

To Supply Leftover Food to Poor

College name:pollachi College of
arts and science

college Code: bruaf

Team ID: NM2025TMID26858 Team

Members: Team LeaderName:Sathish
kumar R

Email:23nmcSSathishkumar@gmail.com

Team Member1:KarthikeyanM

Email:23nmcskarthikeyan@gmail.com

Team Member2: Abdulkalam

Email:23nmcsabdulkalam@gmail.com

Team Member3:Tharun s

Email:23nmcstharun@gmail.com

TeamMember4:Haridharshan A

Email:23nmcsharidharshan
@gmail.com

1. INTRODUCTION:

1.1 Project Overview:

Our CRM project focuses on streamlining the process of collecting and distributing leftover food to underprivileged communities. The system is designed to connect donors (such as restaurants, hotels, and households) with NGOs and volunteers who help in food distribution. Key features include donor and beneficiary management, real-time food availability tracking, automated pickup and delivery scheduling, and reporting tools to monitor impact. This CRM addresses the business need of reducing food wastage while ensuring surplus food reaches people in need efficiently and transparently.

1.2 Objectives:

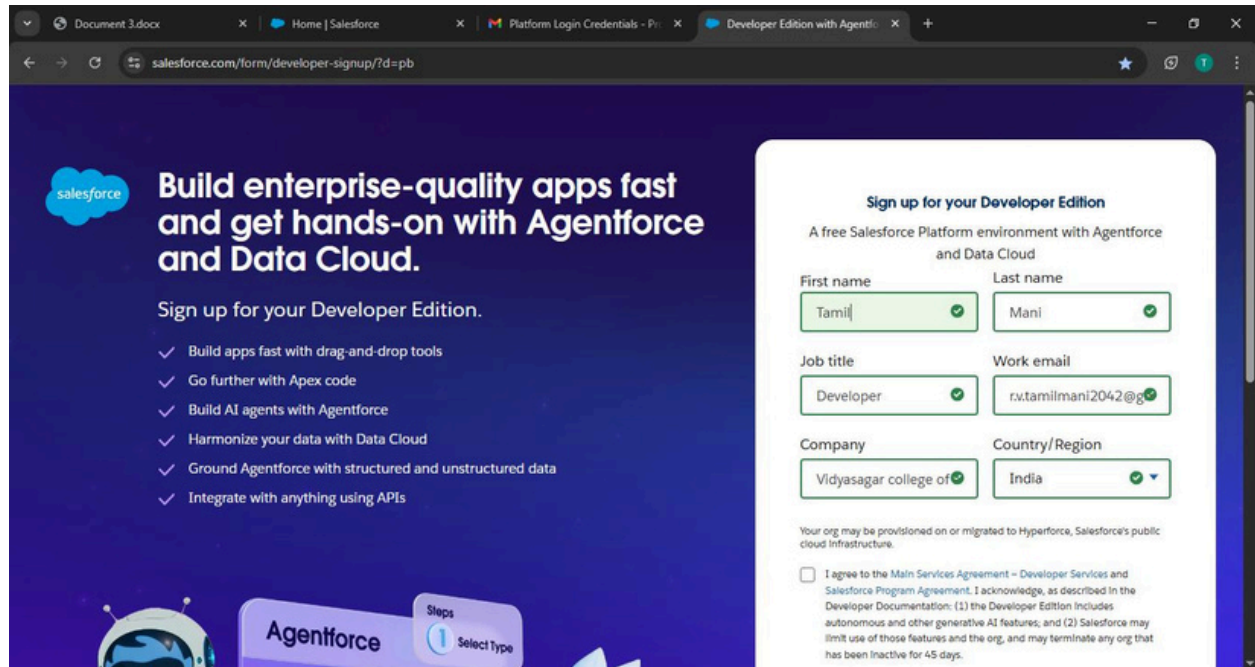
The main objective of building this CRM is to create an organized platform that efficiently manages the collection and distribution of leftover food. It aims to simplify communication between donors, NGOs, and volunteers while ensuring transparency and accountability in the process. By automating scheduling, tracking donations, and monitoring food distribution, the CRM reduces manual effort and operational delays.

The business value lies in minimizing food wastage, maximizing resource utilization, and delivering timely support to the needy, making the entire system more reliable, efficient, and impactful.

DEVELOPMENT PHASE:

Creating Developer Account:

By this URL: <https://developer.salesforce.com/signup>




The screenshot shows the Salesforce Developer Edition signup page. The left side features the Salesforce logo and the text "Build enterprise-quality apps fast and get hands-on with Agentforce and Data Cloud." Below this, it says "Sign up for your Developer Edition." and lists five benefits: "Build apps fast with drag-and-drop tools", "Go further with Apex code", "Build AI agents with Agentforce", "Harmonize your data with Data Cloud", and "Ground Agentforce with structured and unstructured data". At the bottom left, there is a "Steps" section with "1 Select Type" and an "Agentforce" logo.

The right side is a form titled "Sign up for your Developer Edition" with the subtitle "A free Salesforce Platform environment with Agentforce and Data Cloud". The form fields are:








- First name: Tamil (with a green checkmark)
- Last name: Mani (with a green checkmark)
- Job title: Developer (with a green checkmark)
- Work email: rx.tamilmani2042@g (with a green checkmark)
- Company: Vidyasagar college of (with a green checkmark)
- Country/Region: India (with a green checkmark and a dropdown arrow)

Below the form, there is a note: "Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud Infrastructure." and a checkbox for "I agree to the Main Services Agreement - Developer Services and Salesforce Program Agreement. I acknowledge, as described in the Developer Documentation: (1) the Developer Edition includes autonomous and other generative AI features; and (2) Salesforce may limit use of those features and the org, and may terminate any org that has been inactive for 45 days."

