

To Supply Leftover Food To Poor

College Name: Shri Nehru Maha Vidyalaya College Of Arts & Science.

TEAM ID: NM2025TMID20601

TEAM MEMBERS:

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1.INTRODUCTION

1.1 Project Overview

The project aims to connect **restaurants, events, and households with surplus food** to **NGOs and volunteers** using Salesforce. The goal is to reduce food wastage and ensure leftover food reaches poor and needy people efficiently.



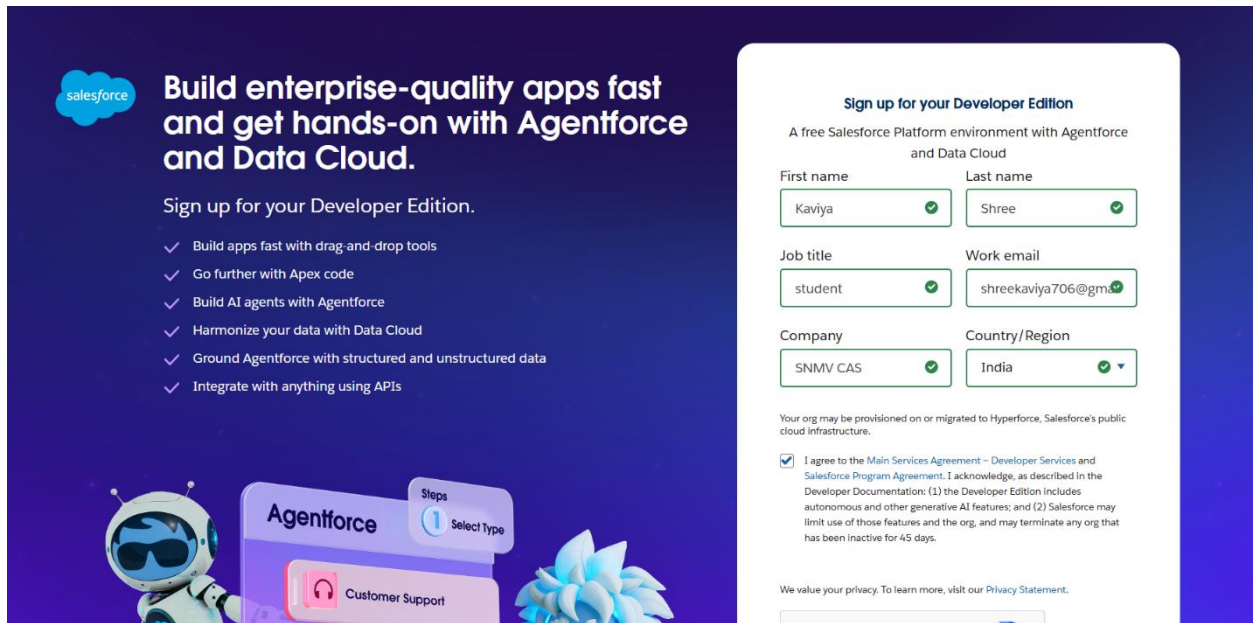
1.2 Purpose

- Reduce food wastage by collecting surplus from restaurants, events, and households.
- Distribute leftover food to poor and needy communities efficiently.
- Use Salesforce to track donors, manage drop-off points, and monitor impact.
- Generate dashboards and reports to measure outreach and effectiveness.
- Promote social responsibility by connecting donors, NGOs, and volunteers seamlessly.

DEVELOPMENT PHASE

Creating Developer Account:

By using this URL - <https://www.salesforce.com/form/developer-signup/?d=pb>



The image shows the Salesforce Developer Edition signup form. On the left, there's a promotional banner with the Salesforce logo and 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 of the banner is an illustration of a robot and a "Customer Support" button. On the right, the form itself is titled "Sign up for your Developer Edition" and describes it as "A free Salesforce Platform environment with Agentforce and Data Cloud." The form fields are: "First name" (Kaviya), "Last name" (Shree), "Job title" (student), "Work email" (shreekaviya706@gmail.com), "Company" (SNMV CAS), and "Country/Region" (India). There's a checkbox for "I agree to the Main Services Agreement - Developer Services and Salesforce Program Agreement" which is checked. At the bottom, it says "We value your privacy. To learn more, visit our Privacy Statement."

Sign up for your Developer Edition
A free Salesforce Platform environment with Agentforce and Data Cloud.

First name: Kaviya ✓ Last name: Shree ✓

Job title: student ✓ Work email: shreekaviya706@gmail.com ✓

Company: SNMV CAS ✓ Country/Region: India ✓

☒ 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.

We value your privacy. To learn more, visit our [Privacy Statement](#).

OBJECT:

- **Created Objects:**

- ✓ Venue
- ✓ Drop-Off Point
- ✓ Task
- ✓ Volunteer
- ✓ Execution Detail

Setup

Home

Object Manager

Search Setup

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

Details

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

Edit

Delete

Setup

Home

Object Manager

Search Setup

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

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

Edit

Delete

Setup

Home

Object Manager

Search Setup

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

Details

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

Edit

Delete



Search Setup



SetupHomeObject Manager

SETUP > OBJECT MANAGER

Volunteer

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Details

Description

API Name

Volunteer_c

Custom

✓

Singular Label

Volunteer

Plural Label

Volunteers

Enable Reports

✓

Track Activities

✓

Track Field History

✓

Deployment Status


Deployed

Help Settings







Standard salesforce.com Help Window

EditDelete

Created Tabs:



Search Setup



SetupHomeObject Manager

tabs

User Interface

Rename Tabs and Labels

Tabs

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

SETUP

Tabs

Custom Tabs






Help for this Page

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.

Custom Object Tabs

NewWhat Is This?

