

To Supply Leftover Food To Poor

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

TEAM ID: NM2025TMID20601

TEAM MEMBERS:

Team Leader Name: KAVIYASHREE K

Email: shreekaviya706@gmail.com

Team Member: GUNAL P

Email: ggunal147@gmail.com

Team Member: MAHA VISHNU R

Email: ramvimalram7@gmail.com

Team Member: MANOJ R

Email: manojramaiah4@gmail.com

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.



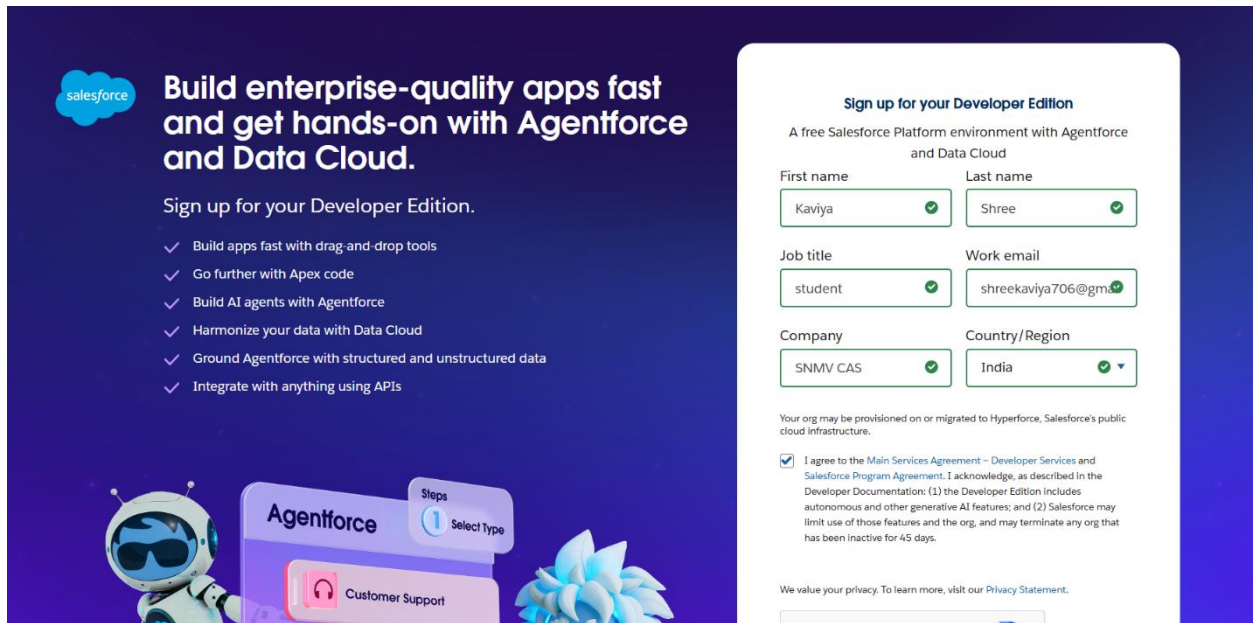
1.2 Purpose

- 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 page. On the left, there's a dark blue 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 with checkmarks: "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, there's a white form titled "Sign up for your Developer Edition". It describes the environment as "A free Salesforce Platform environment with Agentforce and Data Cloud." and contains several input fields: "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 agreeing to the terms and a link to the Privacy Statement at the bottom.

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 ✓

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.