Created Objects: Venue, Drop-off point, Task, Volunteer, Execution Detail.



Search Setup



SetupHomeObject Manager

SETUP > OBJECT MANAGER

Drop-Off Point

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

Details

Description

API Name

Drop_Off_Point__c

Custom

Singular Label

Drop-Off Point

Plural Label

Drop-Off Points

Enable Reports

Track Activities

Track Field History

Deployment Status


Deployed

Help Settings








Standard salesforce.com Help Window

EditDelete

https://orgfarm-2730631446-dev-ed.develop.lightning.force.com/one/one.app#/s...



Search Setup



SetupHomeObject Manager

SETUP > OBJECT MANAGER

Execution Detail

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

Details

Description

API Name

Execution_Detail__c

Custom

Singular Label

Execution Detail

Plural Label

Execution Details

Enable Reports

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

EditDelete

https://orgfarm-2730631446-dev-ed.develop.lightning.force.com/one/one.app#/setup/ObjectManager/01lg0000023zdh/FieldSets/view



Search Setup



Setup

Home

Object Manager

SETUP > OBJECT MANAGER
Task

Details

- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types
- Related Lookup Filters
- Search Layouts

Details

Edit Delete

Description

API Name

Task__c

Custom

✓

Singular Label

Task

Plural Label

Tasks

Enable Reports

✓

Track Activities

✓

Track Field History

✓

Deployment Status

Deployed

Help Settings

[Standard salesforce.com Help Window](#)



Search Setup



Setup

Home

Object Manager

SETUP > OBJECT MANAGER
Venue

Details

- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types
- Related Lookup Filters
- Search Layouts