Action	Label	Tab Style	Description
Edit Del	Drop-Off Points	 Bridge	
Edit Del	Execution Details	 Camera	
Edit Del	Tasks	 Guitar	
Edit Del	Venues	 Boat	
Edit Del	Volunteers	 Flag	

Web Tabs

NewWhat Is This?

No Web Tabs have been defined

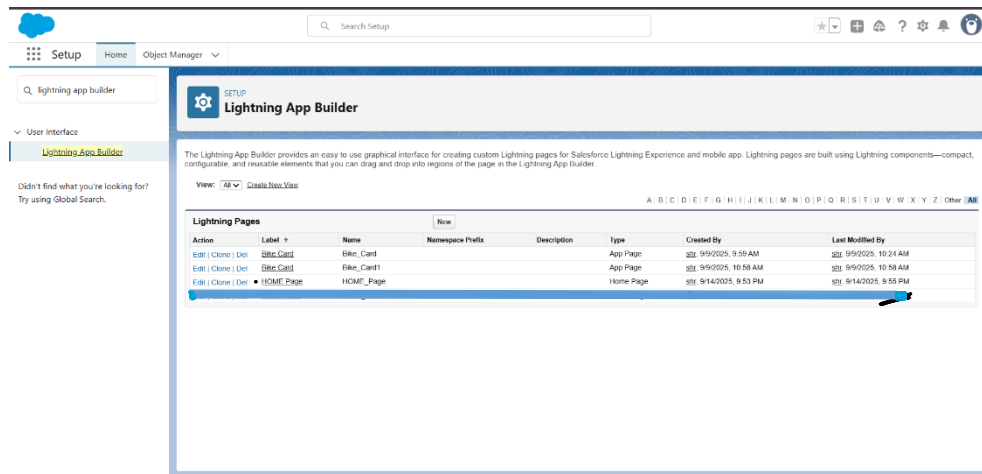
Visualforce Tabs

NewWhat Is This?

No Visualforce Tabs have been defined

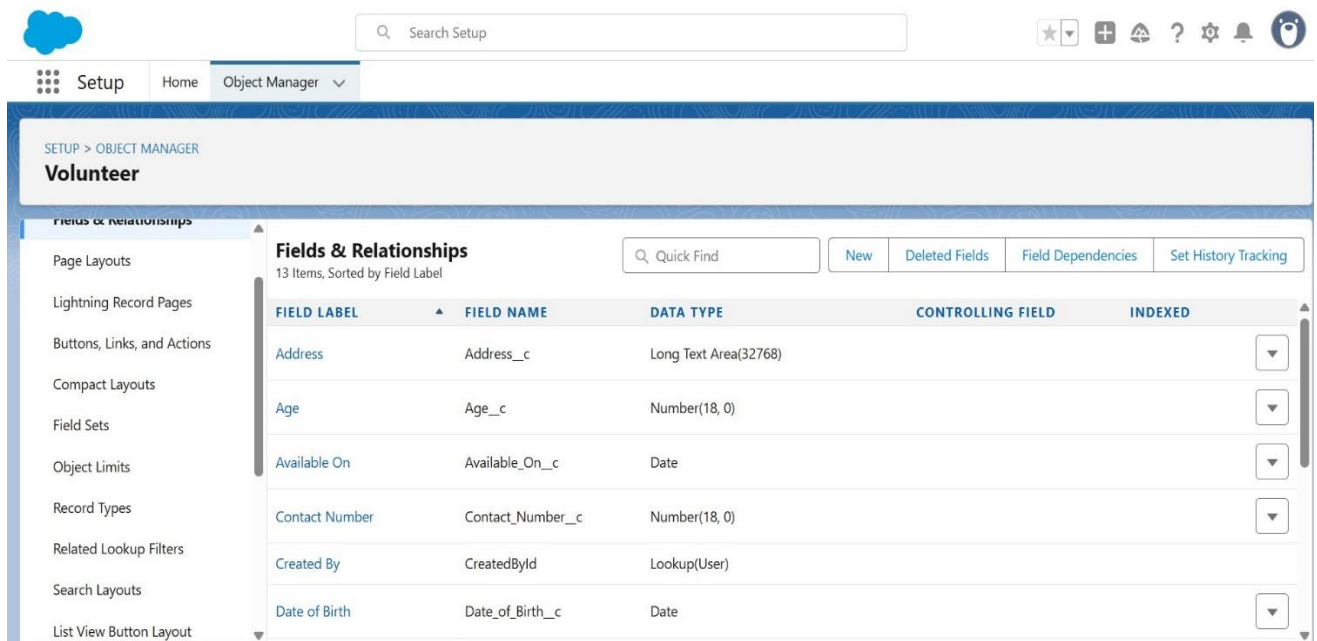
Created a Lightning App:

>>>Created a Home_Page

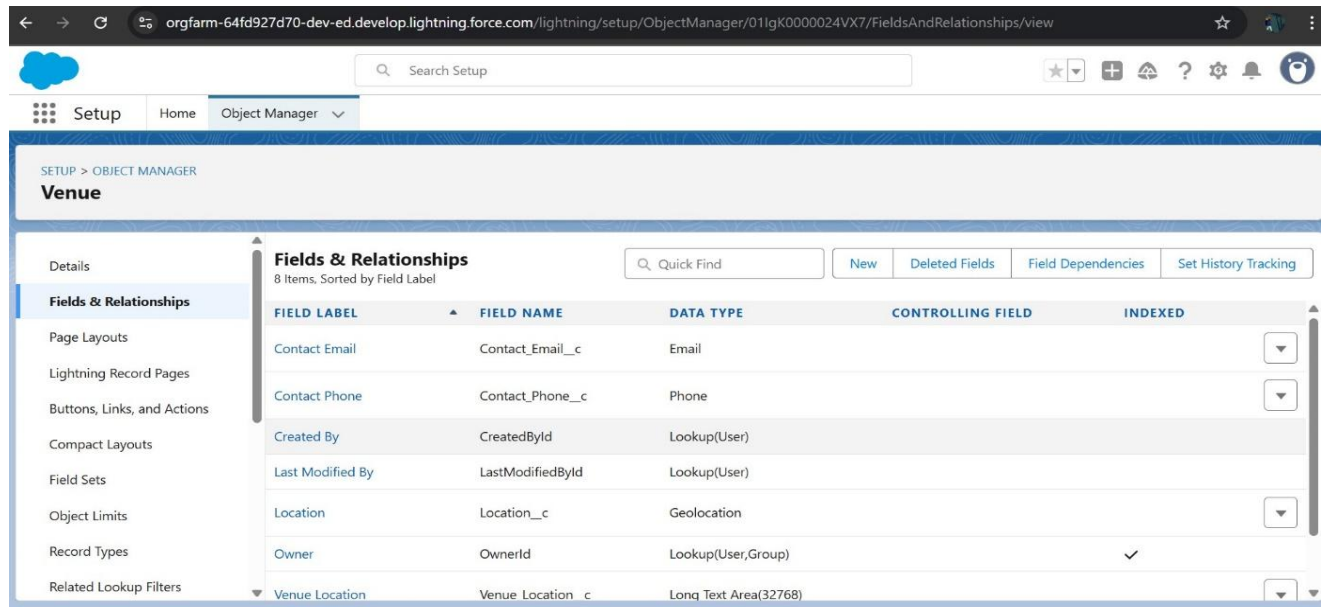


FIELDS:

>>> Creation of Relationship fields in objects



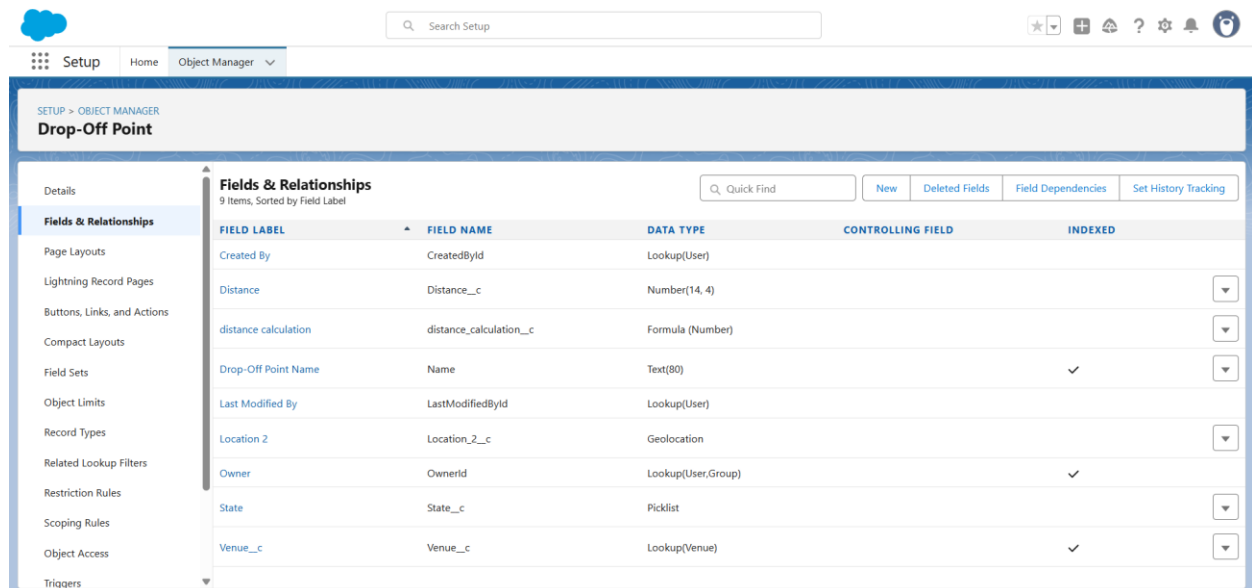
>>> Creation of fields for the Venue object



The screenshot shows the Salesforce Setup interface for the 'Venue' object. The 'Fields & Relationships' section is active, displaying a list of 8 fields. The left sidebar shows the navigation menu with 'Fields & Relationships' selected. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The main content area has a search bar and buttons for 'New', 'Deleted Fields', 'Field Dependencies', and '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)		

