tasks

Drop-Off points

Execution Details

Volunteers

Reports

Dashboards

▶

◀

▲

▼

New Lightning App

User Profiles

Choose the user profiles that can access this app.

Available Profiles

System administrator

Selected Profiles

System Administrator

▶

◀

◉ ◉ ◉ ◉ ◉

➡ Save & Finish

Field: Creation of Relationship fields in objects,fields for the Venue object,fields for the Drop-Off point object,fields for the Task object,fields for the Volunteer object,fields for the Execution Details object.

SETUP • OBJECT MANAGER

Volunteer

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

☐ Roll Up Summary

☒ Lookup Relationship

☐ Master Detail Relationship

☐ External Lookup Relationship

A read-only field that displays the sum, minimum, or maximum value of a field in a related list or the record count of all records listed in a related list.

Creates a relationship that links this object to another object. The relationship field allows users to click on a lookup icon to select a value from a popup list. The other object is the source of the values in the list.

Creates a special type of parent-child relationship between this object (the child, or "detail") and another object (the parent, or "master") where

- The relationship field is required on all detail records.
- The ownership and sharing of a detail record are determined by the master record.
- When a user deletes the master record, all detail records are deleted.
- You can create rollup summary fields on the master record to summarize the detail records.

The relationship field allows users to click on a lookup icon to select a value from a popup list. The master object is the source of the values in the list.

Creates a relationship that links this object to an external object whose data is stored outside the Salesforce org.

Step 2. Choose the related object

Select the other object to which this object is related.

Related To: Drop-Off point

Previous Next Cancel

Formula Options

Formula Return Type: Number

Decimal Places: 4

Enter your formula and click Check Syntax to check for errors. Click the Advanced Formula subtab to use additional fields, operators, and functions.

Example: `Fahrenheit = 1.8 * Celsius__c + 32` [More Examples...](#)

Simple Formula Advanced Formula

Insert Field Insert Operator


distance calculation (Number) =
`DISTANCE(Location_2__c , Venue_F.Location__c , 'km')`

Flows: Create Flow to create a record in Venue object.

New Flow


Core

All + Templates




Screen Flow

Guides users through a business process that's launched from Lightning pages. Experience Cloud sites, quick actions, and ...




Record-Triggered Flow

Launches when a record is created, updated, or deleted. This autolaunched flow runs in the background.




Schedule-Triggered Flow

Launches at a specified time and frequency for each record in a batch. This autolaunched flow runs in the background.




Platform Event—Triggered Flow

Launches when a platform event message is received. This autolaunched flow runs in the background.



Autolaunched Flow (No Trigger)

Launches when invoked by Apex, processes, REST API, and more. This autolaunched flow runs in the background.



Record-Triggered Orchestration

Launches when a record is created or updated. An orchestration lets you create a multi-step, multi-user process.