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

Star

Plus

Home

Help

Settings

Notifications

User

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

Star

Plus

Home

Help

Settings

Notifications

User

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

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Object Manager

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User

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

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

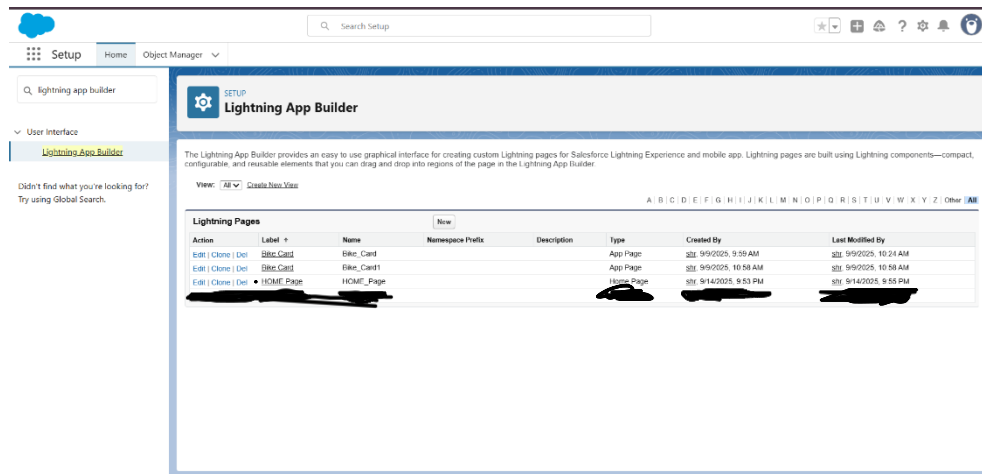
Visualforce Tabs

NewWhat Is This?

No Visualforce Tabs have been defined

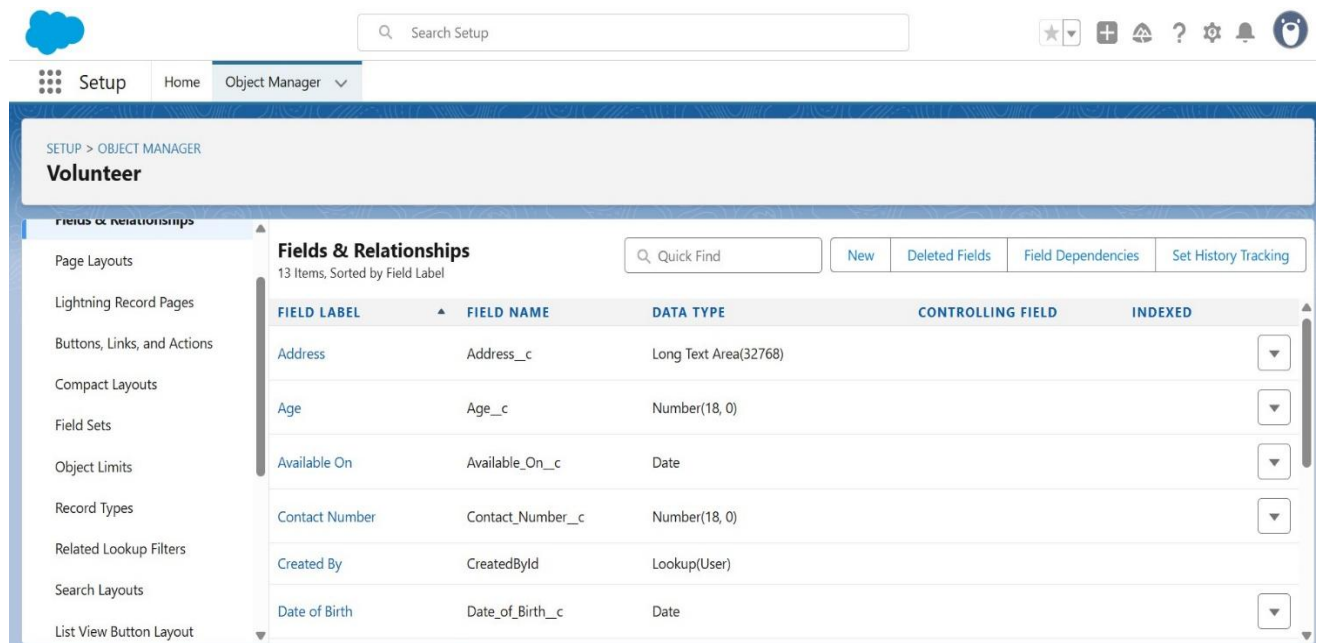
Created a Lightning App:

>>>Created a Home_Page

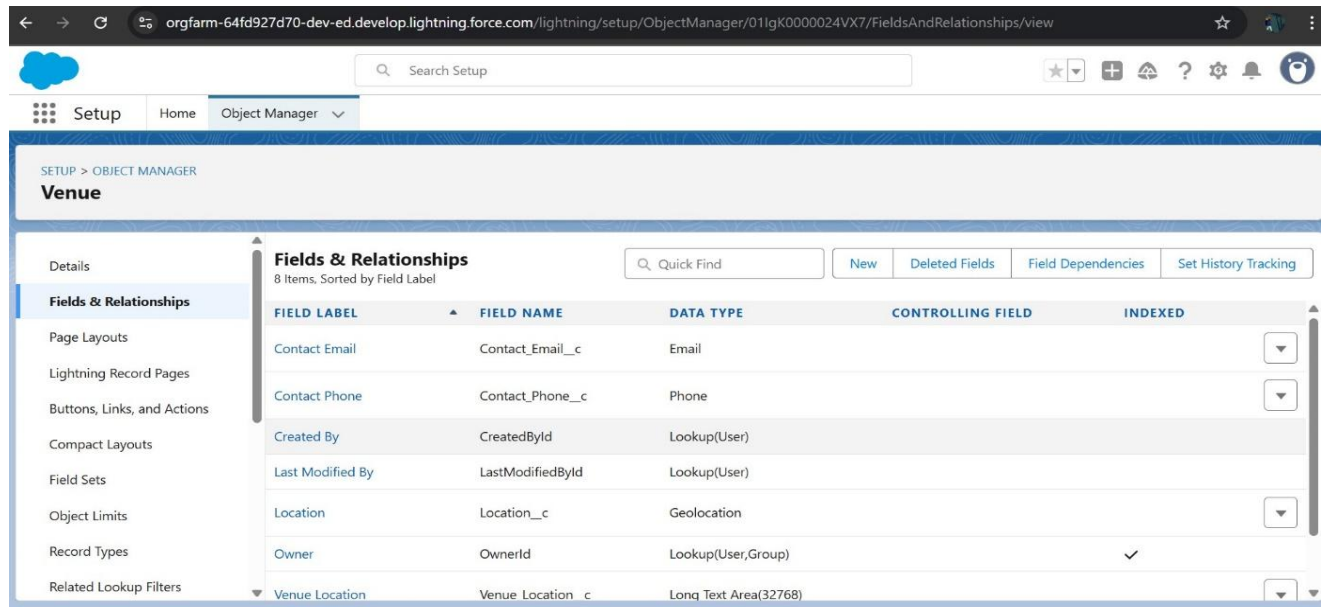


FIELDS:

>>> Creation of Relationship fields in objects



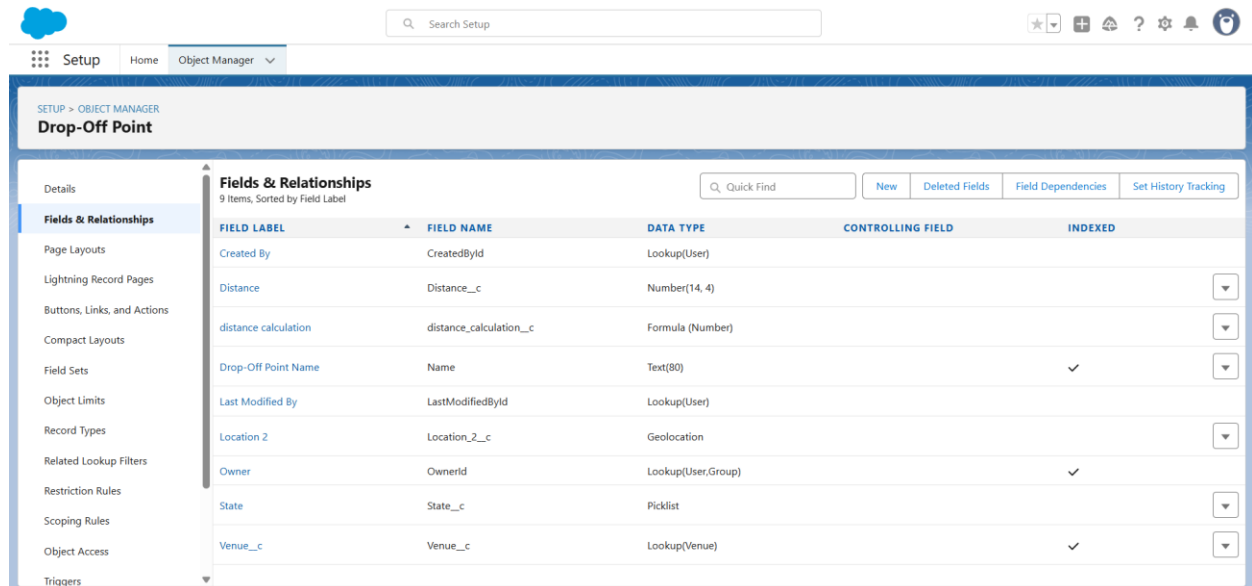
>>> Creation of fields for the Venue object



The screenshot shows the Salesforce Setup interface for the 'Venue' object. The 'Fields & Relationships' section is active, displaying a table of 8 fields. The table has columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed. The fields listed are: Contact Email (Email), Contact Phone (Phone), Created By (Lookup(User)), Last Modified By (Lookup(User)), Location (Geolocation), Owner (Lookup(User,Group)), and Venue Location (Long Text Area(32768)).

| 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 table of 9 fields. The table has columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed. The fields listed are: Created By (Lookup(User)), Distance (Number(14, 4)), distance calculation (Formula (Number)), Drop-Off Point Name (Text(80)), Last Modified By (Lookup(User)), Location 2 (Geolocation), Owner (Lookup(User,Group)), State (Picklist), and Venue__c (Lookup(Venue)).

| 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)).

