

# To Supply Leftover Food to Poor

College name: Vidyasagar College of Arts and Science

College Code: bru30

Team ID: NM2025TMID26858

Team Members:

Team LeaderName: TAMILMANI R V

Email: [r.v.tamilmani2042@gmail.com](mailto:r.v.tamilmani2042@gmail.com)

Team Member1: MANJUNATH S

Email: manjunaths231036@gmail.com

Team Member2: MONISHA S

Email: monishas231038@gmail.com

Team Member3: NISHA P

Email: nishap231040@gmail.com

Team Member4: VARUNKUMAR A

## 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>

Document 3.docx x Home | Salesforce x Platform Login Credentials - Pr x Developer Edition with Agentfo x +

salesforce.com/form/developer-signup/?d=pb

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Steps  
1 Select Type

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First name Last name  
Tamil Mani


Job title Work email  
Developer r.v.tamilmani2042@g

Company Country/Region  
Vidyasagar college of India








Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud Infrastructure.

☐ 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/app#/s...



Search Setup



SetupHomeObject Manager

SETUP > OBJECT MANAGER

Execution Detail

Details

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Execution Details

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✓

Track Field History

✓

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

EditDelete

https://orgfarm-2730631446-dev-ed.develop.lightning.force.com/one/app#/setup/ObjectManager/01lgK0000023zdh/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