Create

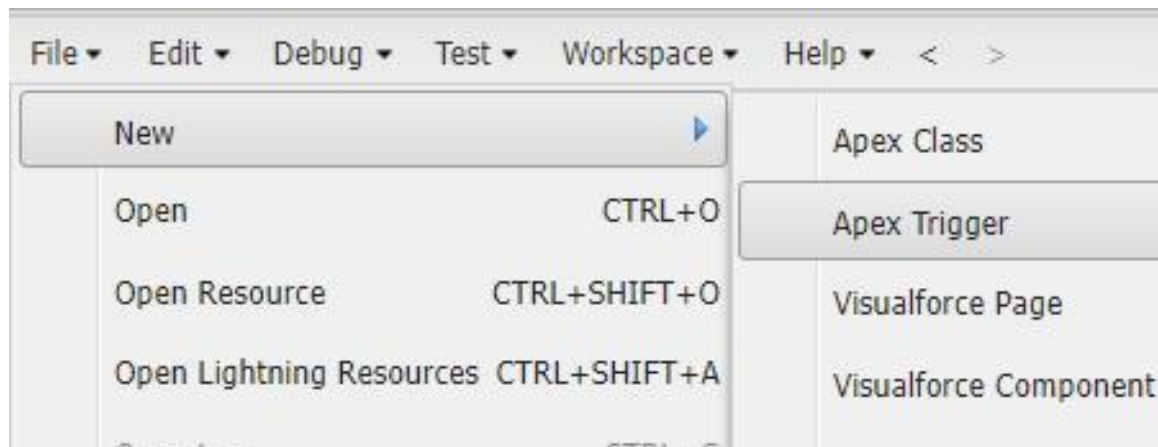
Create a Record of This Object

* Object
Venue

Set Field Values for the Venue

The screenshot shows the 'Add New' form for the 'Venue' table. The form consists of four rows, each with a 'Field' and a 'Value' input. The 'Field' inputs are 'Contact_Email_c', 'Contact_Phone_c', 'Name', and 'Venue_Location_c'. The 'Value' inputs are 'Aa Contact_Email > Value X', 'Aa Contact_Phone > Value X', 'Aa Venue_Name X', and 'Aa location X'. Red boxes highlight the 'Field' inputs and the 'Value' inputs for the first three rows. A red arrow points from the 'Contact_Email_c' field to the 'Contact_Email > Value X' value.

Trigger : Create A Trigger, Trigger Code

A screenshot of the 'New Apex Trigger' dialog box. It has a title bar with a close button. Inside, there are two input fields: 'Name:' followed by a text box, and 'sObject:' followed by a dropdown menu. At the bottom right of the dialog is a 'Submit' button.

Create Profile

Creation of Users: Creation of User1,2,3

General Information

First Name

Iksha Foundation

Last Name

Iksha_Foundation

Alias

iiiksh

Email

bhargavipaila1023@gmail.c

Username

ikshafoundation@sb.com

Nickname

User1711437164226559933

Title

Company

Department

Division

Role

<None Specified>

User License

Salesforce Platform

Profile

NGOs Profile

Active

☒

Marketing User

☐

Offline User

☐

Knowledge User

☐

Flow User

☐

Service Cloud User

☐

Site.com Contributor User

☐

<input type="checkbox"/>		Edit		Login		Iksha_Foundation, Iksha Foundation		iiiksh	
<input type="checkbox"/>		Edit		Login		NSS, NSS		nnss	
<input type="checkbox"/>		Edit		Login		Street_Cause, Street Cause		sstre	

Public Groups : Creation of Public Group 1,2

New				
Action	Label ↑	Group Name	Created By	Created Date
Edit Del	Iksha	Iksha	Bhargavi_Palla	26/03/2024, 2:27 pm
Edit Del	NSS	NSS	Bhargavi_Palla	26/03/2024, 2:27 pm
Edit Del	Street Cause	Street_Cause	Bhargavi_Palla	26/03/2024, 2:26 pm

Report Types: Creation of Report Types

Outline

Filters 2

Groups

GROUP ROWS

Add group...

Volunteer Name

GROUP COLUMNS

Add group...

Columns

Add column...

Venue Name

Drop-Off point Name

Distance

Previewing a limited number of records. Run the report to see everything.

Volunteer Name ↑	Venue Name ↑	Drop-Off point Name	Distance
- (4)	La Royale Banquet Hall.	Shapur	5.1161
	La Royale Banquet Hall.	Jeedimetla	6,902.9995
	Paradise Garden Function Hall	Suraram Village	28.2332
	Ujwala Grand	-	-
Subtotal			6,936.3488
Total (4)			6,936.3488

REPORT

Volunteer Task

Volunteers with Execution Details and Tasks

Add Chart

Save & Run

Save

Close

Run

Outline

Filters

GROUP ROWS

Add group...

Volunteer ID

GROUP COLUMNS

Add group...

Columns

Add column...