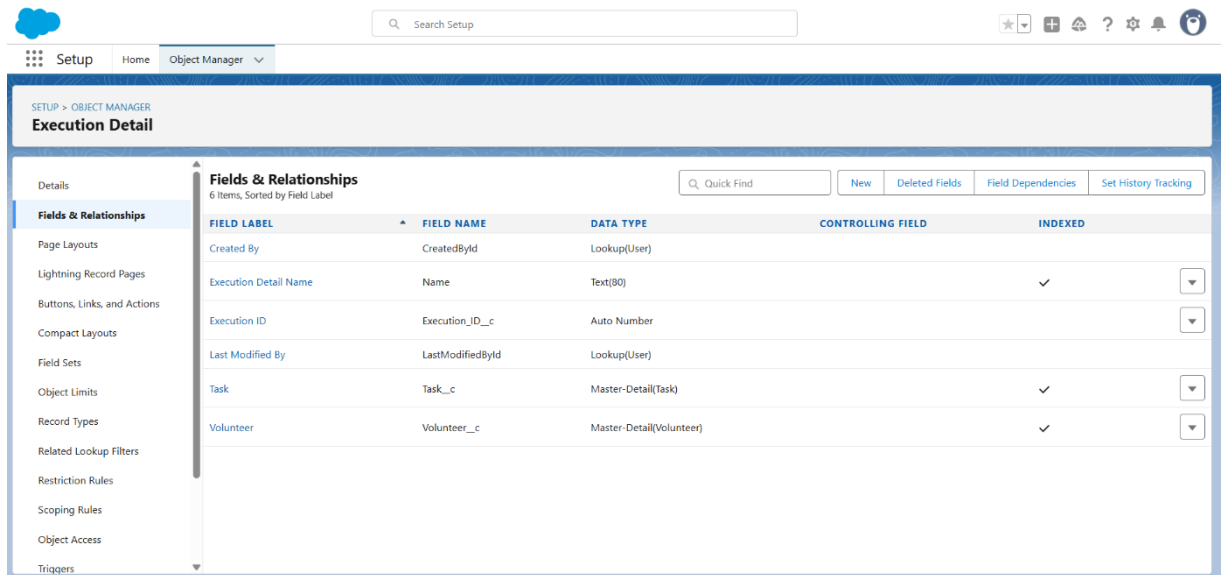
| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|----------------|------------------|-------------------------|-------------------|---------|
| Created By | CreatedBy | Lookup(User) | | |
| Date | Date_c | Date | | |
| Distance | Distance_c | Number(14, 4) | | |
| Drop-Off Point | 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).