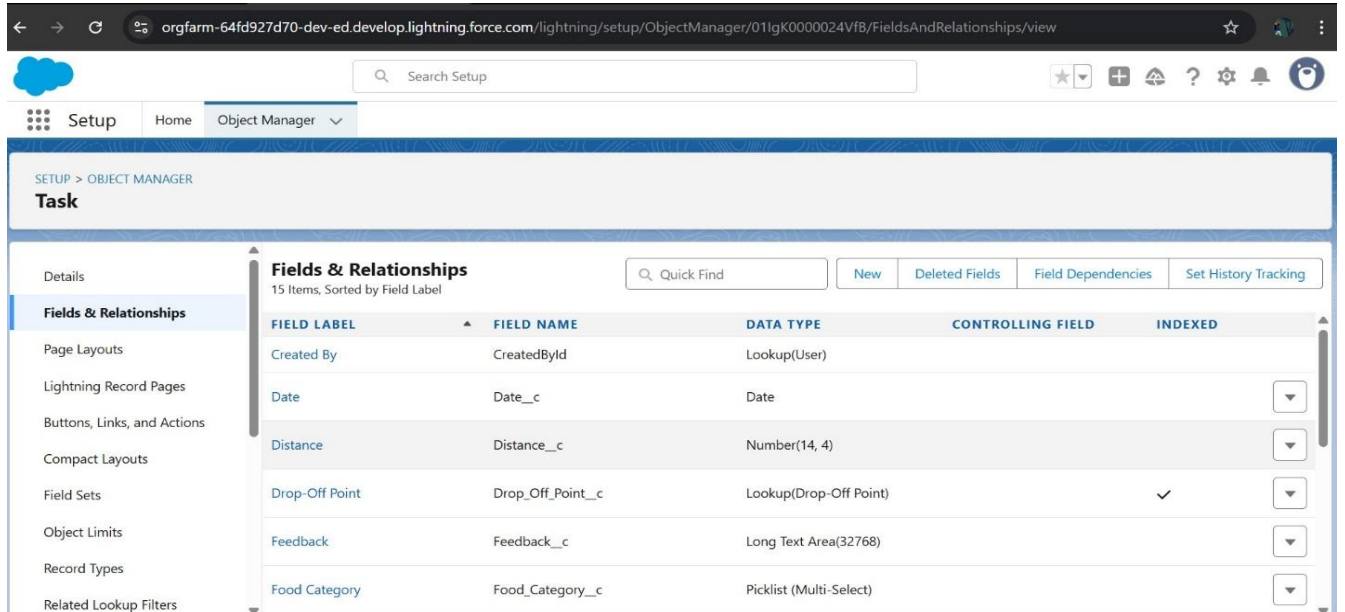
>>>> Creation of fields for the Drop-Off point object



The screenshot shows the Salesforce Setup interface for the 'Drop-Off Point' object. The 'Fields & Relationships' section is active, displaying a list of 9 fields. The left sidebar shows the navigation menu with 'Fields & Relationships' selected. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The main content area has a search bar and buttons for 'New', 'Deleted Fields', 'Field Dependencies', and 'Set History Tracking'.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Distance	Distance__c	Number(14, 4)		
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__c	Venue__c	Lookup(Venue)		✓

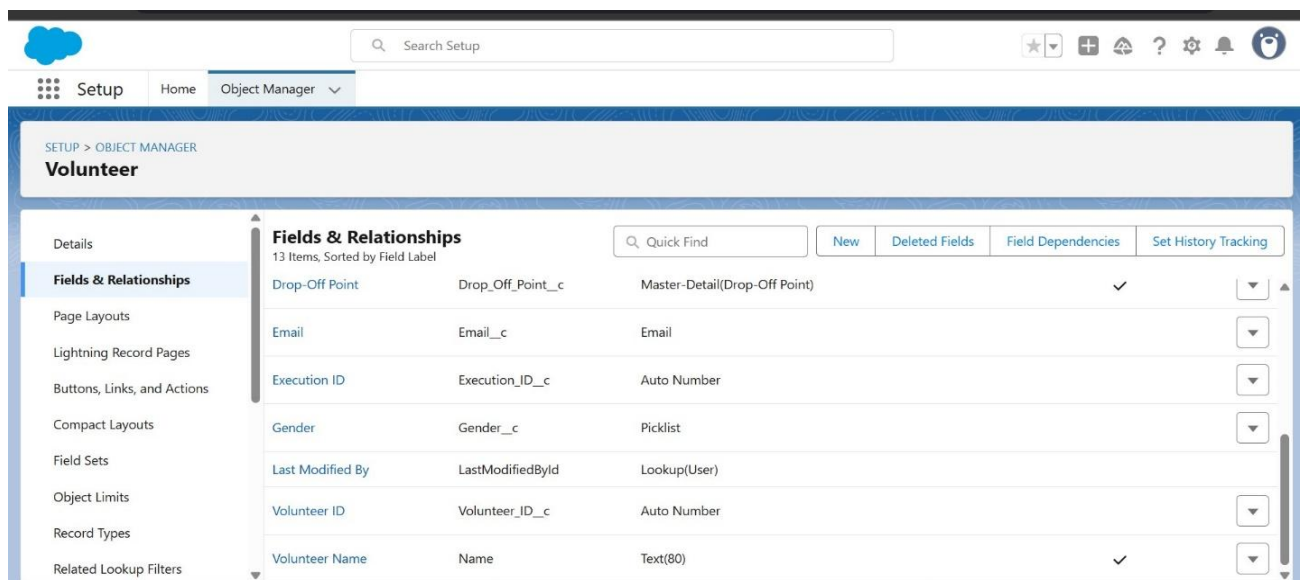
- Creation of fields for the Task object



The screenshot shows the Salesforce Setup interface for the Task object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'Task' and 'Fields & Relationships', showing 15 items sorted by Field Label. A table lists the fields with columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Created By (CreatedBy, Lookup(User)), Date (Date_c, Date), Distance (Distance_c, Number(14, 4)), Drop-Off Point (Drop_Off_Point_c, Lookup(Drop-Off Point), checked), Feedback (Feedback_c, Long Text Area(32768)), and Food Category (Food_Category_c, Picklist (Multi-Select)).

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Date	Date_c	Date		
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)		

- Creation of fields for the Volunteer object



The screenshot shows the Salesforce Setup interface for the Volunteer object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'Volunteer' and 'Fields & Relationships', showing 13 items sorted by Field Label. A table lists the fields with columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Drop-Off Point (Drop_Off_Point_c, Master-Detail(Drop-Off Point), checked), Email (Email_c, Email), Execution ID (Execution_ID_c, Auto Number), Gender (Gender_c, Picklist), Last Modified By (LastModifiedById, Lookup(User)), Volunteer ID (Volunteer_ID_c, Auto Number), and Volunteer Name (Name, Text(80), checked).