Volunteer Volunteer Name

Task Task Name

Execution Detail Execution Detail Name

Volunteer Owner Name

Task Date

Task Rating

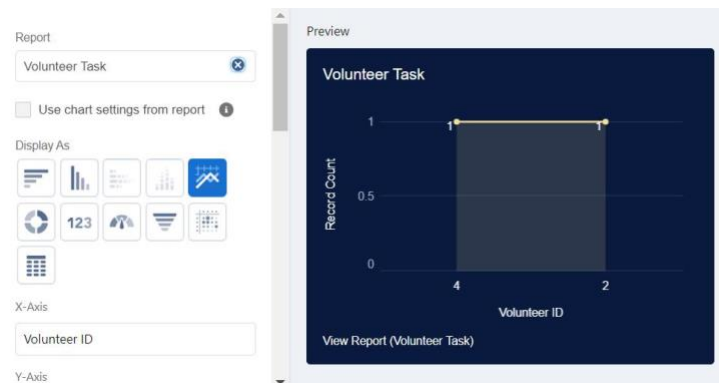
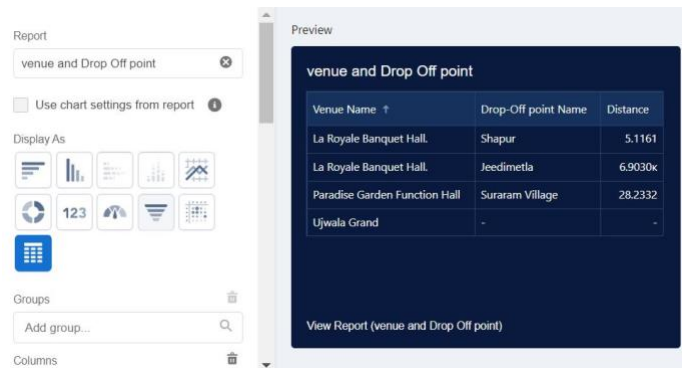
Previewing a limited number of records. Run the report to see everything.

Update Preview Automatically

Volunteer ID ↑	Volunteer Volunteer Name	Task Task Name	Execution Detail Execution Detail Name	Volunteer Owner Name	Task Date	Task Rating
2 (1)	Chetan	Task 2	Execution 2	Koka Foundation Koka_Foundation	25/03/2024	3
Subtotal						
4 (1)	Bhaskar	Task 1	Execution 1	Koka Foundation Koka_Foundation	25/03/2024	4
Subtotal						
Total (2)						