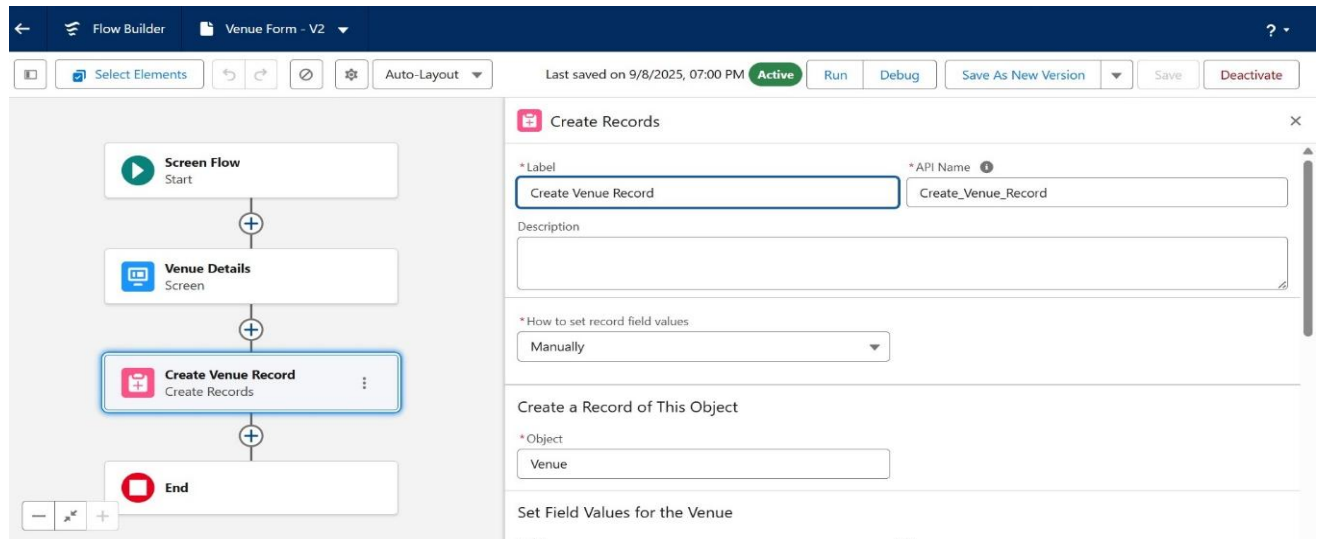
| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|------------------|------------------|-------------------------------|-------------------|---------|
| Drop-Off Point | Drop_Off_Point_c | Master-Detail(Drop-Off Point) | | ✓ |
| Email | Email_c | Email | | |
| Execution ID | Execution_ID_c | 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**



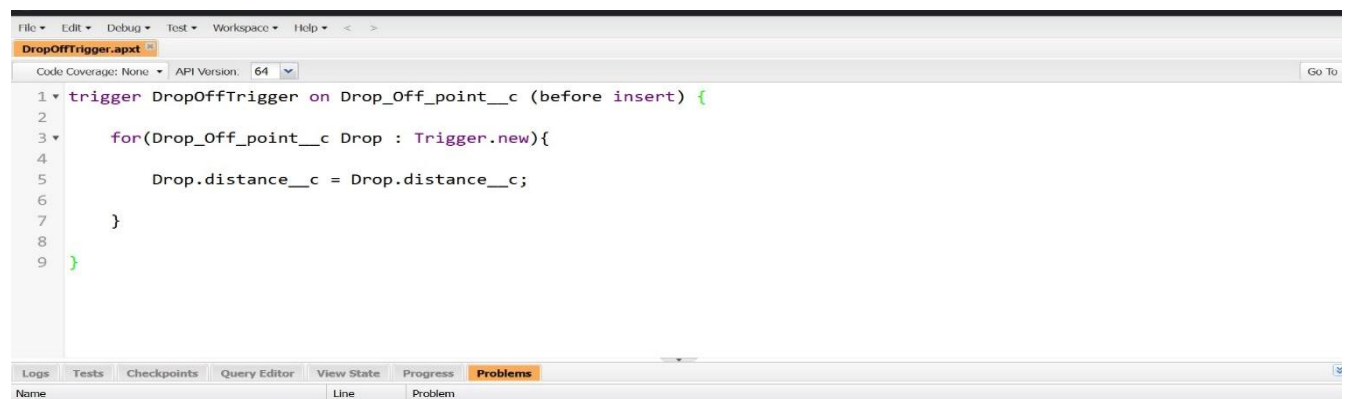
FLOWS:

Created Flow to create a record in Venue object



Trigger:

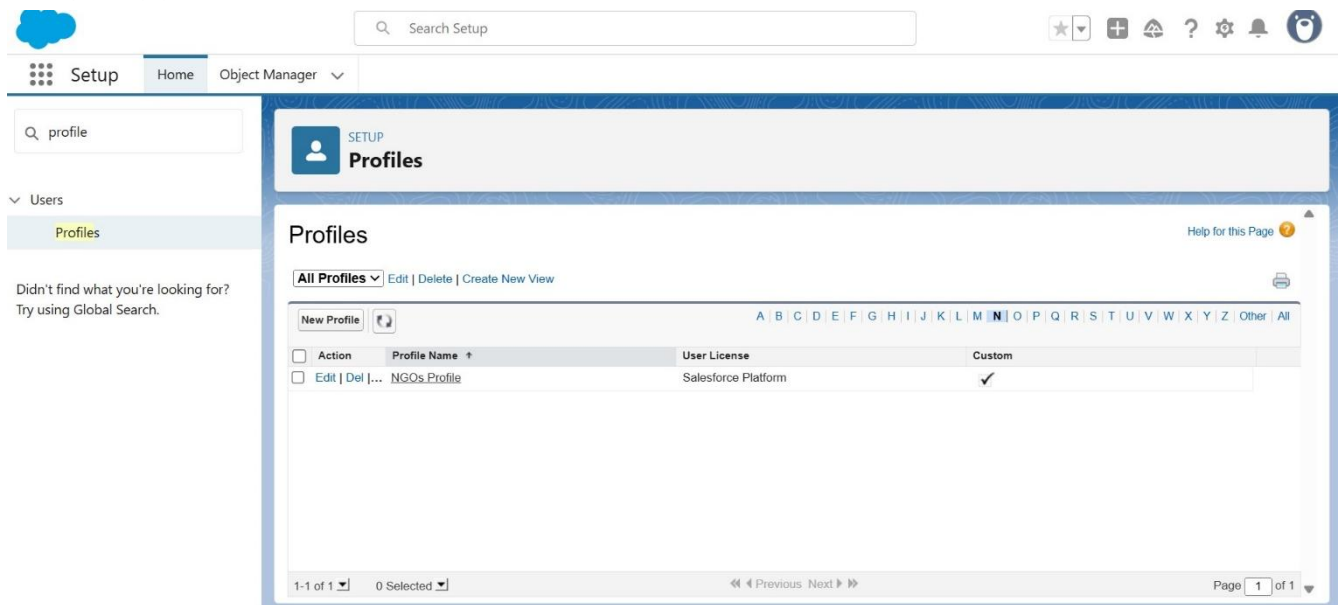
- Created a Trigger:



- **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

Search 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.com | | ✓ | Analytics Cloud Integration User |
| Edit | User_Security | sec | insightssecurity@00dgk000009zchhuai.com | | ✓ | Analytics Cloud Security User |

Public Groups:

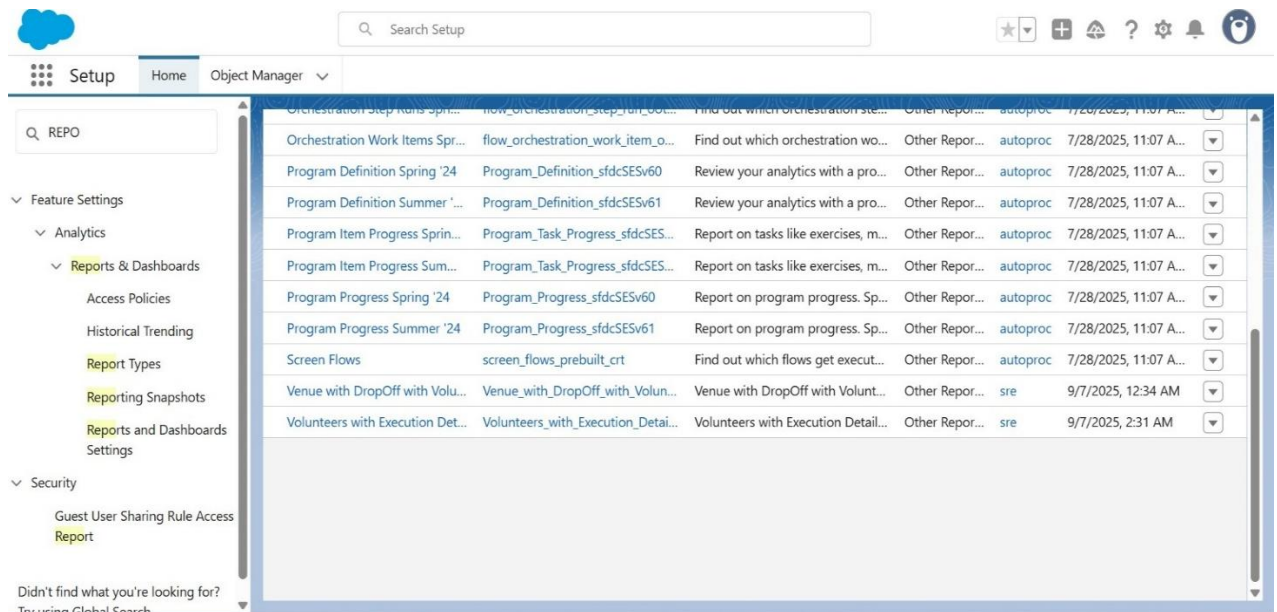
>>>> Public Groups - Creation of User1, User2, User3

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:

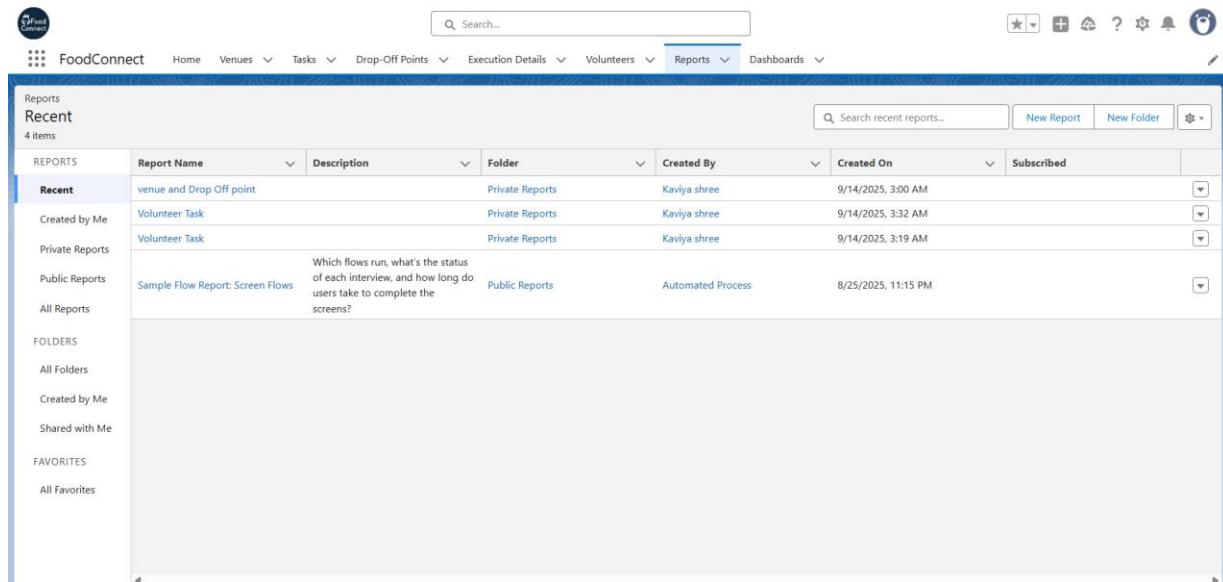
- **Creation of Report Types:**



- **Reports:**

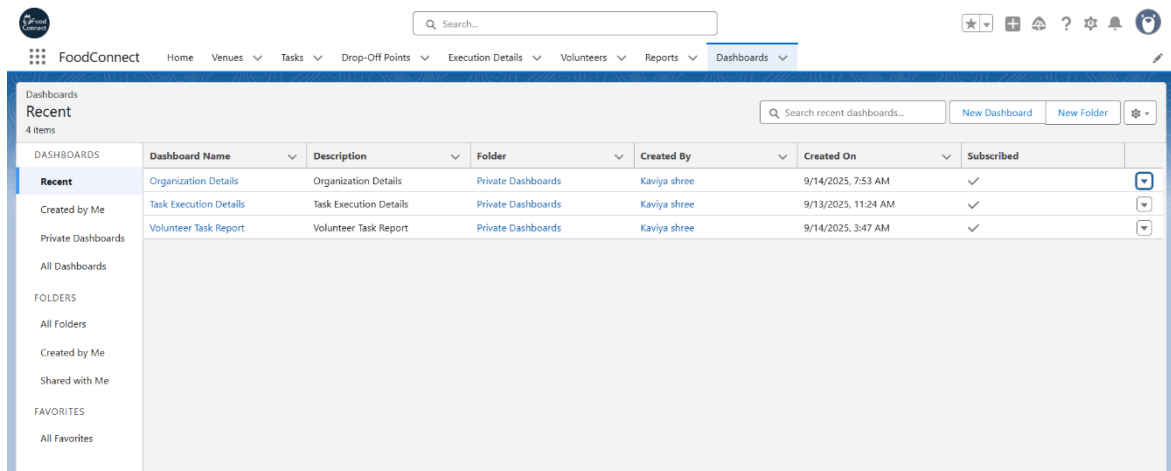
- ✓ Creation of Report on Venue with DropOff with Volunteer.
- ✓ Creation of Report on Volunteers with Execution Details and Tasks.

