

TO SUPPLY LEFT OVER FOOD THE POOR

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INTRODUCTION:

Food wastage is one of the major issues faced in our society, while at the same time many people struggle to get even a single meal a day. Every day, a large quantity of food from hotels, restaurants, hostels, and events goes to waste. If this leftover food is collected and distributed properly, it can help reduce hunger among the poor and needy.

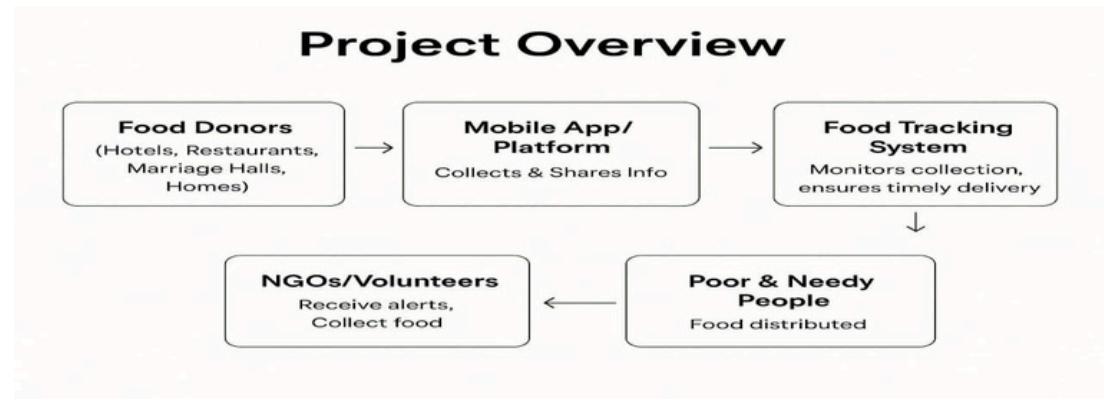
This project aims to build a platform under the Naan Mudhalvan scheme to connect food donors (restaurants, hostels, marriage halls, households) with volunteers and NGOs who can collect and supply

the leftover food to the underprivileged. The system will ensure food safety, quick response, and efficient distributions so that surplus food is not wasted but reaches the right people at the right time.

Through this initiative, we not only reduce food wastage but also contribute to social welfare, support zero hunger goals, and bring smiles to those who are struggling for their daily meals.

1.1 Project Overview

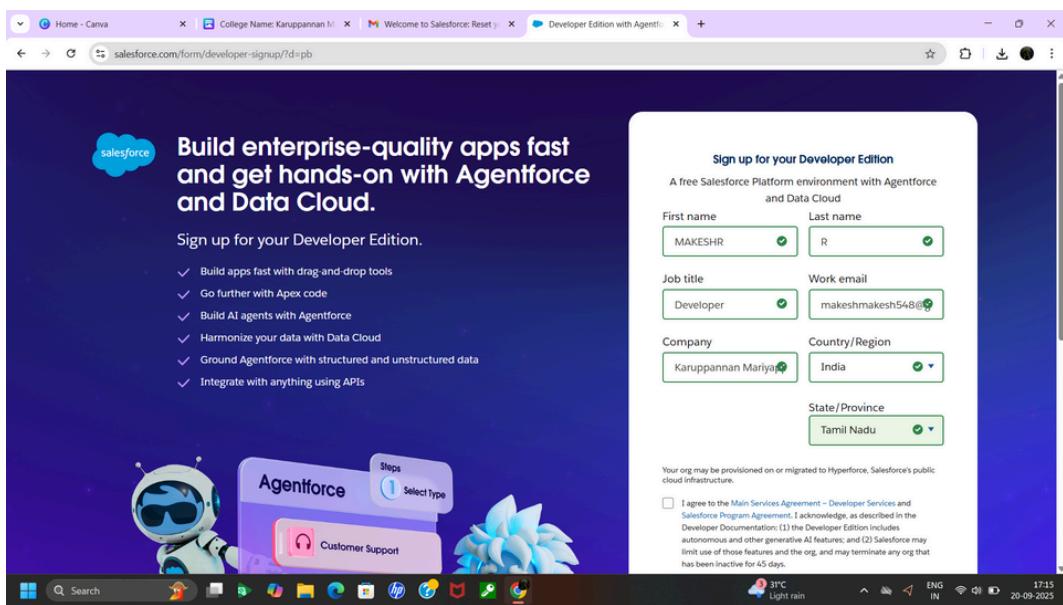
The Leftover Food Supply System is designed to reduce food wastage and provide meals to the needy by creating a bridge between food donors and food seekers.