Details

Edit Delete

Description

API Name

Venue__c

Custom

✓

Singular Label

Venue

Plural Label

Venues

Enable Reports

✓

Track Activities

✓

Track Field History

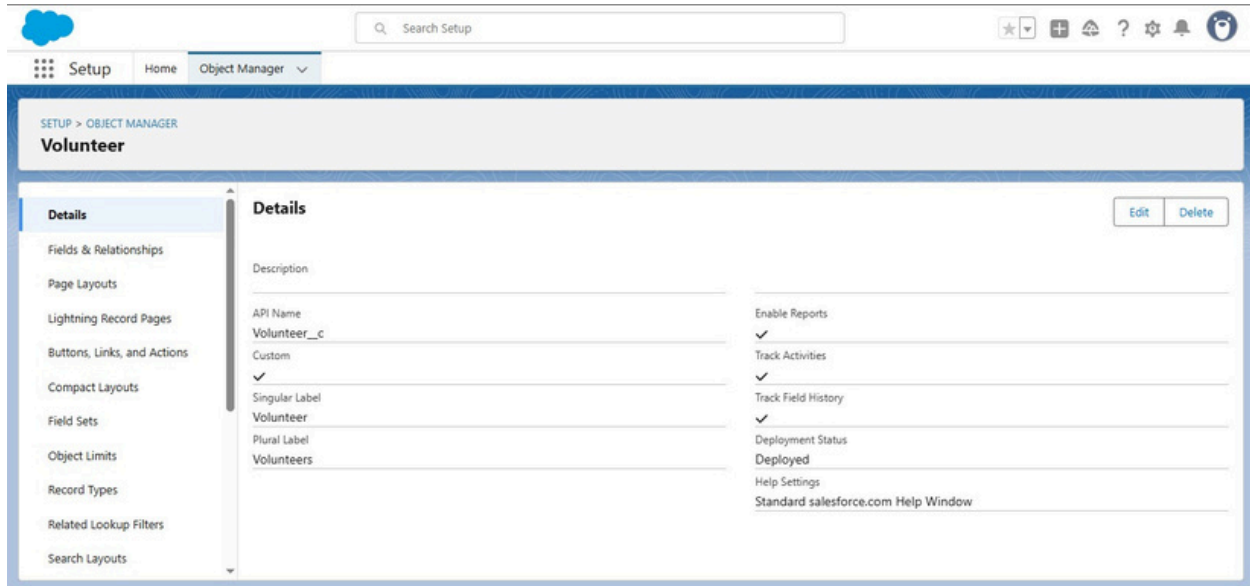
✓

Deployment Status

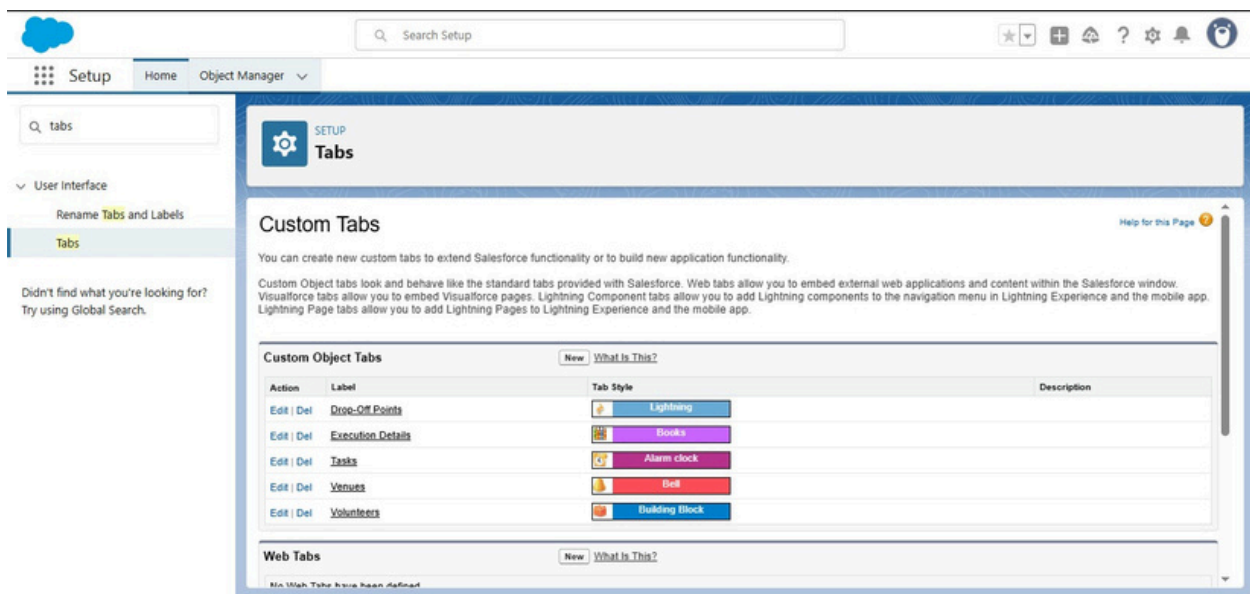
Deployed

Help Settings

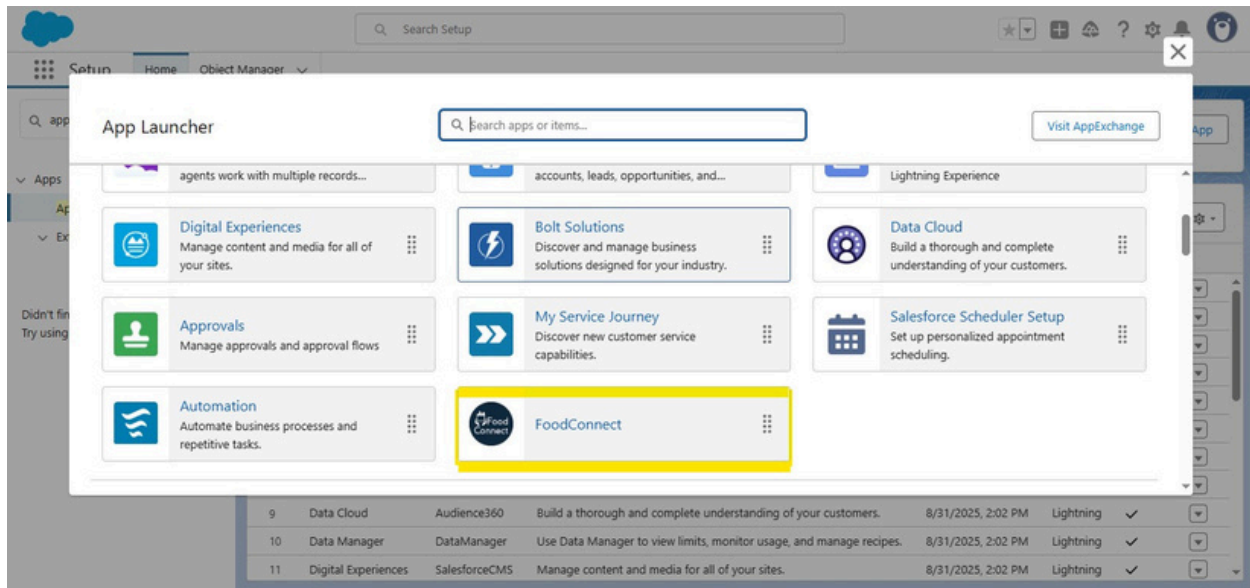
[Standard salesforce.com Help Window](#)



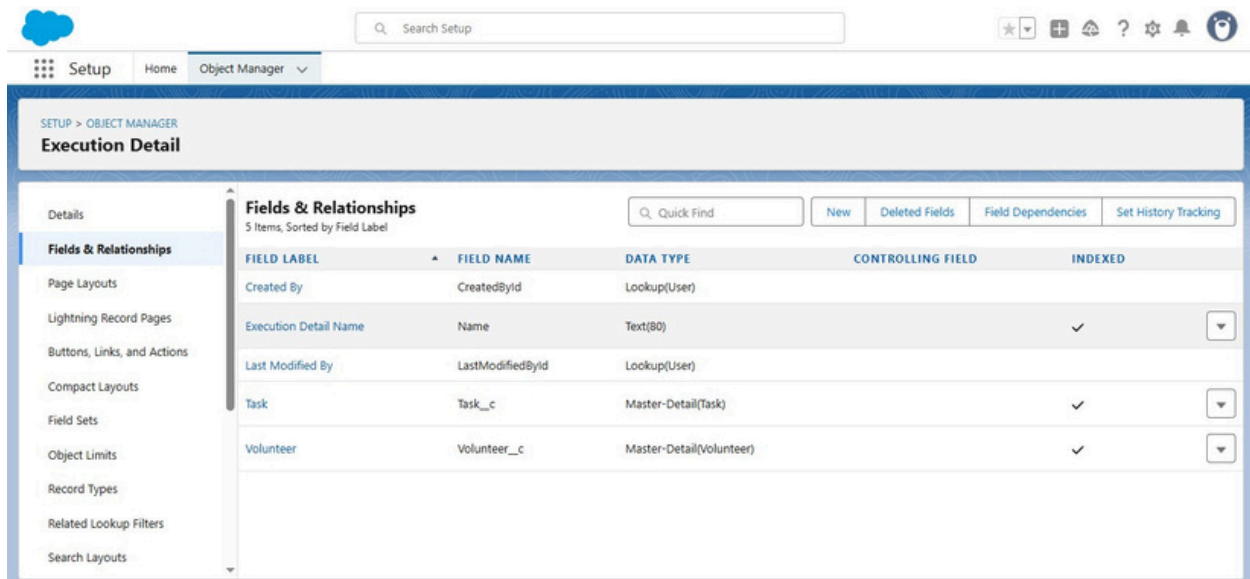
Created Tabs for Venue, Drop-off point, Task, Volunteer, Execution Detail.