Row Counts: 2 | Detail Rows: 4 | Subtotals: 2 | Grand Total: 1

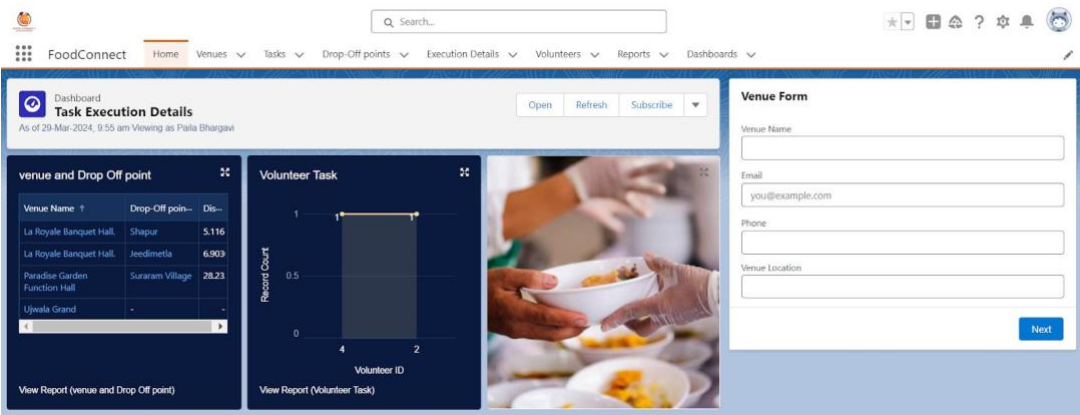
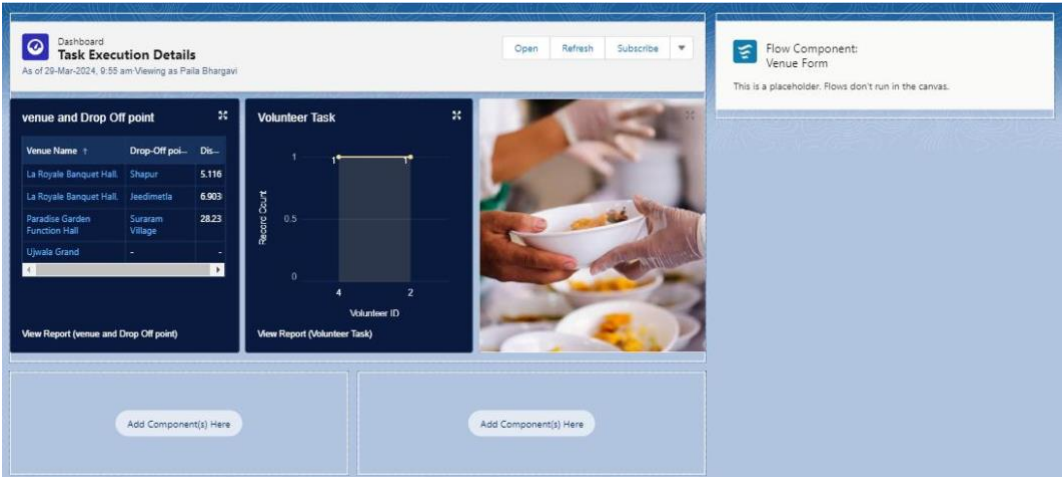
Dashboards: Adding venue and Drop Off point Report to the Dashboard,
Adding Volunteer Task Report to the Dashboard, Adding a Picture to the Dashboard
(Optional)



Sharing Rules : Creation of sharing rules

Drop-Off point Sharing Rules			Drop-Off point Sharing Rules Help ?	
Action	Criteria	Shared With	Access Level	
Edit Del	Drop-Off point: Distance LESS OR EQUAL 15	Group: Iksha	Read/Write	
Edit Del	(Drop-Off point: Distance GREATER THAN 15) AND (Drop-Off point: Distance LESS OR EQUAL 30)	Group: NSS	Read/Write	
Edit Del	(Drop-Off point: Distance GREATER THAN 30) AND (Drop-Off point: Distance LESS OR EQUAL 50)	Group: Street Cause	Read/Write	

Home Page: Creation of Home Page



Conclusion :

By leveraging the Salesforce platform, the project successfully established a streamlined and transparent system for managing surplus food donations. Through efficient coordination with volunteers and timely delivery to beneficiaries, the project effectively addressed food insecurity while maximizing the utilization of available resources.

Advantages

1. Reduces Hunger – Helps poor and needy people get meals they otherwise cannot afford.
2. Prevents Food Waste – Instead of throwing away surplus food, it is put to good use.
3. Cost-Effective Solution – Charities and organizations can serve more people without high costs.
4. Environmental Benefit – Reduces food wastage, which in turn lowers garbage and pollution.
5. Promotes Social Responsibility – Encourages hotels, restaurants, and individuals to support society.

Disadvantages

1. Health Risks – If not stored or handled properly, leftover food may cause food poisoning.
2. Short Shelf Life – Leftover food often spoils quickly, limiting the time it can be safely used.
3. Logistical Challenges – Transporting and distributing food safely can be difficult.
4. Dependency Risk – People may start depending only on free leftover food instead of sustainable solutions.
5. Quality Concerns – The poor may receive food that lacks nutrition or dignity compared to fresh meals.