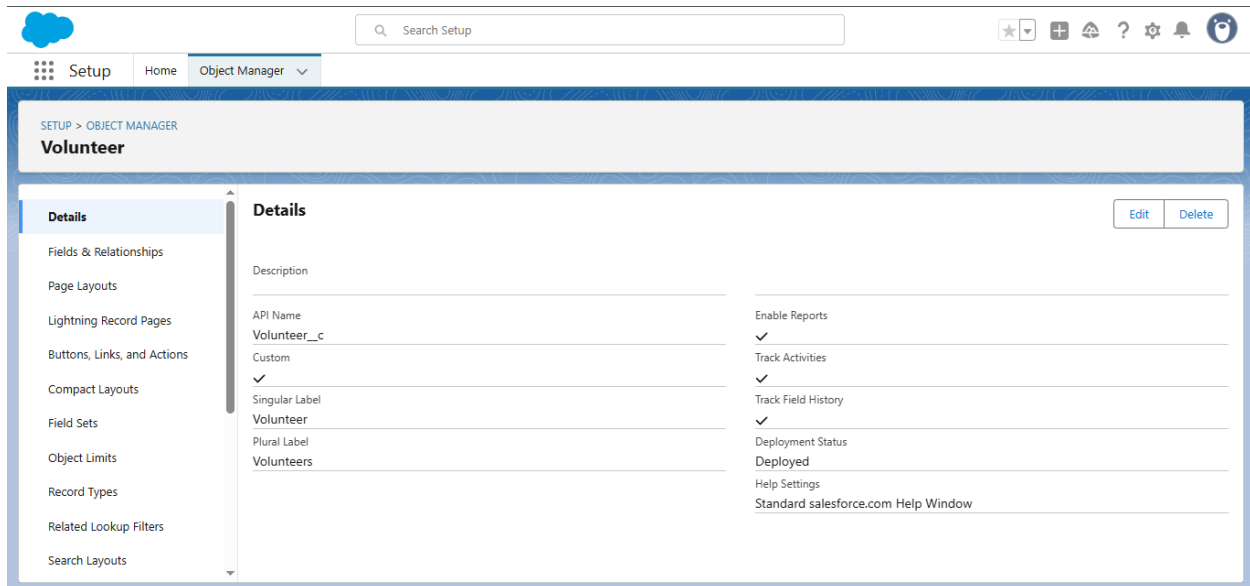
✓

Deployment Status

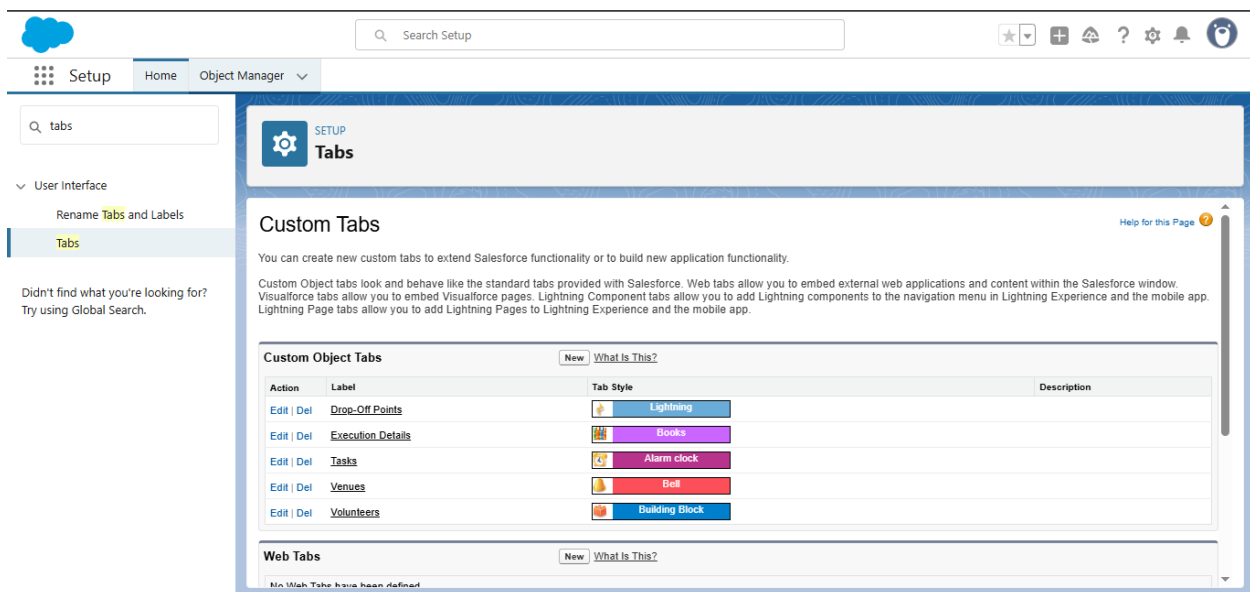
Deployed

Help Settings

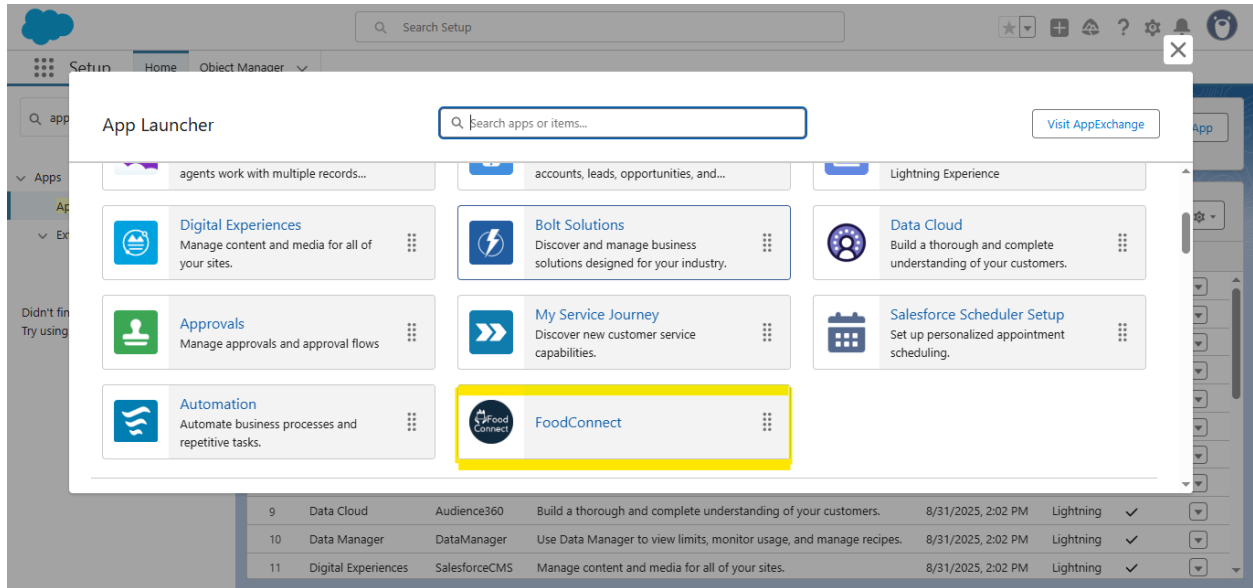
Standard salesforce.com Help Window



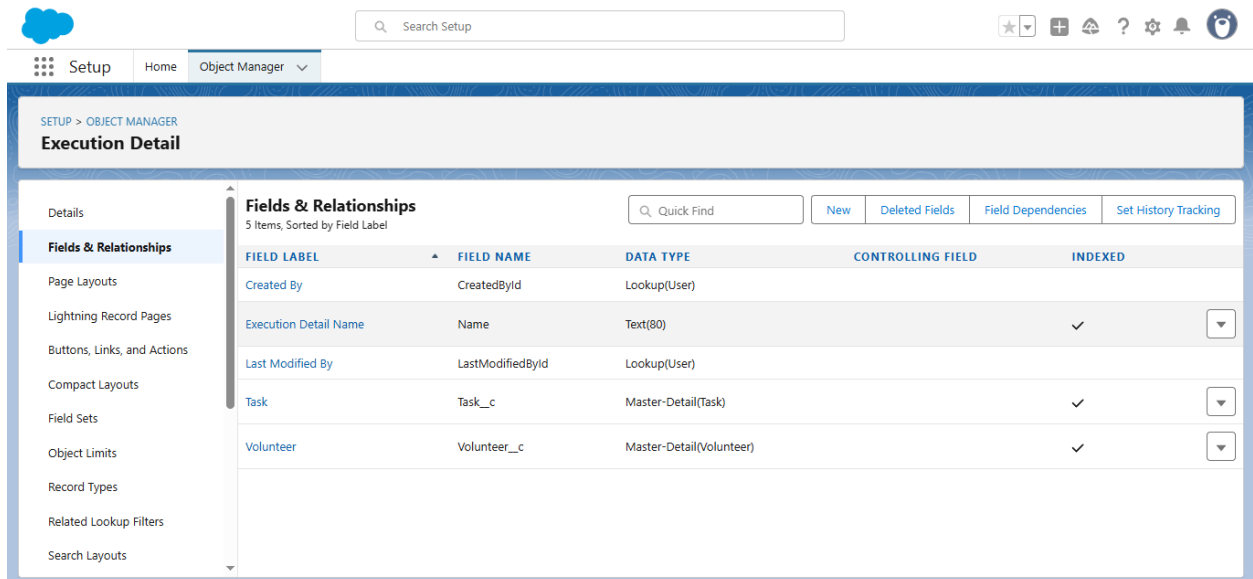
Created Tabs for Venue, Drop-off point, Task, Volunteer, Execution Detail.



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

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)		✓

confirm: 2730631646; dev: add dev icon lightning force.com/lightning/setup/.../view