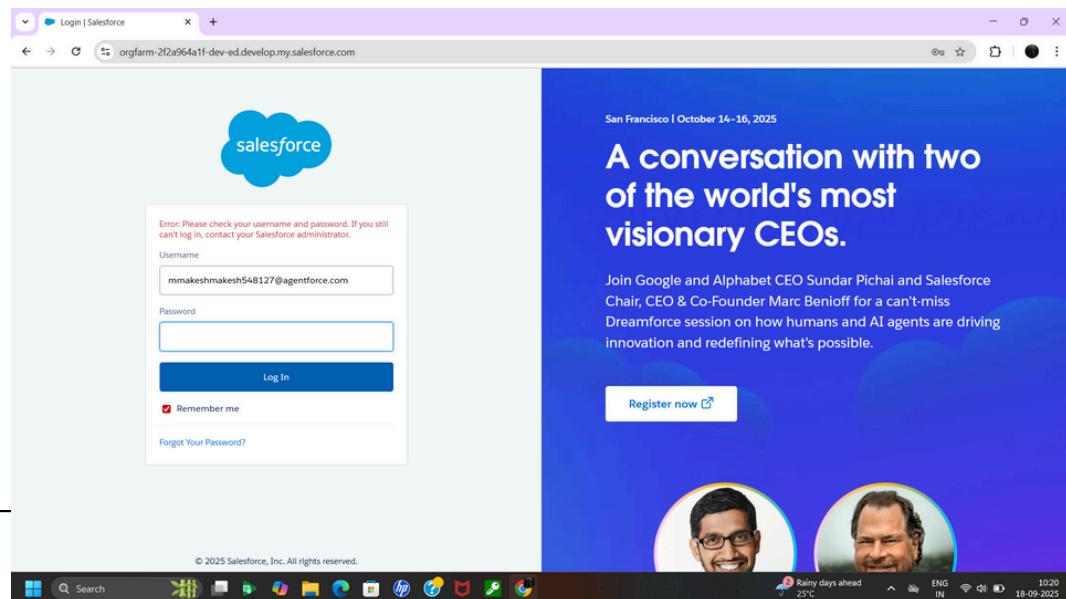
1.2 Purpose

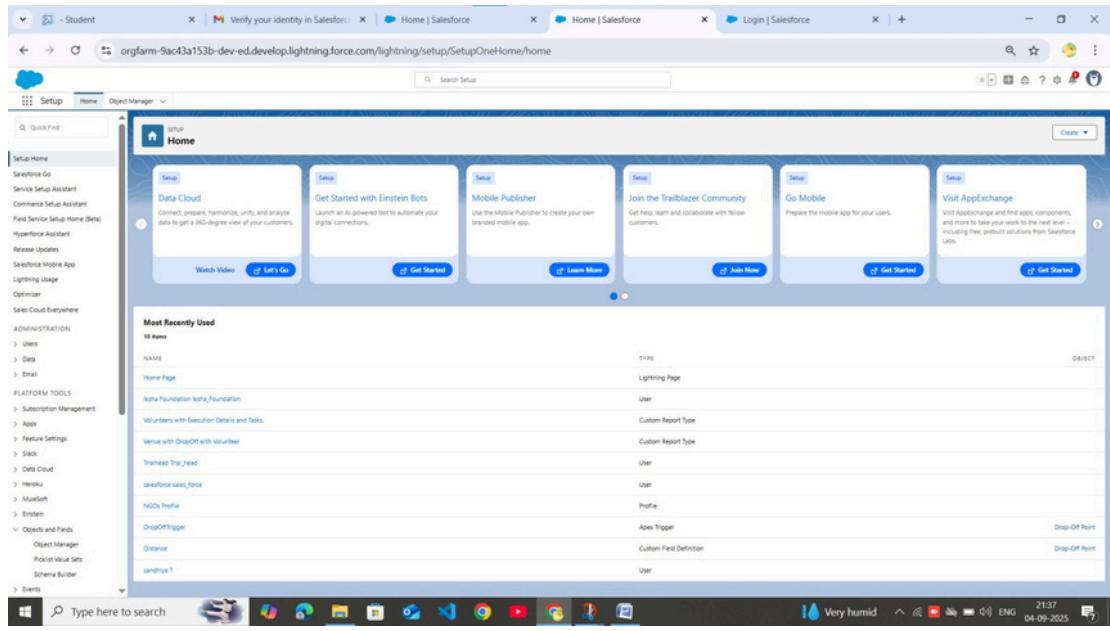
Creating Developer Account:

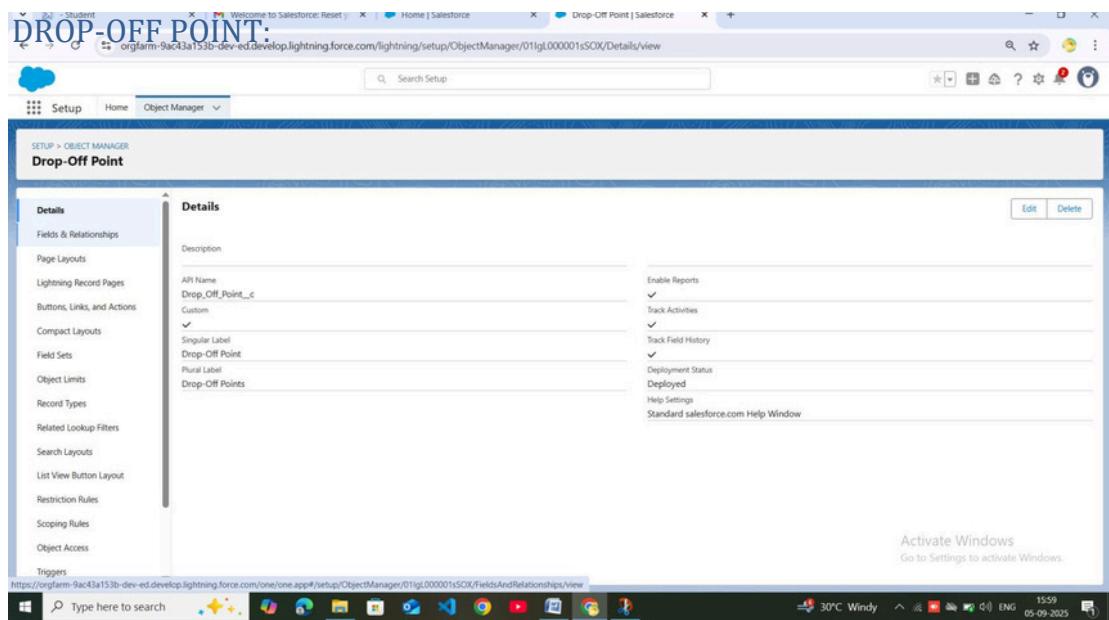
By using this URL: <https://www.salesforce.com/form/developer-signup/?d=pb>



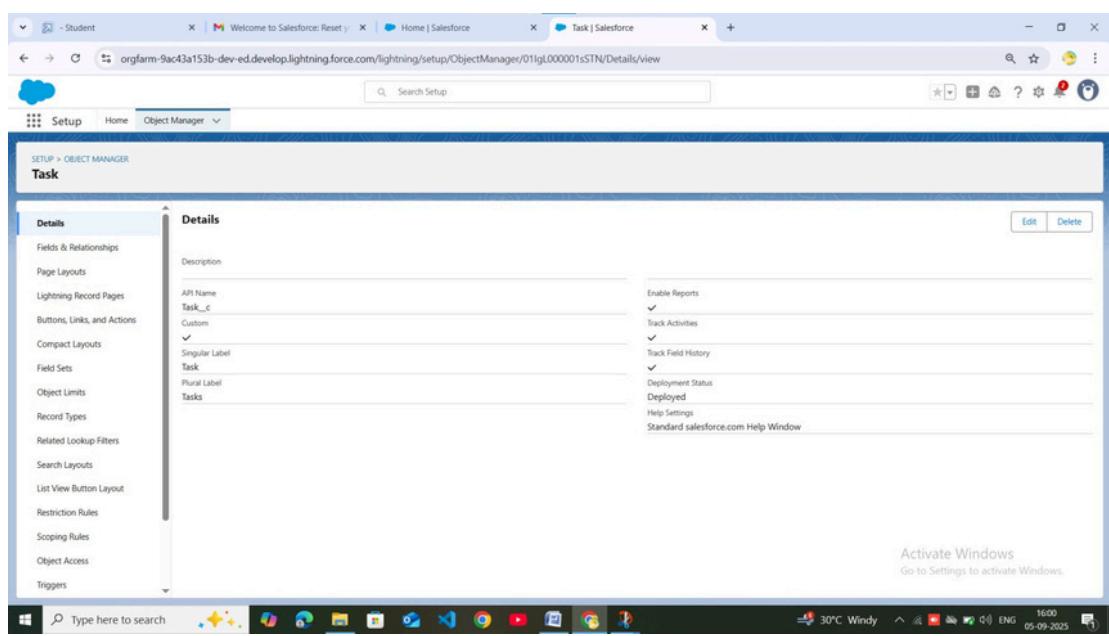
❑ Account activation







TASK:



VOLUNTEER:

Welcome to Salesforce: Reset | Home | Salesforce | Volunteer | Salesforce

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

Search Layouts

List View Button Layout

Restriction Rules

Scoping Rules

Object Access

Triggers

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

Activate Windows
Go to Settings to activate Windows.

https://orgfarm-9ac43a153b-dev-ed.lightning.force.com/one/one.app#/setup/ObjectManager/01lgL000001sSUz/CompactLayouts/view

Execution Detail:

Welcome to Salesforce: Reset | Home | Salesforce | Execution Detail | Salesforce

SETUP > OBJECT MANAGER

Execution Detail

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Scoping Rules

Object Access

Triggers

Details

Description

API Name: Execution_Details__c

Custom: ✓

Singular Label: Execution Detail

Plural Label: Execution Details

Enable Reports: ✓

Track Activities: ✓

Track Field History: ✓

Deployment Status: Deployed

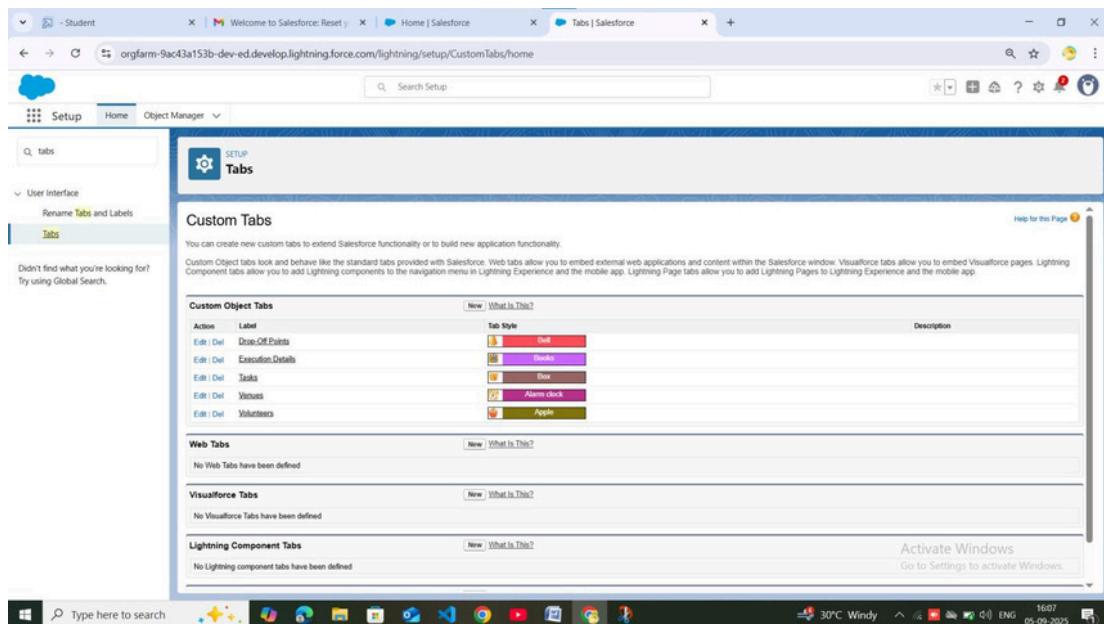
Help Settings: Standard salesforce.com Help Window

Activate Windows
Go to Settings to activate Windows.

https://orgfarm-9ac43a153b-dev-ed.lightning.force.com/one/one.app#/setup/ObjectManager/01lgL000001sSYD/FieldsAndRelationships/view

TABS:

- Creating a Custom Tab



■ The Lightning App

Create a Lightning App

App Details & Branding

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.

App Details

- *App Name: FoodConnect
- *Developer Name: FoodConnect
- Description: Enter a description...

App Branding

- Image:
- Primary Color Hex Value: #007002
- Upload

Org Theme Options

Use the app's image and color instead of the org's custom theme

App Launcher Preview

Fo FoodConnect

Activate Windows
Go to Settings to activate Windows.

The screenshot shows the Salesforce Lightning App Builder interface. The left sidebar has 'App Settings' expanded, with 'App Options' selected. The main content area is titled 'App Options' and contains sections for 'Navigation and Form Factor' and 'Setup and Personalization'. Under 'Navigation and Form Factor', there are tabs for 'Navigation Style' (Standard navigation is selected) and 'Supported Form Factors' (Desktop and phone is selected). A note states: 'If you don't see all the form factors in this list, it's because this app contains items that prevent selection of one or more options. For example, if an app contains pages assigned to the phone form factor, you can't switch the app to be for desktop only.' Under 'Setup and Personalization', there are tabs for 'Setup Experience' (Setup (full set of Setup options) is selected), 'Service Setup', and 'Data Cloud Setup'. In the 'App Personalization Settings' section, there are three checkboxes: 'Disable end user personalization of nav items in this app' (unchecked), 'Disable temporary tabs for items outside of this app' (unchecked), and 'Use Omni-Channel sidebar' (unchecked). At the bottom right, there is a 'Activate Windows' message: 'Activate Windows Go to Settings to activate Windows.'

The screenshot shows the Salesforce Lightning App Builder interface. The left sidebar has 'App Settings' expanded, with 'Navigation Items' selected. The main content area is titled 'Navigation Items' and contains a 'Available Items' list and a 'Selected Items' list. The 'Available Items' list includes: Accounts, Activation Targets, Activations, All Sites, Alternative Payment Methods, Analytics, App Launcher, Appointment Categories, Appointment Invitations, Approval Requests, Approval Submission Details, Approval Submissions, and Approval Work Items. The 'Selected Items' list contains: Home, Venues, Tasks, Volunteers, Execution Details, Drop-Off Points, Reports, and Dashboards. At the bottom right, there is a 'Activate Windows' message: 'Activate Windows Go to Settings to activate Windows.'

Screenshot of the Salesforce Lightning App Builder interface showing the "User Profiles" configuration screen.

The left sidebar shows the navigation menu:

- App Details & Branding
- App Options
- Utility Items (Desktop Only)
- Navigation Items
- User Profiles** (selected)

The main content area is titled "User Profiles" and contains the following sections:

- Available Profiles**: A list of profiles including:
 - Analytics Cloud Integration User
 - Analytics Cloud Security User
 - Anypoint Integration
 - Authenticated Website
 - Authenticated Website
 - B2B Reordering Portal Buyer Profile
 - Contract Manager
 - Custom: Marketing Profile
 - Custom: Sales Profile
 - Custom: Support Profile
 - Customer Community Login User
 - Customer Community Plus Login User
 - Customer Community Plus User
- Selected Profiles**: A list containing "System Administrator".