We have successfully created a “Food Connect” app.



Creation of Relationship fields in objects (Venue, Drop-off point, Task, Volunteer, Execution Detail)...



Setup

Home

Object Manager

Search Setup

Task

Details

Fields & Relationships

15 Items, Sorted by Field Label

Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Distance	Distance__c	Number(14, 4)		
Drop-Off Point	Drop_Off_Point__c	Lookup(Drop-Off Point)	✓	
Feedback	Feedback__c	Long Text Area(32768)		
Food Category	Food_Category__c	Picklist (Multi-Select)		
Last Modified By	LastModifiedById	Lookup(User)		
Name of the Person	Name_of_the_Person__c	Text(50)		
Number of People Served	Number_of_People_Served__c	Number(18, 0)		
Owner	OwnerId	Lookup(User Group)	✓	
Phone	Phone__c	Phone		
Rating	Rating__c	Picklist		
Task ID	Task_ID__c	Auto Number		
Task Name	Name	Text(80)	✓	
Venue	Venue__c	Lookup(Venue)		

Setup

Home

Object Manager

Search Setup

Drop-Off Point

Details

Fields & Relationships

8 Items, Sorted by Field Label

Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
distance calculation	distance_calculation__c	Formula (Number)		
Drop-Off Point Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Location 2	Location_2__c	Geolocation		
Owner	OwnerId	Lookup(User Group)		✓
State	State__c	Picklist		
Venue	Venue__c	Lookup(Venue)		✓

Setup Home Object Manager

Search Setup

SETUP > OBJECT MANAGER

Venue

Details

Fields & Relationships

8 items. Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Contact Email	Contact_Email__c	Email		
Contact Phone	Contact_Phone__c	Phone		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Location	Location__c	Geolocation		
Owner	OwnerId	Lookup(User/Group)		✓
Venue Location	Venue_Location__c	Long Text Area(32768)		
Venue Name	Name	Text(80)		✓

Page Layouts Lightning Record Pages Buttons, Links, and Actions Compact Layouts Field Sets Object Limits Record Types Related Lookup Filters Search Layouts List View Button Layout Restriction Rules Scoping Rules Object Access

Setup Home Object Manager

Search Setup

SETUP > OBJECT MANAGER

Volunteer

Details

Fields & Relationships

13 items. Sorted by Field Label

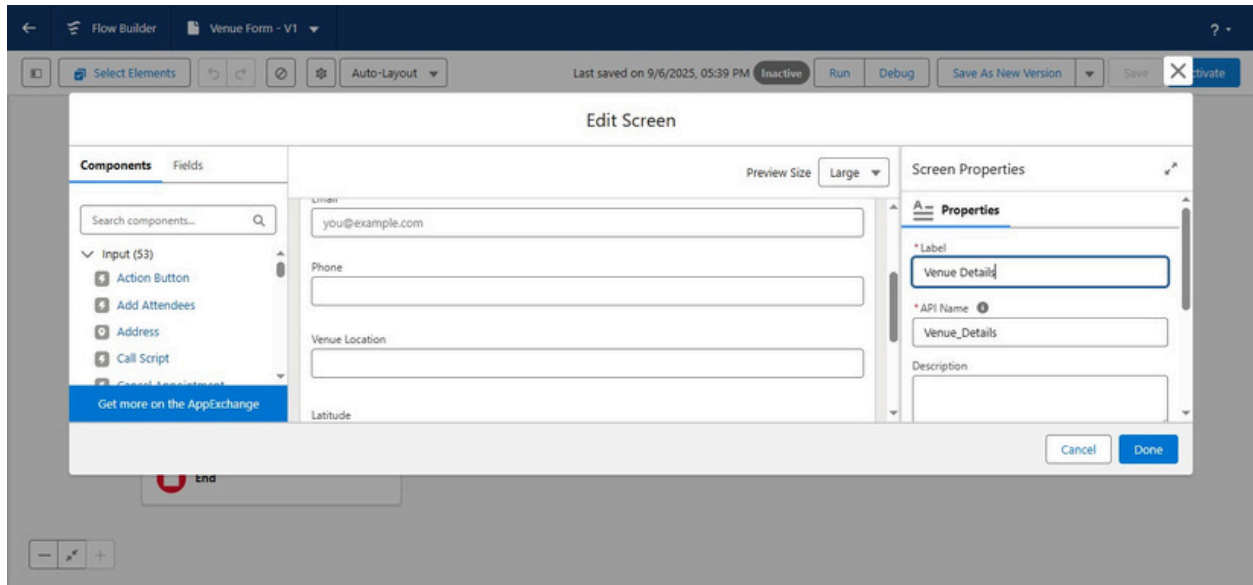
Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Long Text Area(32768)		
Age	Age__c	Number(18, 0)		
Available On	Available_On__c	Date		
Contact Number	Contact_Number__c	Number(18, 0)		
Created By	CreatedById	Lookup(User)		
Date of Birth	Date_of_Birth__c	Date		
Drop-Off Point	Drop_Off_Point__c	Master-Detail(Drop-Off Point)		✓
Email	Email__c	Email		
Execution ID	Execution_ID__c	Auto Number		
Gender	Gender__c	Picklist		
Last Modified By	LastModifiedById	Lookup(User)		