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
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)		
Volunteer ID	Volunteer_ID_c	Auto Number		
Volunteer Name	Name	Text(80)		✓

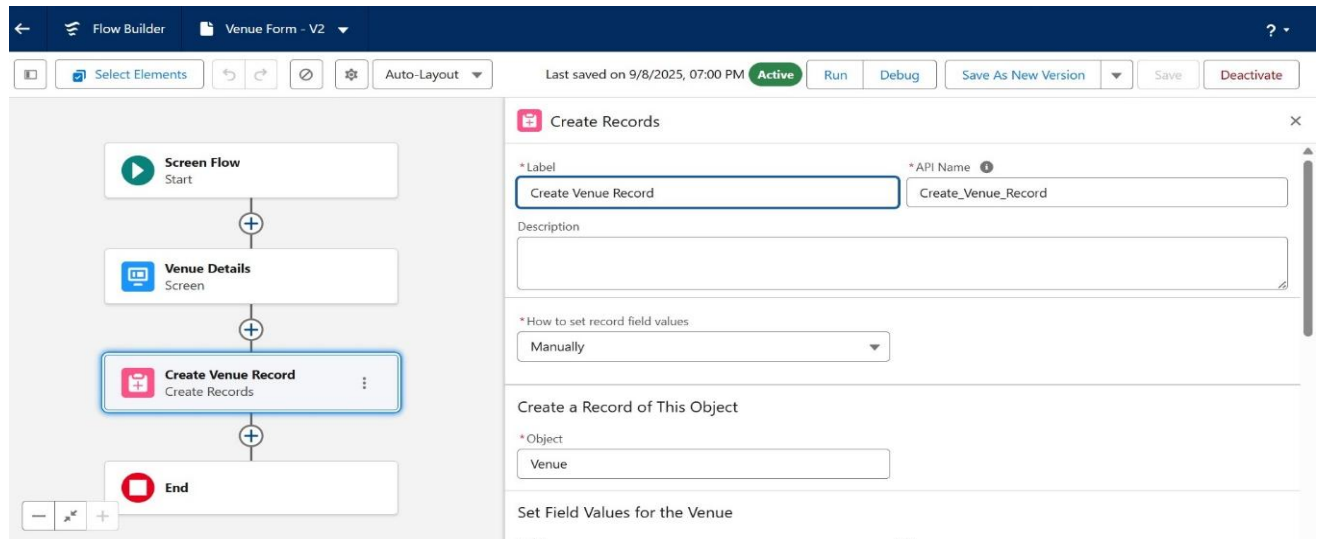
- **Creation of fields for the Execution Details object**

The screenshot shows the Salesforce Setup interface. The top navigation bar includes the Setup icon, a search bar, and various utility icons. The main navigation menu on the left lists various setup areas, with 'Object Manager' selected. The 'Execution Detail' object is chosen, and the 'Fields & Relationships' tab is active. A table lists the fields for this object, including 'Created By', 'Execution Detail Name', 'Execution ID', 'Last Modified By', 'Task', and 'Volunteer'. Each row shows the field label, name, data type, whether it's a controlling field, and if it's indexed. Action buttons like 'New', 'Deleted Fields', 'Field Dependencies', and 'Set History Tracking' are available at the top of the table.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Execution Detail Name	Name	Text(80)		✓
Execution ID	Execution_ID__c	Auto Number		
Last Modified By	LastModifiedById	Lookup(User)		
Task	Task__c	Master-Detail(Task)		✓
Volunteer	Volunteer__c	Master-Detail(Volunteer)		✓

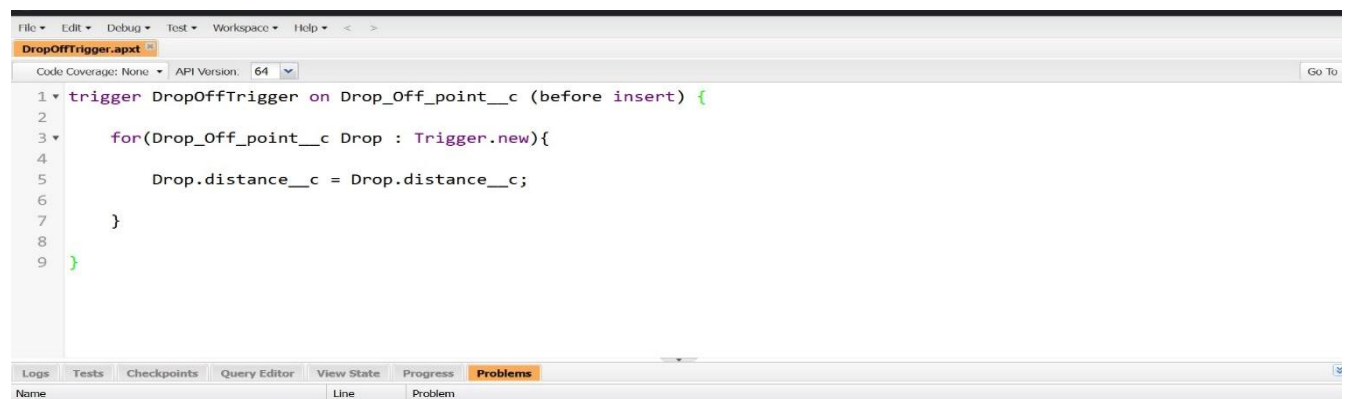
FLOWS:

Created Flow to create a record in Venue object



Trigger:

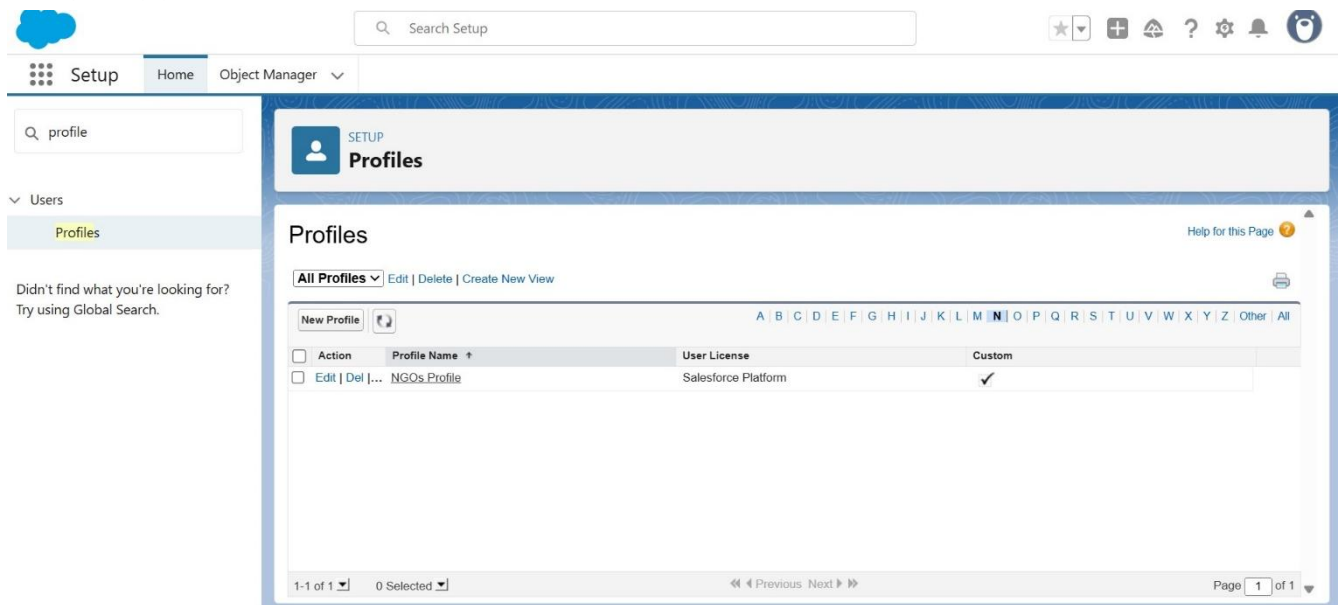
- Created a Trigger:



- **Trigger Code:**

```
trigger DropOffTrigger on Drop_Off_point__c (before insert) {
    for(Drop_Off_point__c Drop : Trigger.new) {
        Drop.Distance__c = Drop.distance__c;
    }
}
```

Profiles:



Search Setup

Setup Home Object Manager

Q profile

Users

Profiles

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

SETUP Profiles

Profiles Help for this Page

All Profiles Edit Delete Create New View

New Profile

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	Profile Name	User License	Custom
<input type="checkbox"/> Edit Del ...	NGOs.Profile	Salesforce Platform	<input checked="" type="checkbox"/>

1-1 of 1 0 Selected

Page 1 of 1

USER:

• Creation of Users:

>>> User 1, User 2 & User 3

The screenshot shows the Salesforce Setup interface for the 'Users' section. The left sidebar contains navigation links: Home, Object Manager, and a search bar. The main content area is titled 'All Users' and includes a description: 'On this page you can create, view, and manage users. To get more licenses, use the Your Account app. Let's Go'. Below this, there's a 'View: All Users' dropdown and a 'Create New View' link. A table lists existing users with columns for Action, Full Name, Alias, Username, Role, Active, and Profile. The table includes buttons for 'New User', 'Reset Password(s)', and 'Add Multiple Users'.

Action	Full Name	Alias	Username	Role	Active	Profile
Edit	Chatter Expert	Chatter	chatty.00dgk000009zchhuai.0w1db8euaaxi@chatter.salesforce.com		✓	Chatter Free User
Edit	EPIC_OrgFarm	OEPIIC	epic.5575beacde7b@orgfarm.salesforce.com		✓	System Administrator
Edit	Iksha_Foundation_Iksha Foundation	iksh	shreekaviya@gmail.com		✓	NGOs Profile
Edit	NSS_NSS	nss	nss.ks@gmail.com		✓	NGOs Profile
Edit	shree_Kaviya	shr	shreekaviya706859@ageniforce.com		✓	System Administrator
Edit	Street_Cause_Street_Cause	ssire	streetcase23@gmail.com		✓	NGOs Profile
Edit	User_Integration	integ	integration@00dgk000009zchhuai		✓	Analytics Cloud Integration User
Edit	User_Security	sec	insightssecurity@00dgk000009zchhuai		✓	Analytics Cloud Security User

Public Groups:

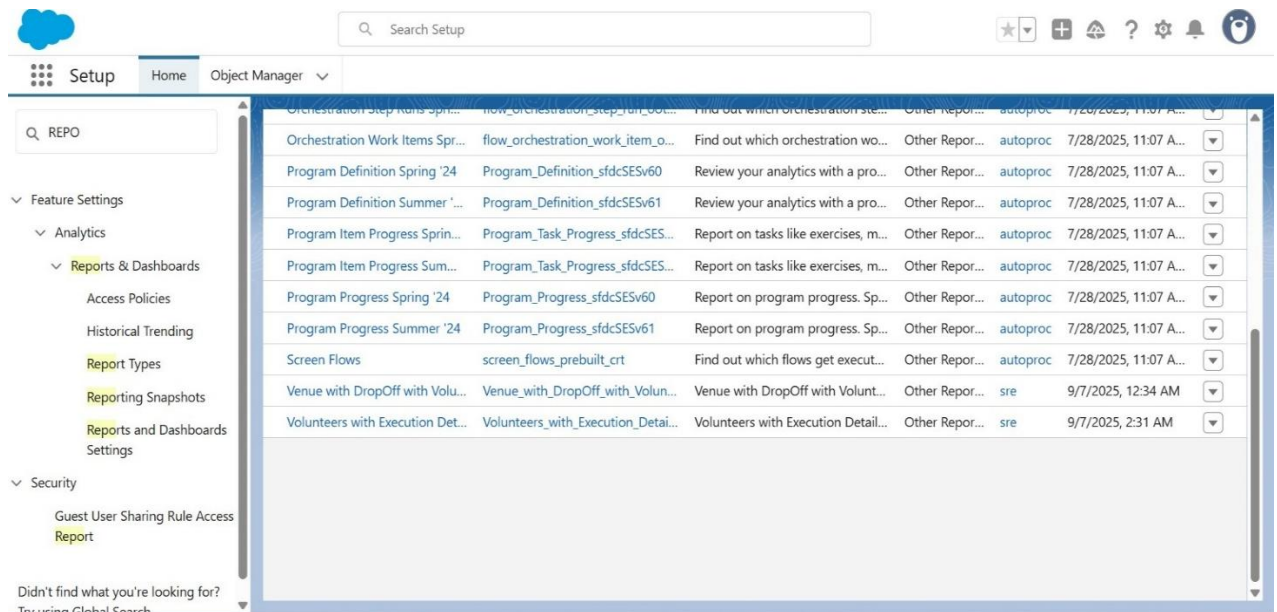
>>>> Public Groups - Creation of User1, User2, User3

The screenshot shows the Salesforce Setup interface for the 'Public Groups' section. The left sidebar contains navigation links: Setup, Home, Object Manager, and a search bar. The main content area is titled 'Public Groups' and includes a description: '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.' Below this, there's a 'View: All' dropdown and a 'Create New View' link. A table lists existing public groups with columns for Action, Label, Group Name, Created By, and Created Date. The table includes buttons for 'New' and 'Add Multiple Users'.

Action	Label	Group Name	Created By	Created Date
Edit Del	Iksha	Iksha	shree_Kaviya	9/13/2025, 7:52 AM
Edit Del	NSS	NSS	shree_Kaviya	9/13/2025, 7:52 AM
Edit Del	Street Cause	Street_Cause	shree_Kaviya	9/13/2025, 7:52 AM

REPORT TYPES:

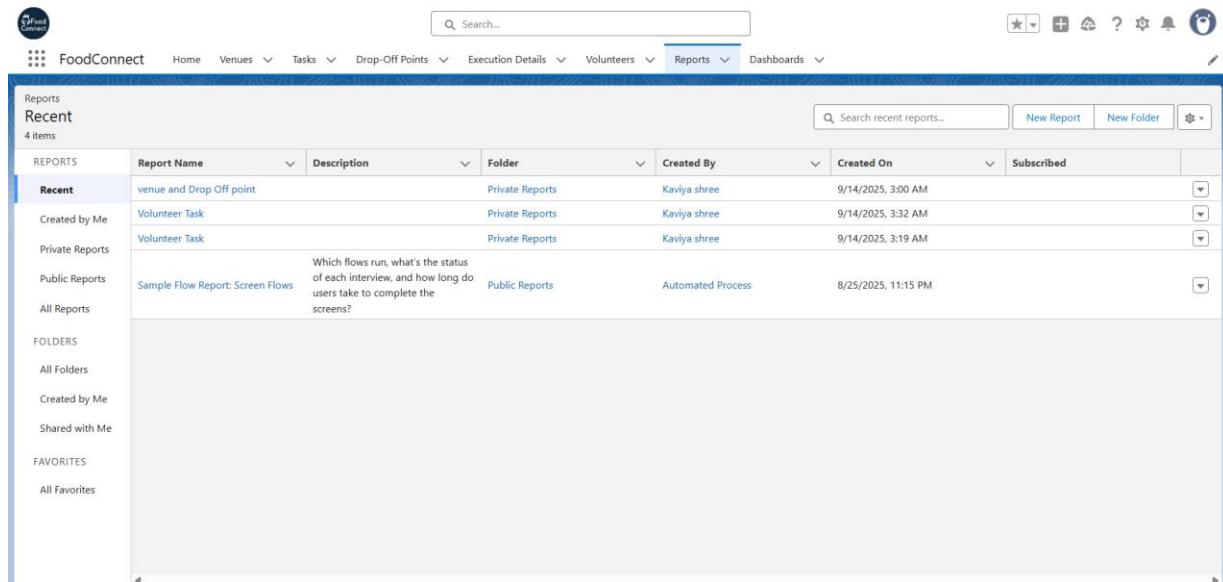
- **Creation of Report Types:**



- **Reports:**

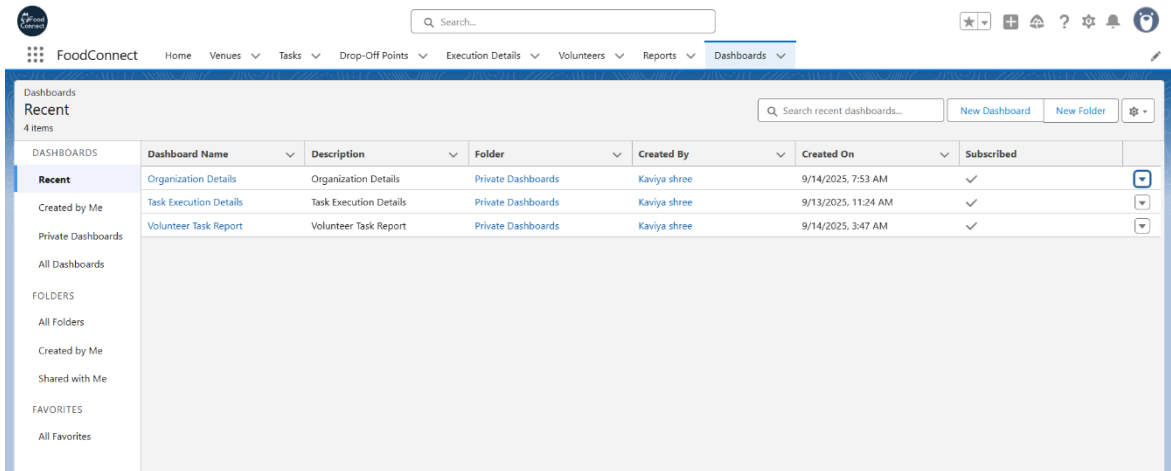
- ✓ Creation of Report on Venue with DropOff with Volunteer.
- ✓ Creation of Report on Volunteers with Execution Details and Tasks.