At the bottom right of the interface, there is a message: "Activate Windows" followed by "Go to Settings to activate Windows.".

The taskbar at the bottom of the screen shows the Windows Start button, a search bar with "Type here to search", and several pinned application icons. The system tray on the right displays the date and time (16:11, 05-09-2025), weather (30°C Windy), and battery status.

■ FIELDS:

Creation of Relationship fields in objects

1.Venus

The screenshot shows the Salesforce Setup interface with the following details:

- Browser: Microsoft Edge
- Address Bar: orgfarm-9ac43a153b-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL000001sSjh/FieldsAndRelationships/view
- Tab: Object Manager
- Object: Venue
- Section: Fields & Relationships
- Table Headers: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, INDEXED
- Table Data:

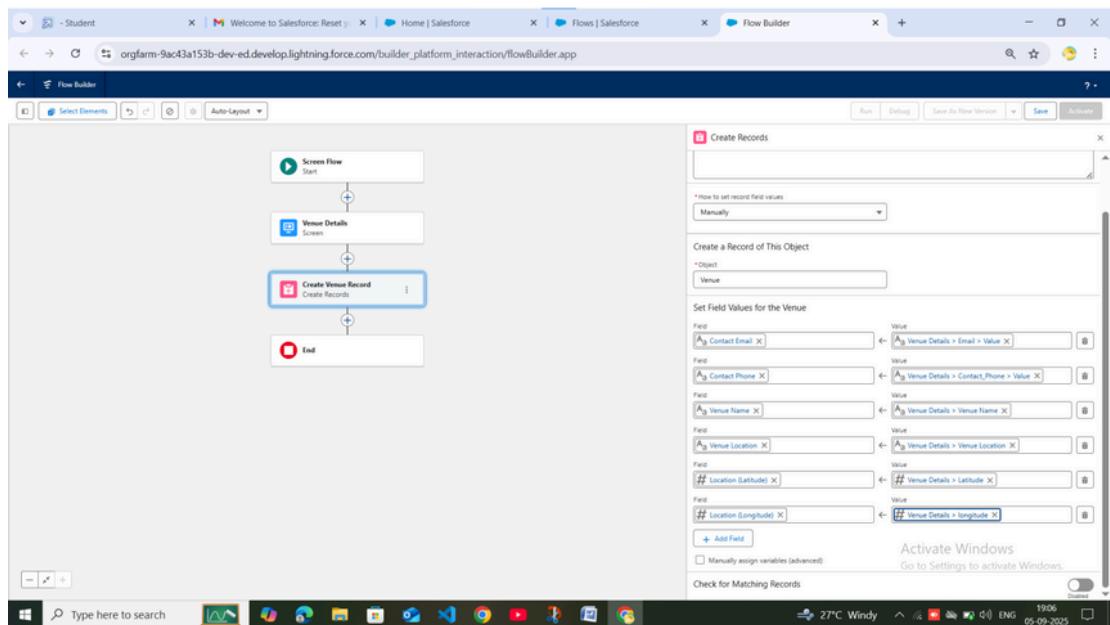
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Contact Email	Contact_Email__c	Email		
Contact Phone	Contact_Phone__c	Phone		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Location	Location__c	Geolocation		
Owner	OwnerId	Lookup(User,Group)		✓
Venue Name	Name	Text(30)		✓
Venue Location	Venue_Location__c	Long Text Area(32768)		
- Buttons: Quick Find, New, Deleted Fields, Field Dependencies, Set History Tracking
- Message: Activate Windows
Go to Settings to activate Windows.
- System Status: 30°C Windy, 16:15, 05-09-2025

Screenshot of the Salesforce Flow Builder interface showing a "New Screen" component.

The screen displays several input fields:

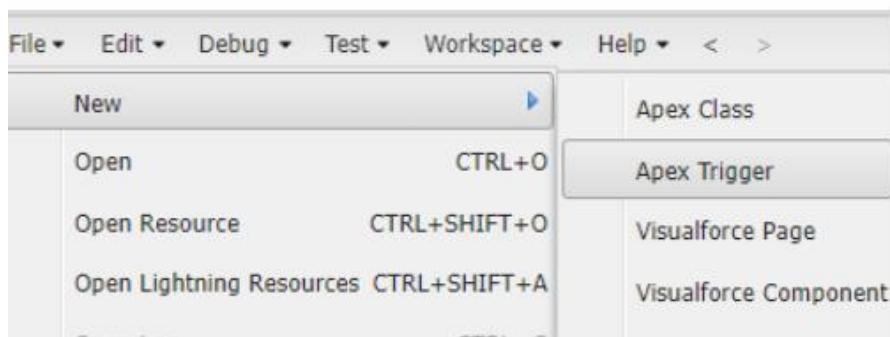
- venue Name**: Text input field.
- Email**: Text input field containing "you@example.com".
- Phone**: Text input field.
- Venue Location**: Text input field.
- Latitude**: Text input field.
- longitude**: Text input field.

A sidebar on the right shows the properties for the "longitude" field, which is defined as a Number type with a label of "longitude".



- TRIGGERS:

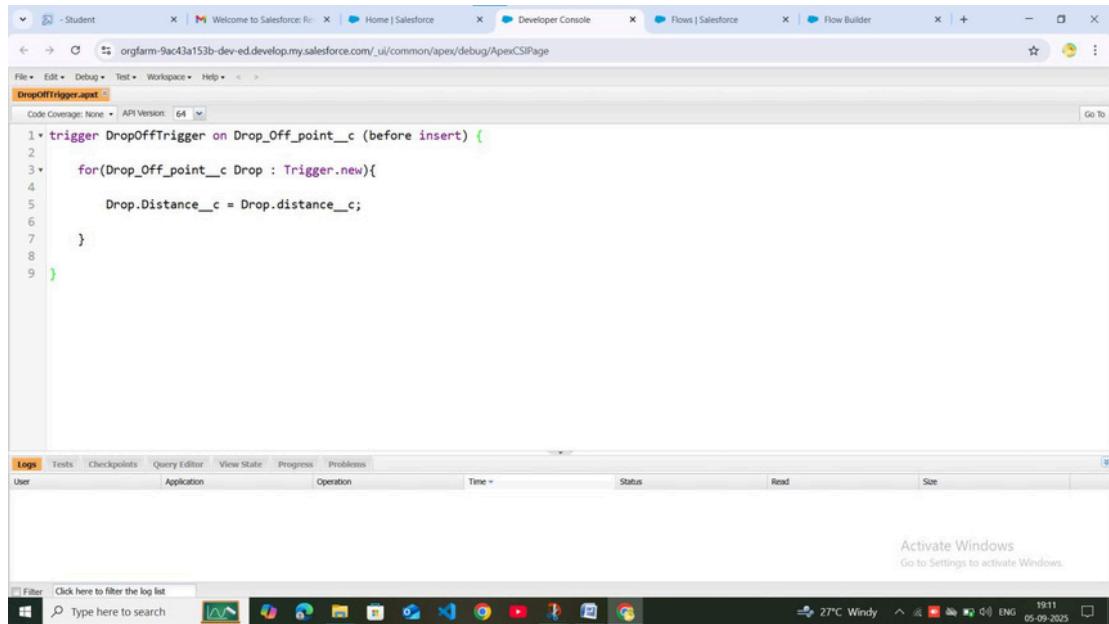
Create a Trigger



A screenshot of the 'New Apex Trigger' dialog box. The title bar says 'New Apex Trigger'. It contains two input fields: 'Name:' with the value 'DropOffTrigger' and 'sObject:' with the value 'Drop_Off_Point__c'. At the bottom right is a 'Submit' button.

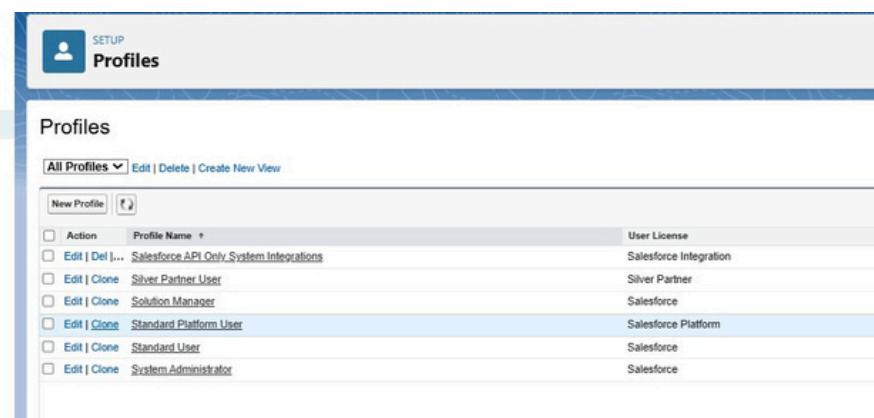
Name:	DropOffTrigger
sObject:	Drop_Off_Point__c

Submit

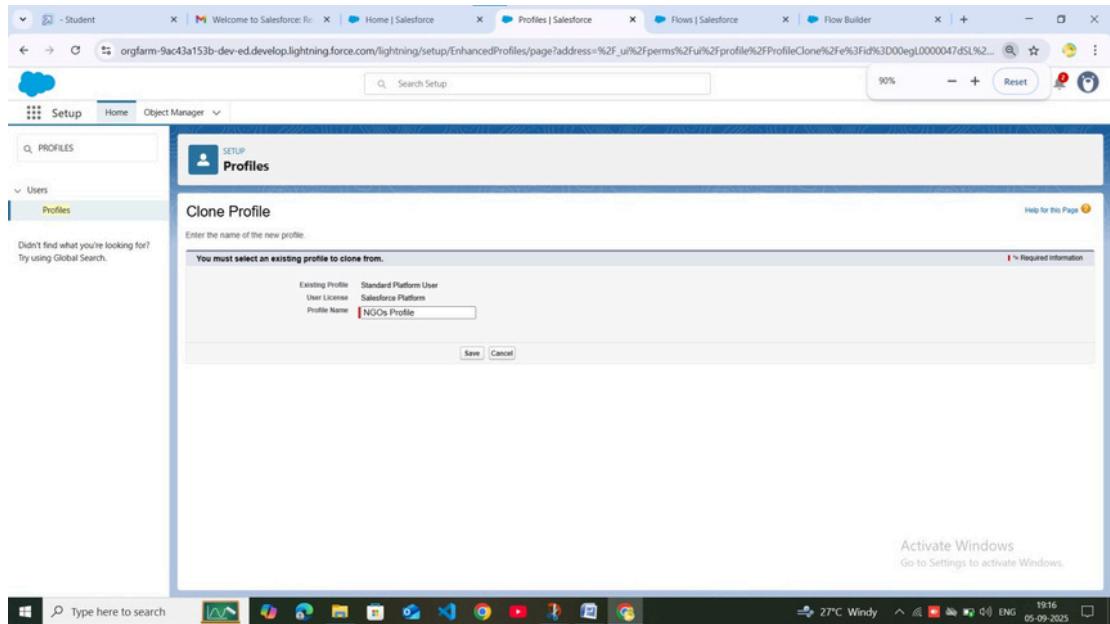


```
1 * trigger DropOffTrigger on Drop_Off_point__c (before insert) {
2 *
3 *     for(Drop_Off_point__c Drop : Trigger.new){
4 *
5 *         Drop.Distance__c = Drop.distance__c;
6 *
7 *     }
8 *
9 *
```

■ PROFILES:

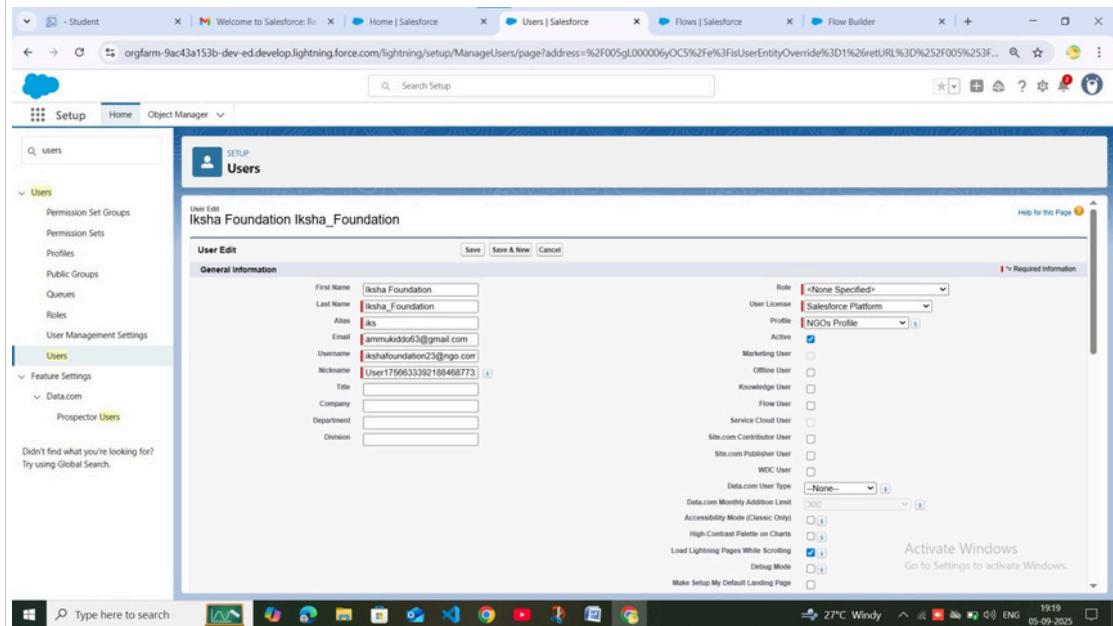


Action	Profile Name	User License
Edit Del ...	Salesforce API Only System Integrations	Salesforce Integration
Edit Clone	Silver Partner User	Silver Partner
Edit Clone	Solution Manager	Salesforce
Edit Clone	Standard Platform User	Salesforce Platform
Edit Clone	Standard User	Salesforce
Edit Clone	System Administrator	Salesforce