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



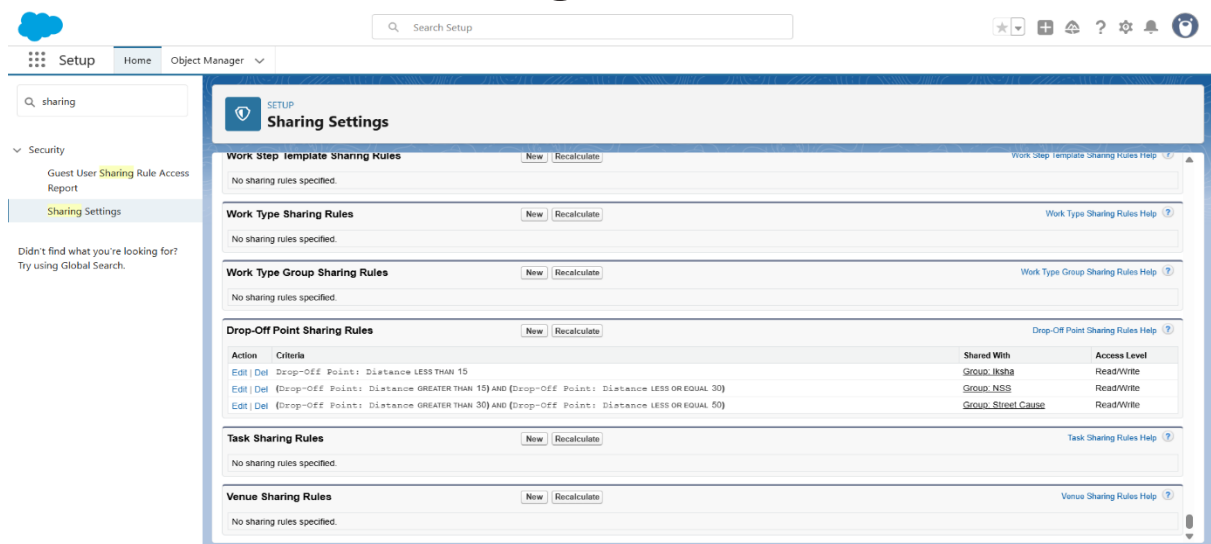
● DashBorad:

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



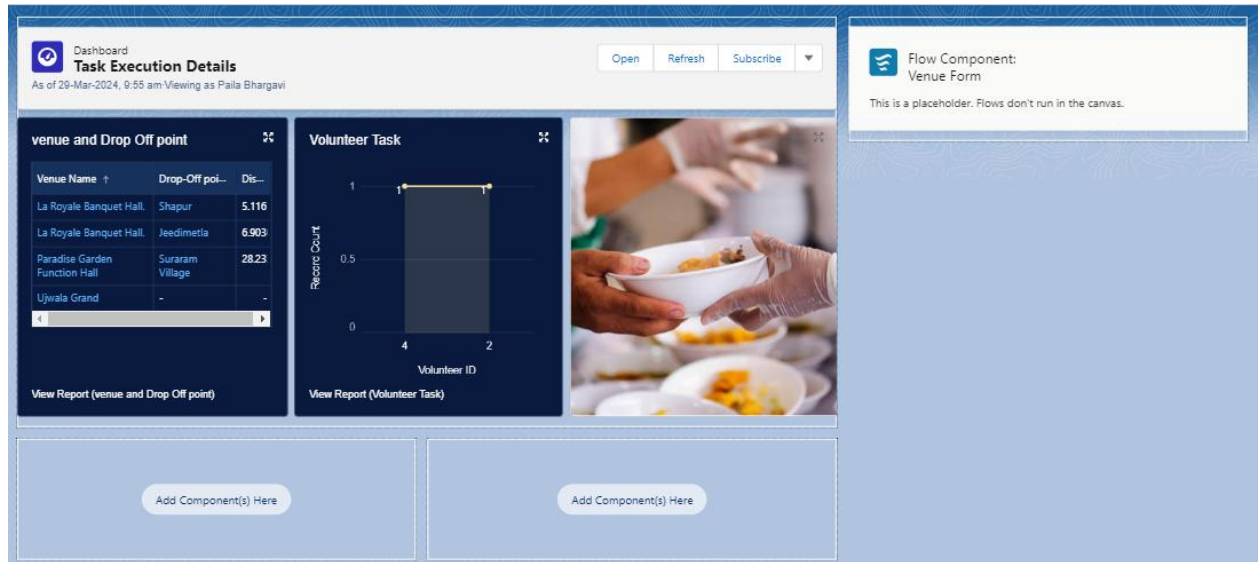
Sharing Rule:

>>> 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.