Setup Home Object Manager

Search Setup

Setup > OBJECT MANAGER

### Volunteer

Details

**Fields & Relationships**

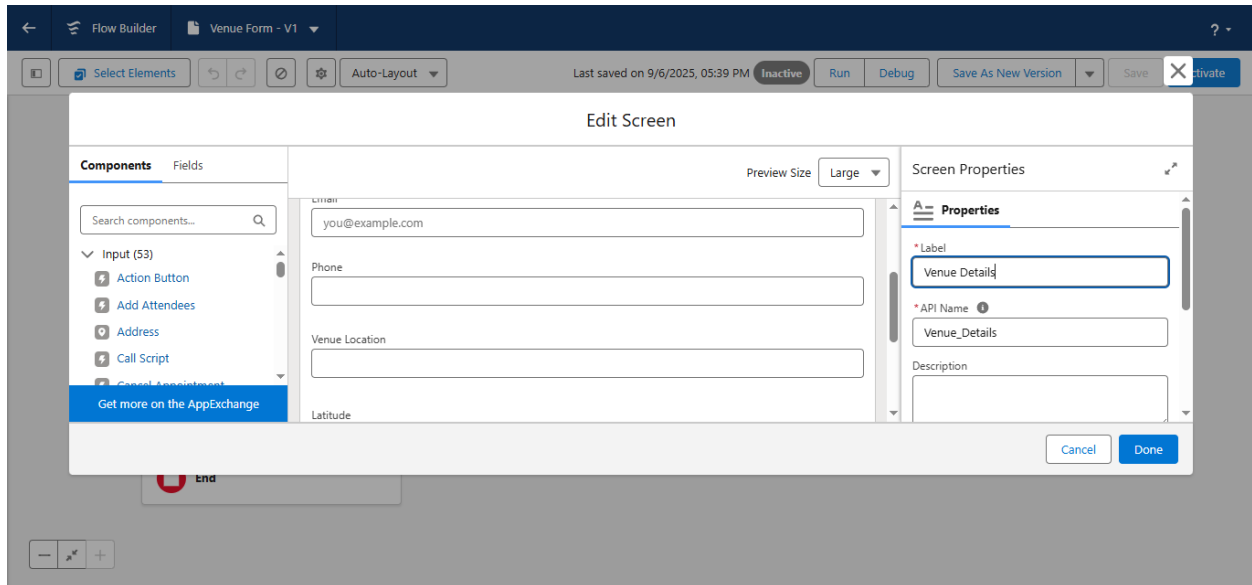
13 Items, Sorted by Field Label

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)		

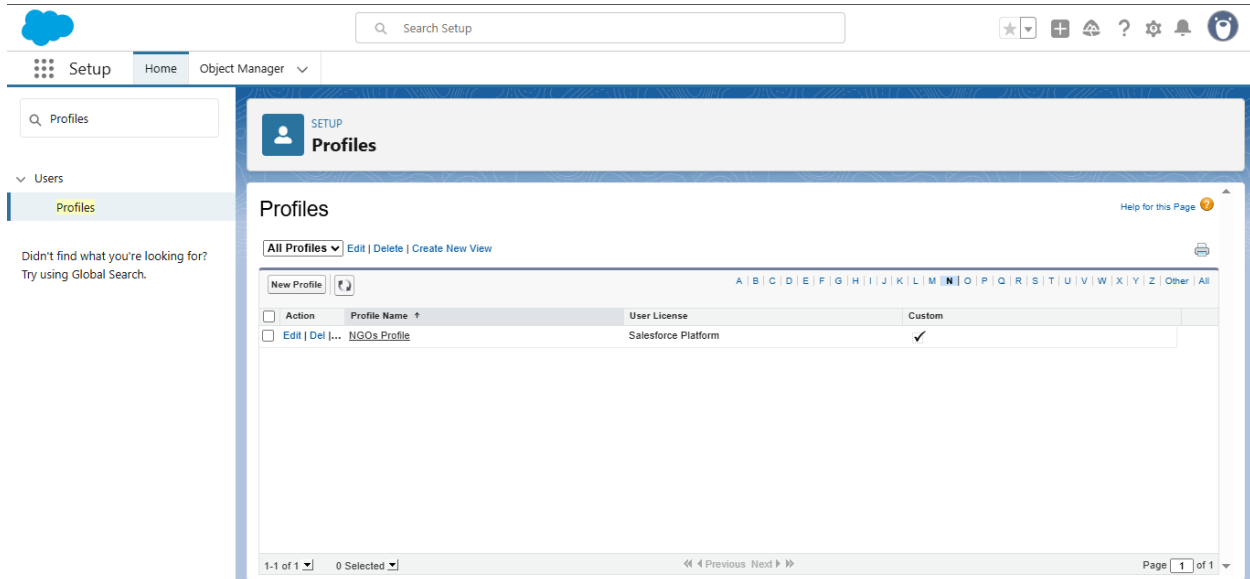
Creating Flows and How it works:

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

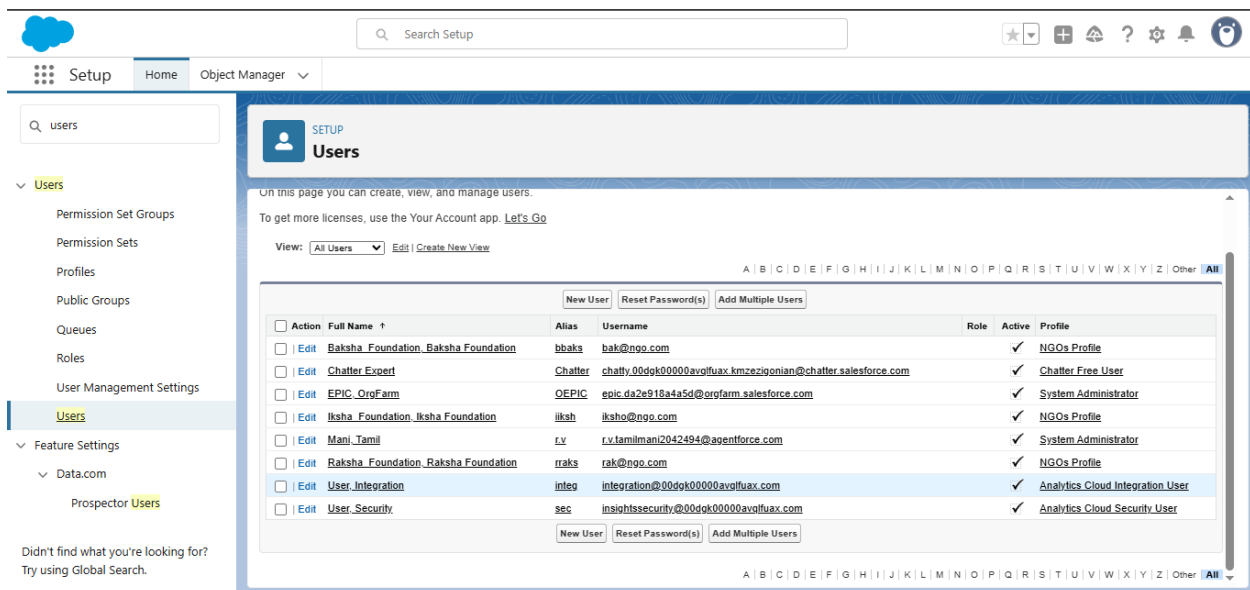


The flow flows to Records, This Record named “Create venue record” is used to store the details of the venue.

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

Help for this Page

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

New

Action	Label ↑	Group Name	Created By	Created Date
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">Baksha</a>	<a href="#">Baksha</a>	<a href="#">Mani, Tamil</a>	9/6/2025, 6:26 AM
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">Iksha</a>	<a href="#">Iksha</a>	<a href="#">Mani, Tamil</a>	9/6/2025, 6:25 AM
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">Baksha</a>	<a href="#">Baksha</a>	<a href="#">Mani, Tamil</a>	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

Preview Layout

Edit Layout

Clone

Delete

Close

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

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)