Page Layouts Lightning Record Pages Buttons, Links, and Actions Compact Layouts Field Sets Object Limits Record Types Related Lookup Filters Search Layouts List View Button Layout Restriction Rules Scoping Rules Object Access

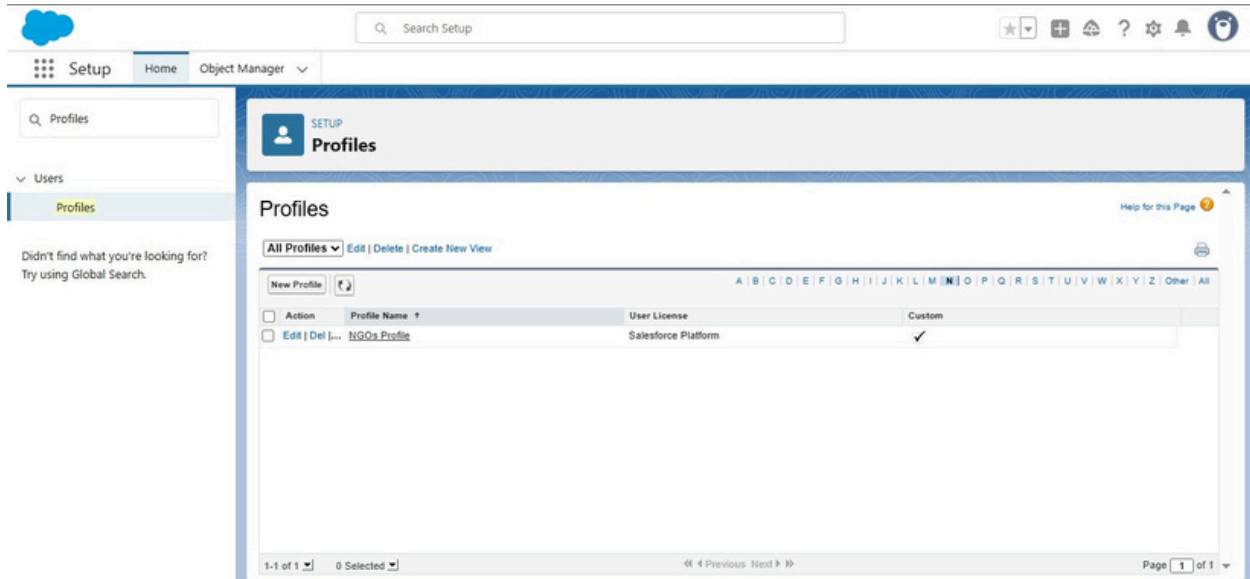
Creating Flows and How it works:

First the flow starts and flows to Venue Details screen element, now the screen element gathers the details of Venues.

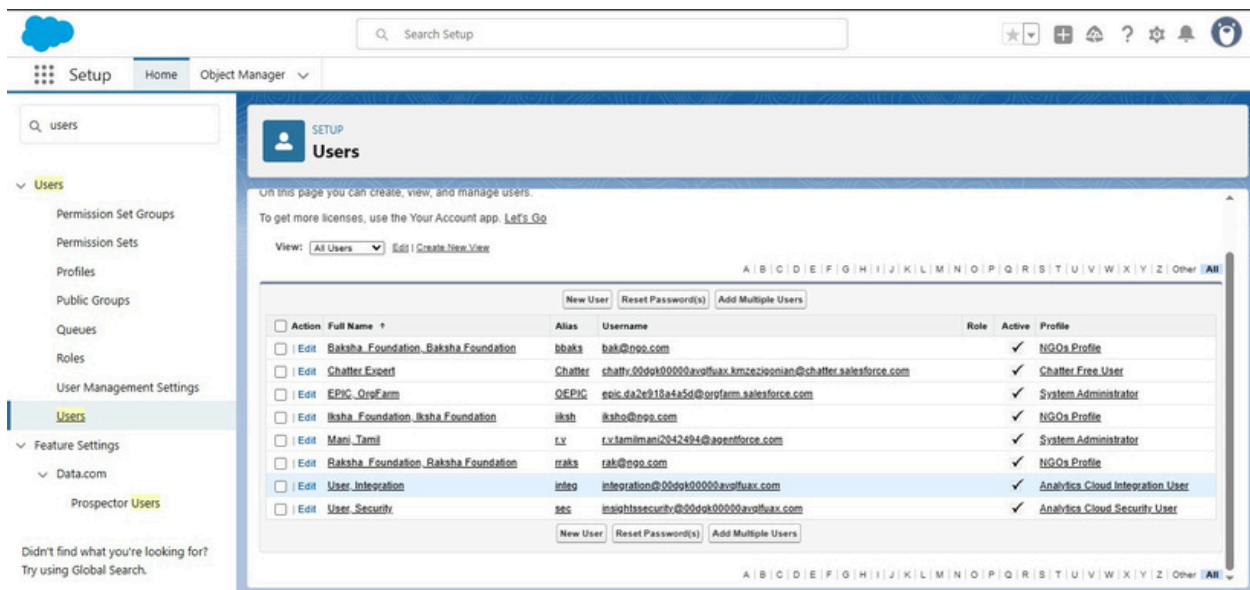


The flow flows to Records, This Record named “Create venue record” is used to store the details of the venue.