✓ Creation of Report on Volunteers with Execution Details and Tasks.



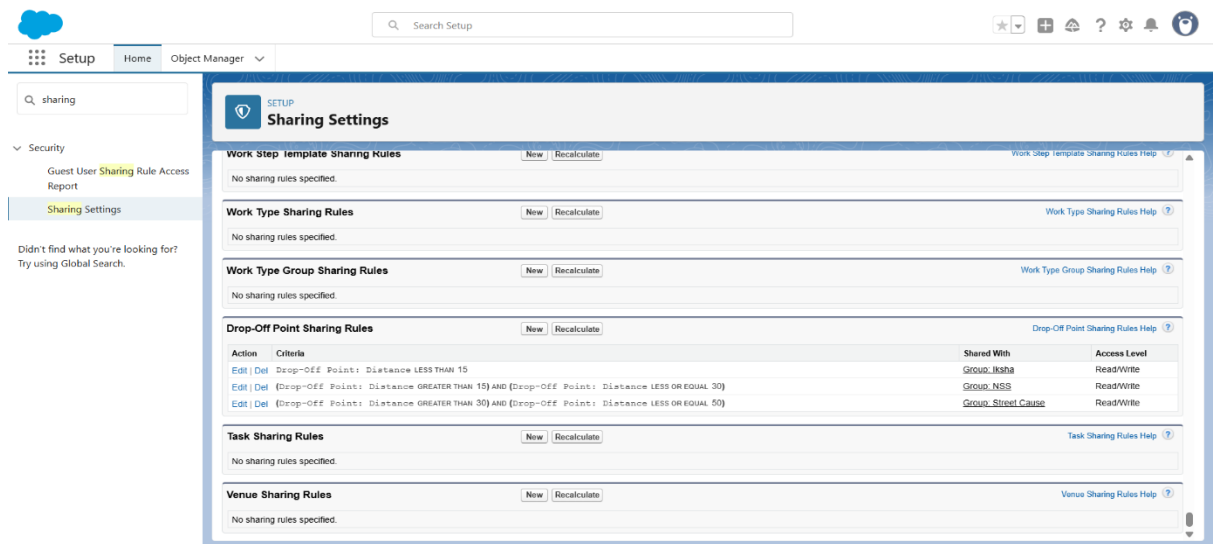
● DashBorad:

- ✓ Adding venue and Drop Off point Report to the Dashboard
- ✓ Adding Volunteer Task Report to the Dashboard
- ✓ Adding a Picture to the Dashboard (Optional)



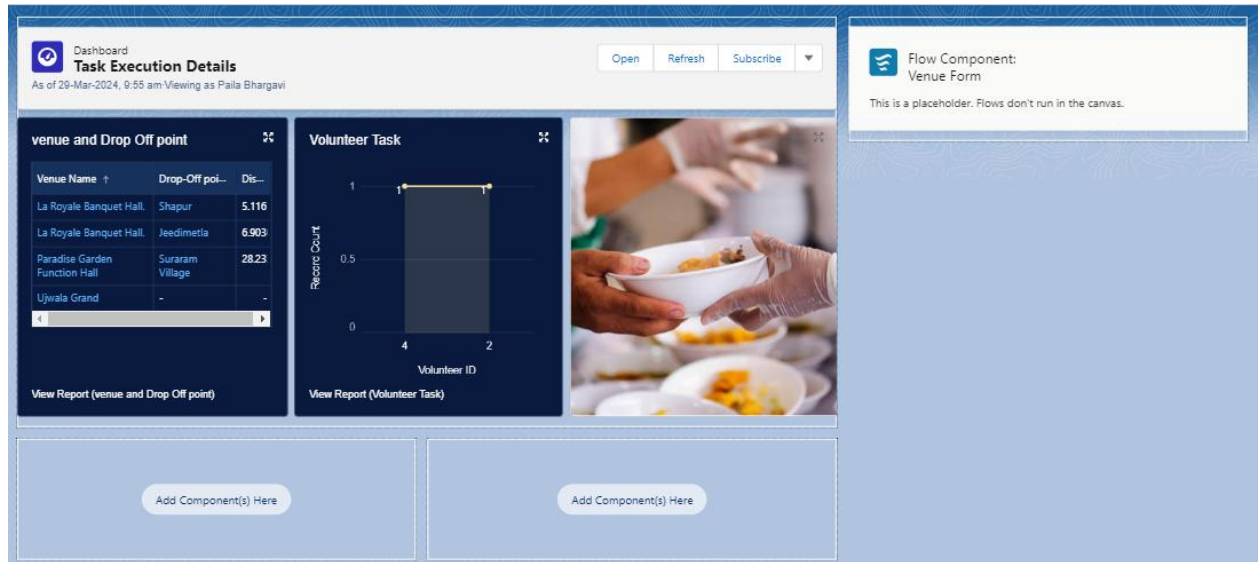
Sharing Rule:

>>> Creation of sharing rules:



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.