A B C

A

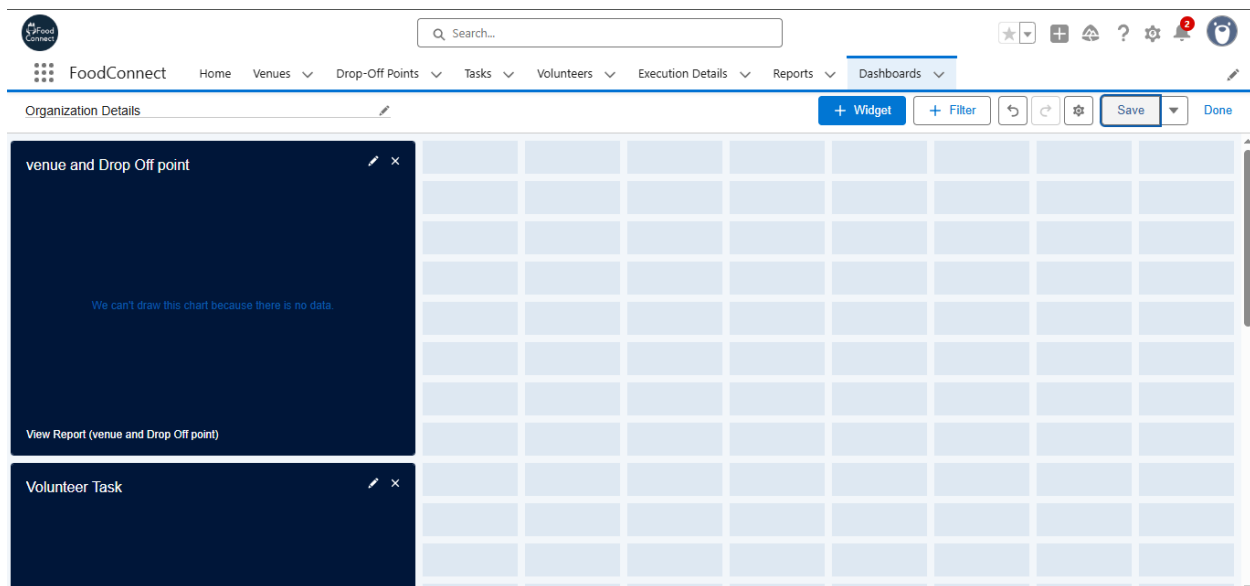
B

C

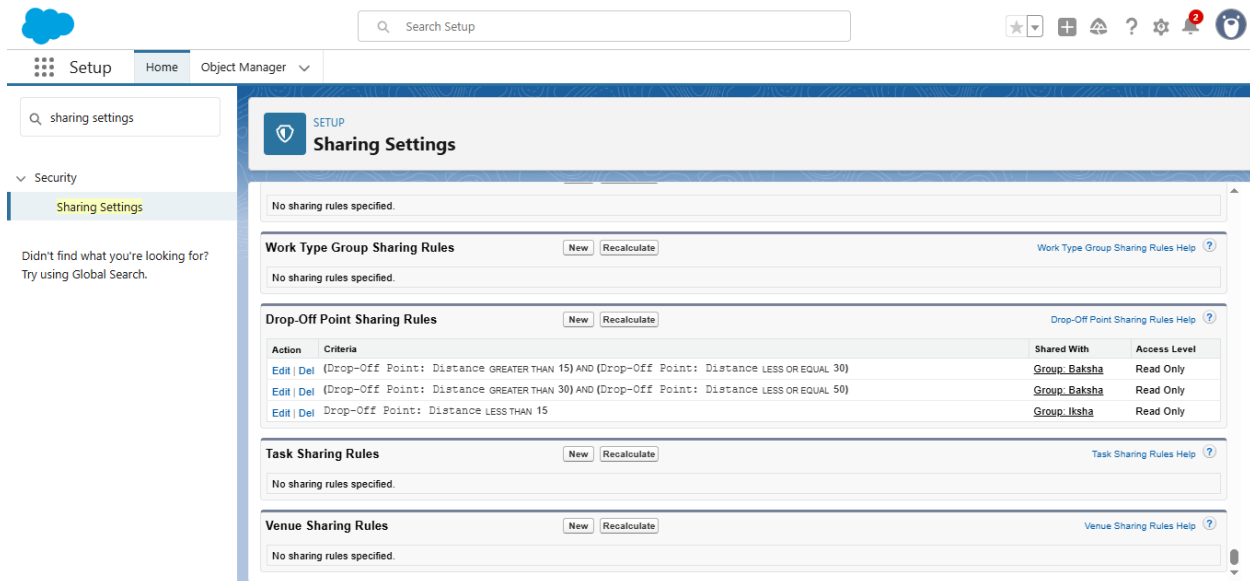
Created reports:

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	

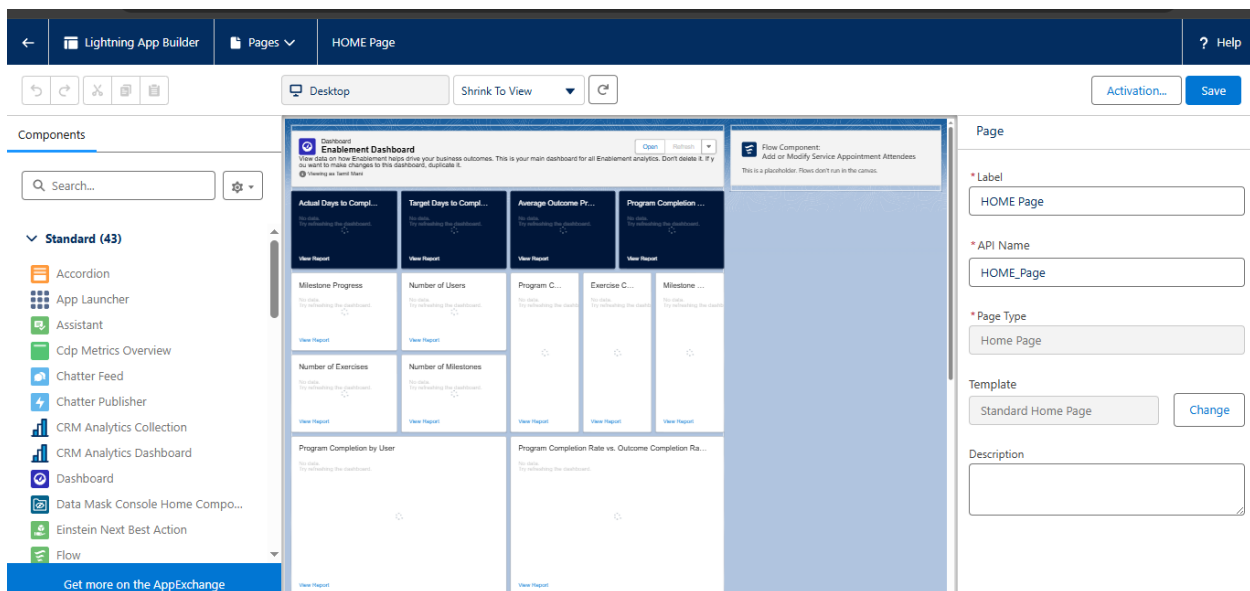
Created reports for the dashboards, with the reports we were able to give charts..