Created the NGOs profile...



Created the three users... named iksha Foundation, Raksha Foundation, Baksha Foundation.



Created some public groups...

Setup Home Object Manager

Search Setup

public groups

Users

Public Groups

Didn't find what you're looking for? Try using Global Search.

Public Groups

A public group is a set of users. It can contain individual users, other groups, the users in a particular role or territory, or the users in a role or territory plus all of the users below that role or territory in the hierarchy.

View: All Edit Create New View

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Action	Label	Group Name	Created By	Created Date
Edit Del	Raksha	Raksha	Mani, Tamil	9/6/2025, 6:26 AM
Edit Del	Rakha	Rakha	Mani, Tamil	9/6/2025, 6:25 AM
Edit Del	Raksha	Raksha	Mani, Tamil	9/6/2025, 6:25 AM

We have successfully created report types...

Setup Home Object Manager

Search Setup

Report types

Feature Settings

Analytics

Reports & Dashboards

Report Types

Didn't find what you're looking for? Try using Global Search.

Venue with DropOff with Volunteer

Below is the information for this custom report type. You can click the buttons on this to preview or update information for the custom report type.

Preview Layout Edit Layout Clone Delete Close

Details

Display Label: Venue with DropOff with Volunteer

API Name: Venue_with_DropOff_with_Volunteer

Description: Venue with DropOff with Volunteer

Created By: Tamil Mani, 9/6/25, 7:14 PM

Store in Category: other

Deployment Status: Deployed

Modified By: Tamil Mani, 9/6/25, 7:14 PM

Fields

Source Object	Included Fields
Venues	13
Drop-Off Points	13
Volunteers	16

Object Relationships

Venues (A)

with or without related records from Drop-Off Points (B)

with or without related records from Volunteers (C)

Created reports:

FoodConnect

Home Venues Drop-Off Points Tasks Volunteers Execution Details Reports

Reports

Recent

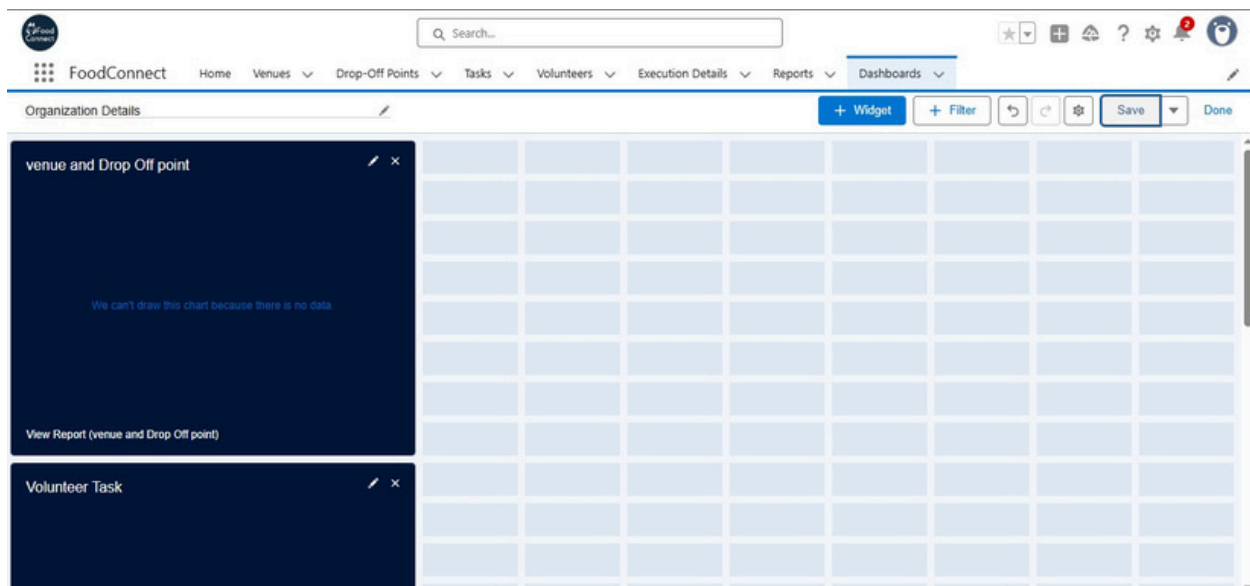
2 items

Search recent reports...