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...

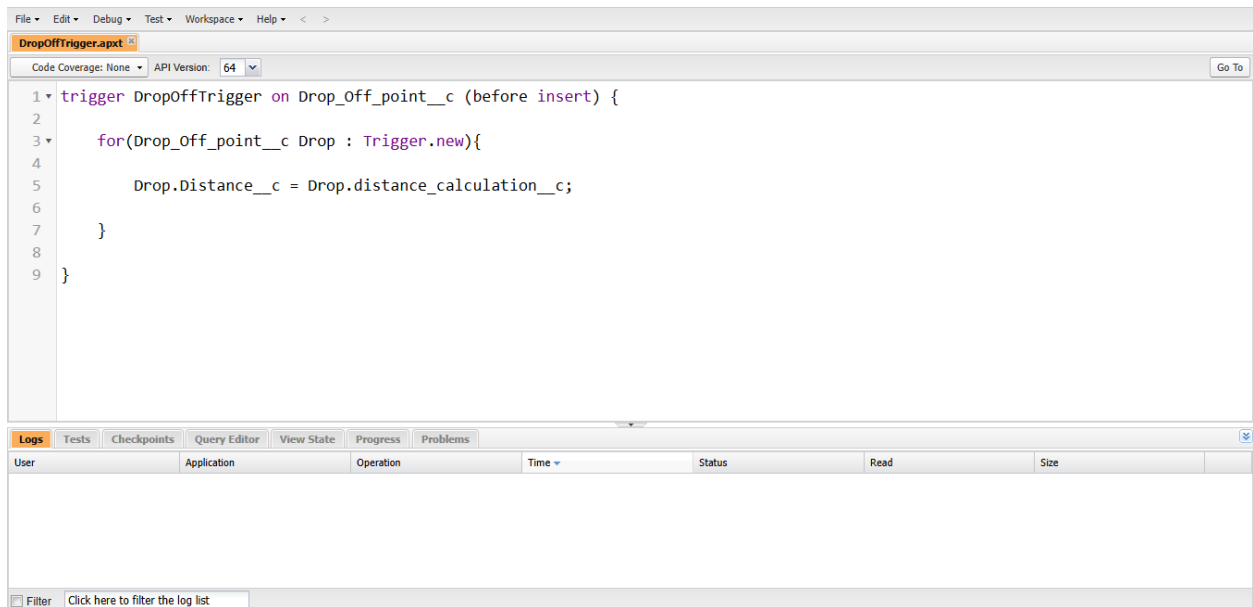


So, I had problems with the data visibility, but I fixed it by changing the visibility of the field in the object, we can see working home page in the output.

Codes :

## Creating a trigger:

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



I had an error in the API name, the API name was not present. I didn't have a Distance object, I solved the error by creating the object with the exact API Name.

## 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

Search...

★

+

🔊

?

⚙️

🔔

👤

Volunteers

Recently Viewed

New Import Assign Label

2 items • Updated a few seconds ago

Search this list...

⚙️

📄

🔄

✎

🔄

⌵

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

FoodConnect

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

Search...

★

+

🔊

?

⚙️

🔔

👤

Drop-Off Points

Recently Viewed

New Import Change Owner Assign Label

1 item • Updated a few seconds ago

Search this list...