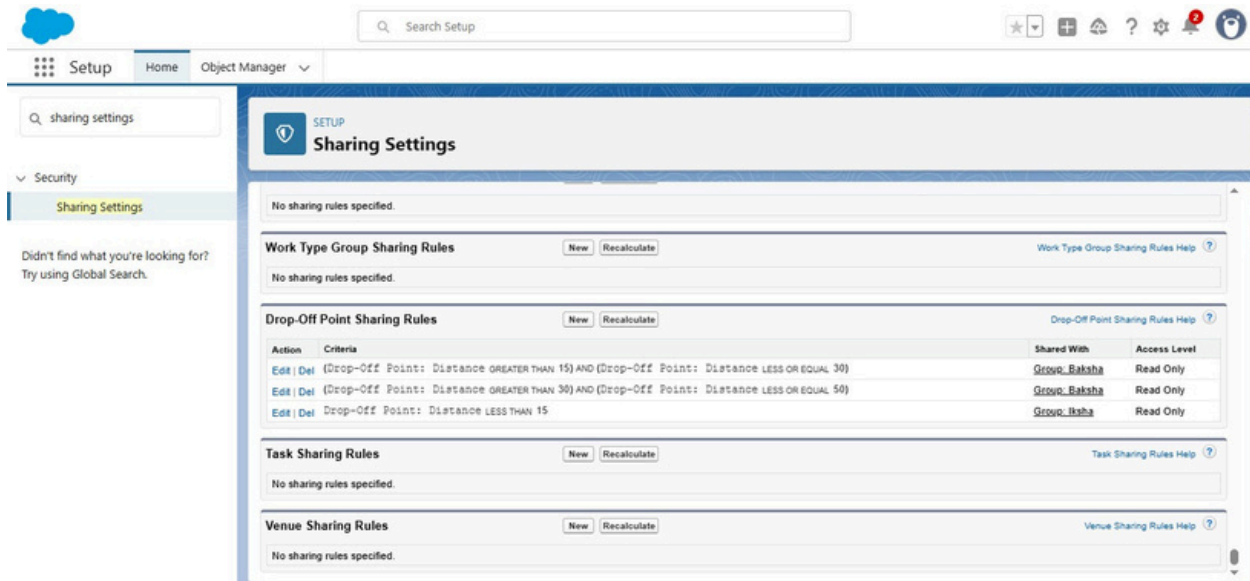
New Report New Folder

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Volunteer Task		Custom Reports	Tamil Mani	9/6/2025, 7:24 AM	
Created by Me	venue and Drop Off point		Custom Reports	Tamil Mani	9/6/2025, 7:00 AM	
Private Reports						
Public Reports						
All Reports						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						

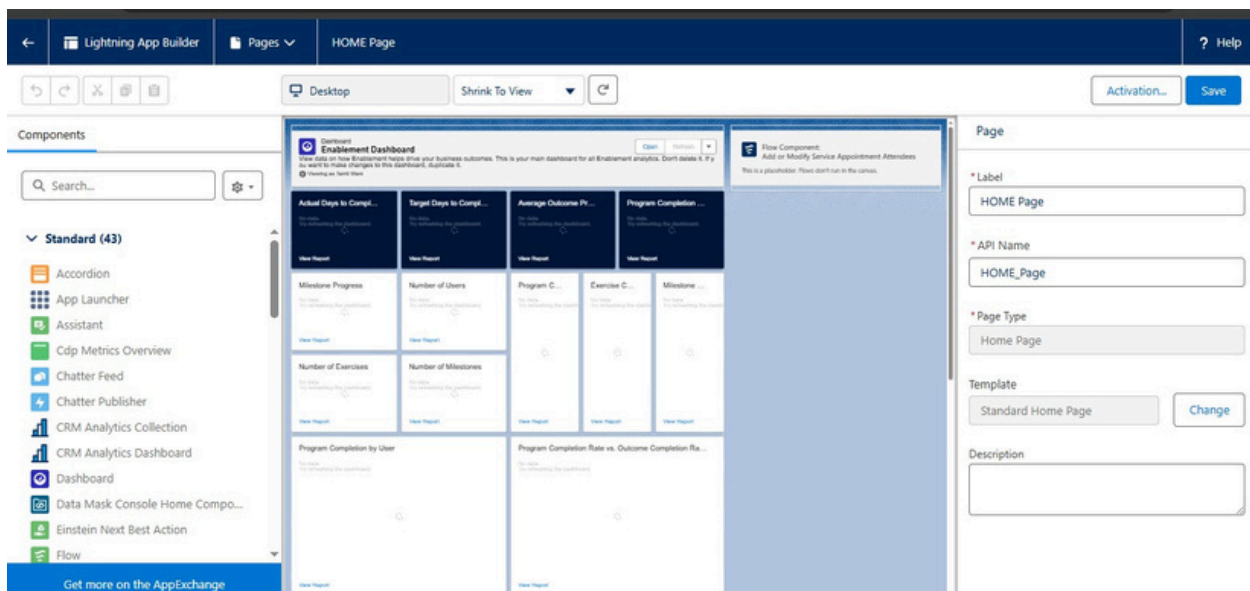
Created reports for the dashboards, with the reports we were able to give charts..



Sharing rules are used to efficiently share the food reserves with public volunteers to supply for the poor the app manages the calculation by itself.



Home page of the Food Connect...



Codes:

Creating a trigger:

creating a trigger to automatically calculate distance when entered...



Testing the App:

Testing to see if the app works, giving some data to the object to see if the Tabs in the App works. It works like a butter.

FoodConnect

Home Venues Drop-Off Points Tasks **Volunteers** Execution Details Reports Dashboards

Q Search...

★

+

🔍

?

⚙️

🔔

👤

Volunteers

Recently Viewed

New Import Assign Label

2 items • Updated a few seconds ago

Q Search this list...

⚙️

🗑️

🔄

✎

🔍

▼

	<input type="checkbox"/> Volunteer Name	
1	<input type="checkbox"/> Baaksha	<div><div>✎</div><div>▼</div></div>
2	<input type="checkbox"/> Ravi	<div><div>▼</div></div>

FoodConnect

Home Venues **Drop-Off Points** Tasks Volunteers Execution Details Reports Dashboards

Q Search...

★

+

🔍

?

⚙️

🔔

👤

Drop-Off Points

Recently Viewed

New Import Change Owner Assign Label

1 item • Updated a few seconds ago

Q Search this list...

⚙️

🗑️

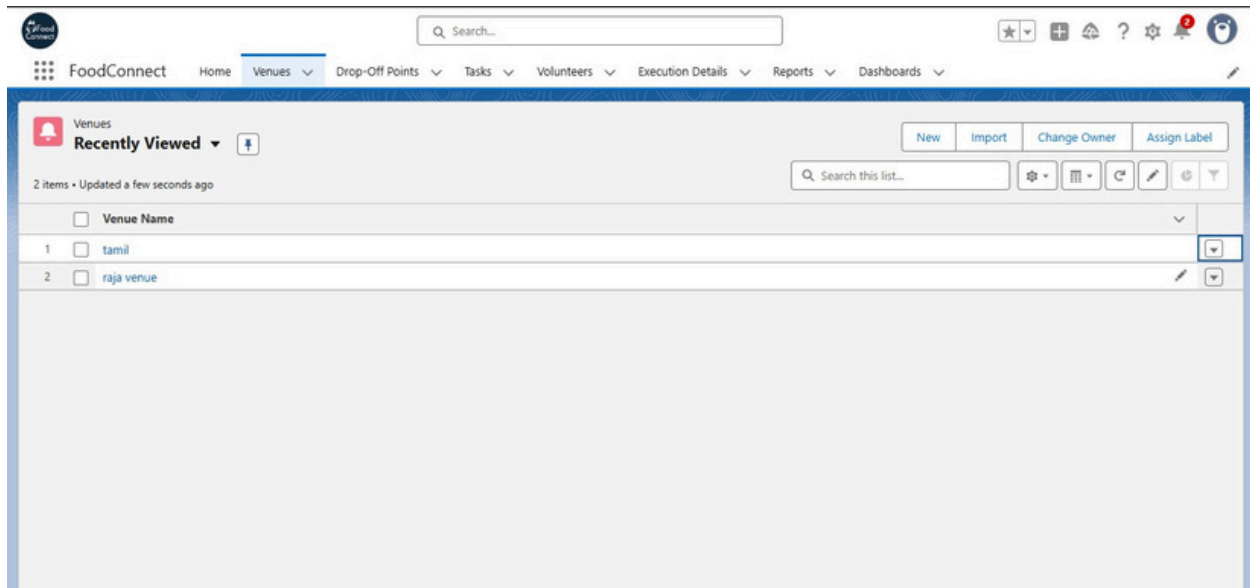
🔄

✎

🔍

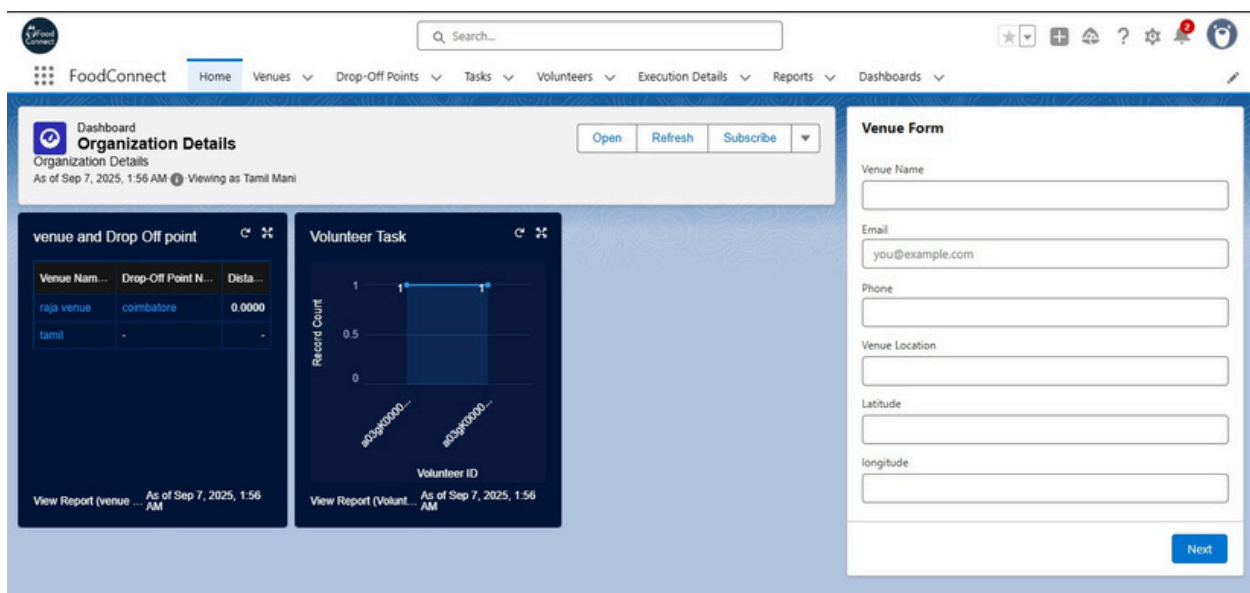
▼

	<input type="checkbox"/> Drop-Off Point Name	
1	<input type="checkbox"/> coimbatore	<div><div>▼</div></div>



The data are adding without any problem. Testing complete..

Output:



Conclusion:

The CRM project successfully demonstrates how technology can be used to connect food donors, volunteers, and NGOs to ensure that leftover food is efficiently distributed to the underprivileged. While not all planned features could be fully implemented within the given time, the application establishes the foundation for donor and volunteer management, task tracking, and execution monitoring.

The project highlights the potential of CRM systems in reducing food wastage and supporting social impact initiatives. Future enhancements can focus on expanding reporting capabilities, strengthening relationships between objects, and integrating automation to improve scalability and efficiency.