⚙️

📄

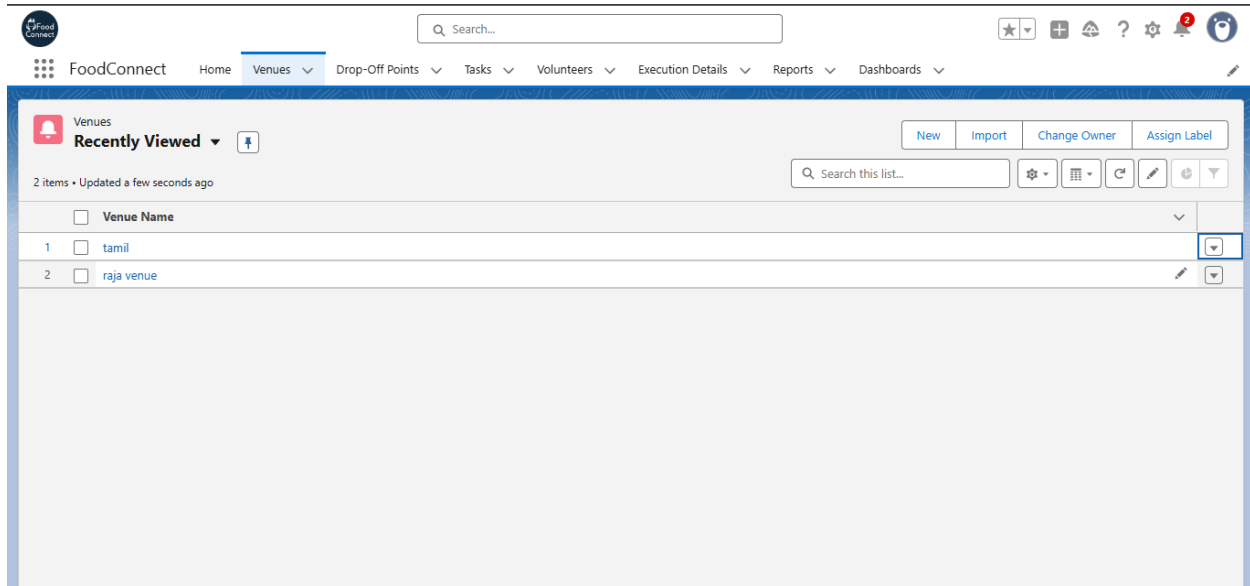
🔄

✎

🔄

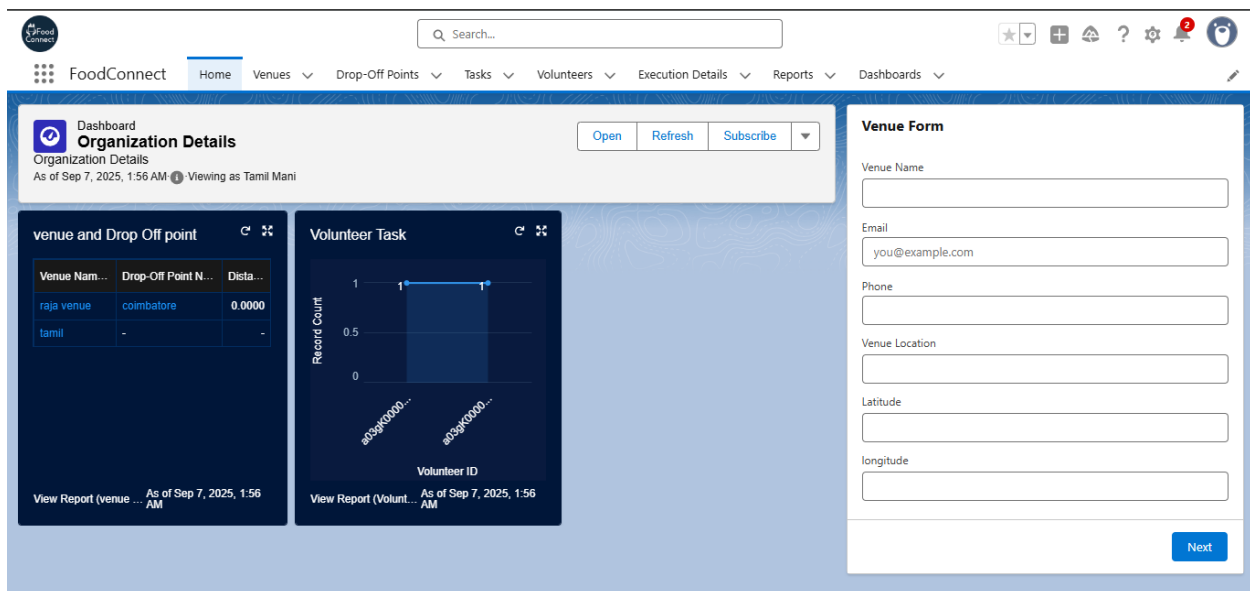
⌵

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