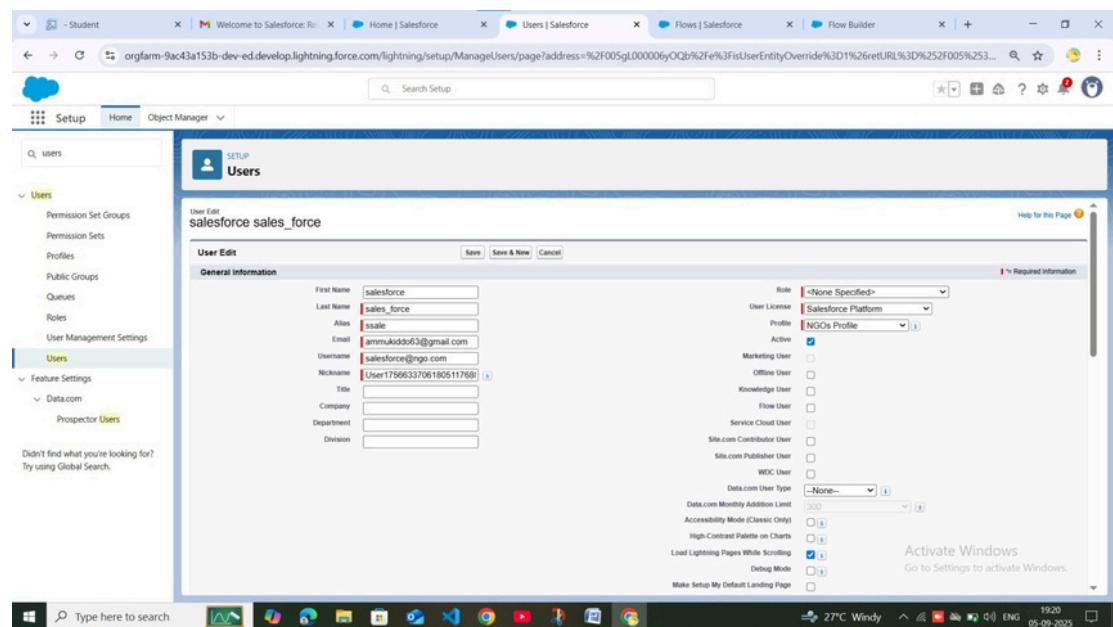


■ CREATION OF USERS:

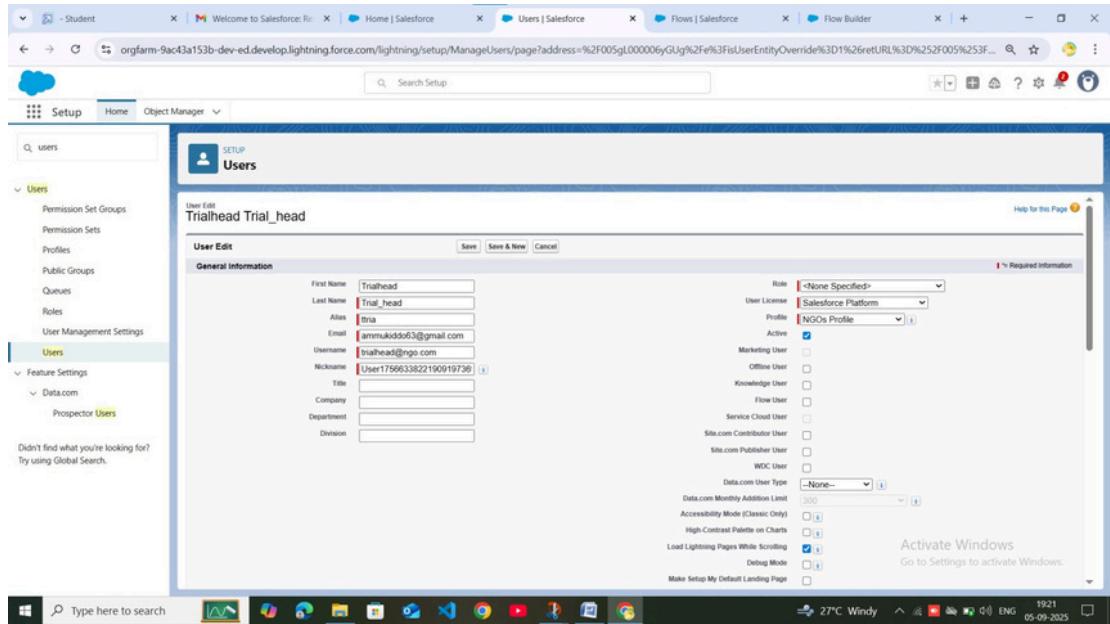
Creation of User1



Creation of User2



Creation of User3



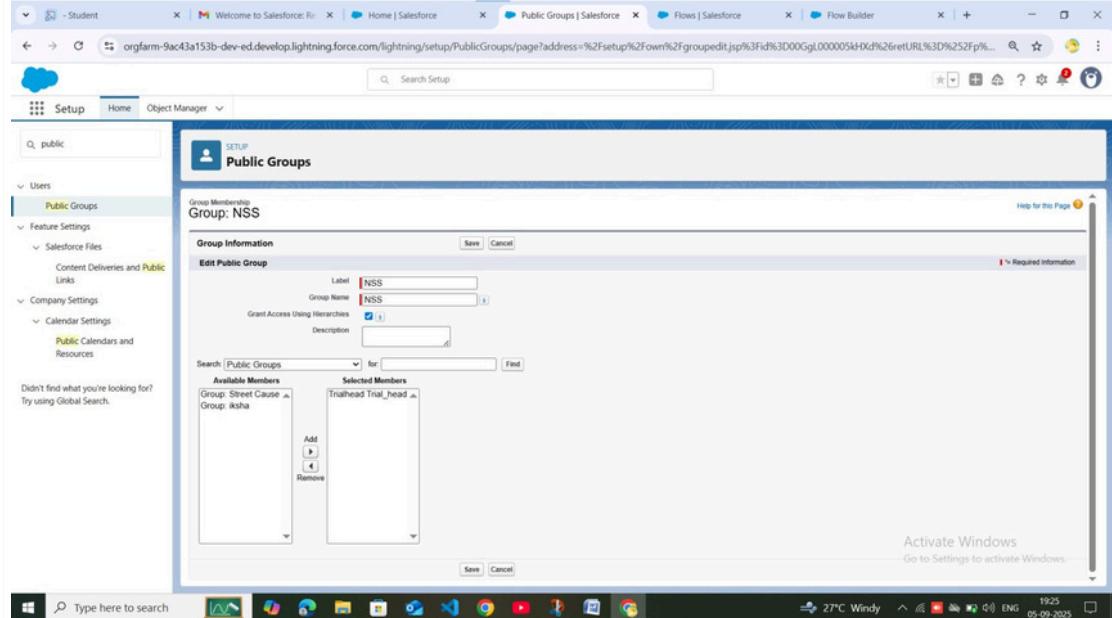
■ PUBLIC GROUPS:

Creation of Public Group 1

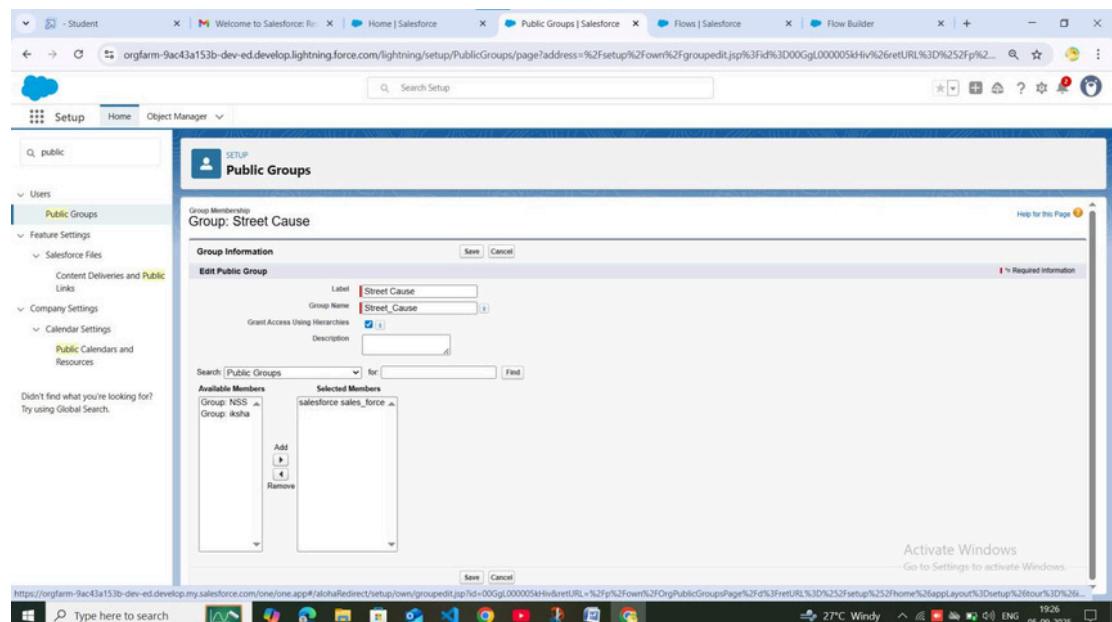
The screenshot shows the Salesforce Setup interface with the following details:

- Page Title:** Public Groups | Salesforce
- Section:** Users > Public Groups
- Group Membership:** Group: iksha
- Group Information:**
 - Label: iksha
 - Group Name: iksha
 - Grant Access Using Hierarchies:
 - Description: (empty)
- Members:**
 - Available Members:** Group: NSS, Group: Street Cause
 - Selected Members:** iksha Foundation iksha_Foundation salesforce sales_force
- Buttons:** Save, Cancel

Creation of Public Group 2



Creation of Public Group 3



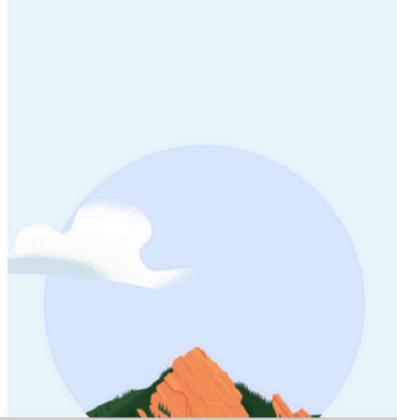
■ REPORT TYPES:

Creation of Report Types

Custom Report Types

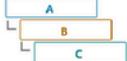
Build Custom Report Types

Help users create the reports they want with the new custom report type editor. Build report types that go beyond standard report types by defining the relationships between objects and adding fields via lookups.



Don't show me this page again Continue 

Select Objects
Select which objects users can include in the report.



Define Relationships
Define relationships between the objects available to users in the report.



Select Fields
Select which fields users can include as report columns.



Custom Report Types

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.

Details

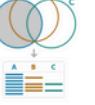
Display Label	Venue with DropOff with Volunteer
API Name	Venue_with_DropOff_with_Volunteer
Description	Venue with DropOff with Volunteer
Created By	sandhya T. 8/31/25, 3:25 PM
Store in Category	other
Deployment Status	Deployed
Modified By	sandhya T. 8/31/25, 3:25 PM

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)



Activate Windows
Go to Settings to activate Windows.

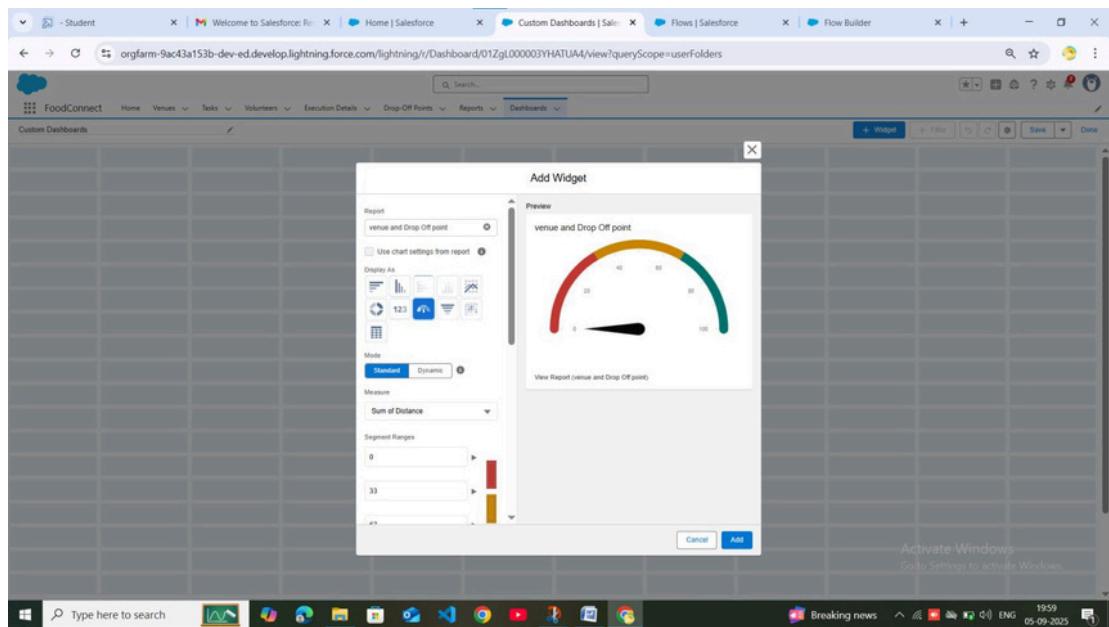
■ REPORTS:

Creation of Report on Venue with DropOff with Volunteer

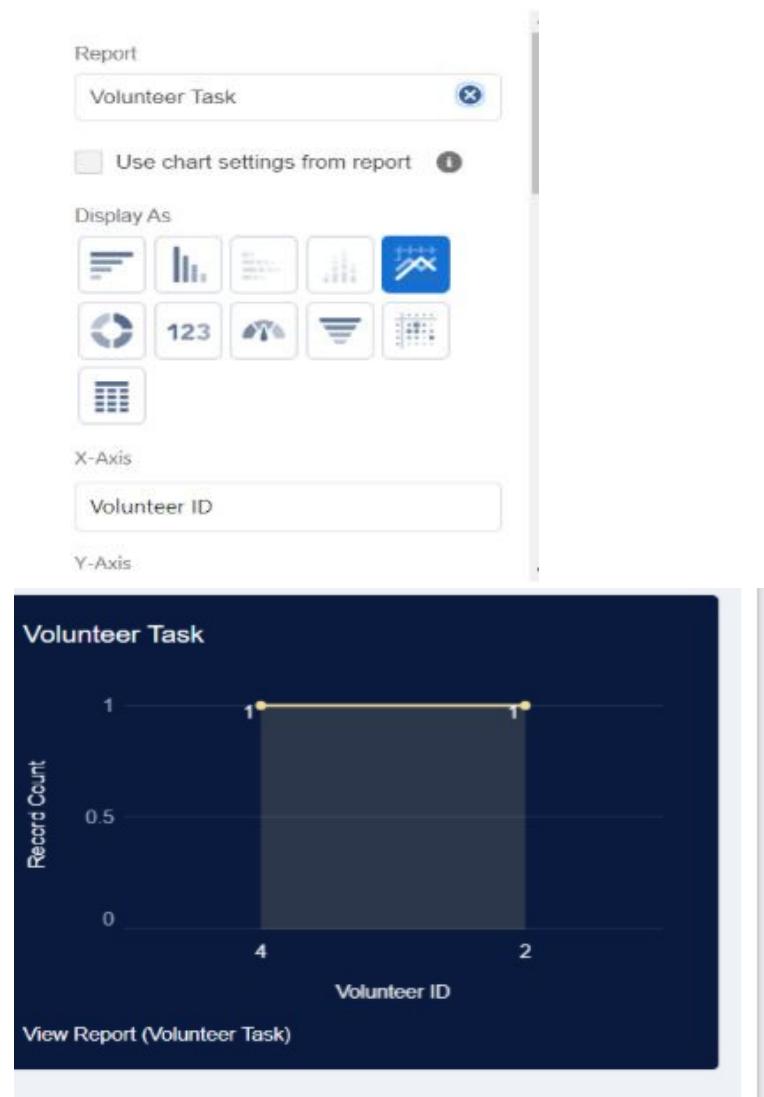
The screenshot shows the Salesforce Report Builder interface. The title bar indicates the report is titled "Venue with DropOff with Volunteer". The left sidebar lists various report types and fields, including "Summary Formulas (0)", "Create Formula", "Venues (13)", "Contact Email", "Contact Phone", "Created By: Full Name", "Created Date", "Last Activity Date", "Last Modified By: Full Name", "Last Modified Date", "Location (Latitude)", "Location (Longitude)", "Owner: Full Name", "Venue ID", "Venue Location", "Venue Name", "Drop-Off Points (13)", "Created By: Full Name", "Created Date", "Distance", "distance calculation", "Drop-Off Point ID", "Drop-Off Point Name", "Last Activity Date", "Last Modified By: Full Name", "Last Modified Date", "Location 2 (Latitude)", "Location 2 (Longitude)", "Owner: Full Name", and "State". The main area shows a preview of the report with columns for "Volunteer Name", "Venue Name", "Drop-Off Point Name", and "Distance". A message at the top right says "Previewing a limited number of records. Run the report to see everything." The bottom right corner shows system status: "Activate Windows", "Go to Settings to activate Windows.", "27°C Windy", "19:35", "ENG", and "05-09-2025".

■ DASHBOARDS:

Adding venue and Drop Off point Report to the Dashboard



Adding Volunteer Task Report to the Dashboard



- SHARING RULES:

Creation of sharing rules:

Rule 1

The screenshot shows the Salesforce Sharing Settings page. The URL is <https://orgfarm-9ac43a153b-dev-ed.lightning.force.com/lightning/setup/SecuritySharing/page?address=%2Fsetup%2FshareRule.jsp%3Fid%3D03FgL0000001sk%26entity%3Da01%26ret...>. The page title is "Sharing Settings | Salesforce".

Sharing Settings

Drop-Off Point Sharing Rule

Label: Rule_1
Rule Name: Rule_1
Description:

Step 1: Select your rule type

Criteria	Field	Operator	Value	AND / OR
	Distance	less than	15	AND
	None	None	None	AND
	None	None	None	AND
	None	None	None	AND

Additional Options

Share with: Group: Aaha
Access Level: Read Only
Created By: sandhya.T 05/10/2025, 4:10 AM

Modified By: sandhya.T 05/10/2025, 4:10 AM

Save Cancel

Activate Windows
Go to Settings to activate Windows.

Rule 2

Sharing Settings

Drop-Off Point Sharing Rule

Use sharing rules to make automatic exceptions to your organization-wide sharing settings for defined sets of users.

Note: "Roles and subordinates" includes all users in a role, and the roles below that role.

You can use sharing rules only to grant wider access to data, not to restrict access.

Label: **Rule 2**
Rule Name: **Rule_2**
Description:

Step 1: Select your rule type

Criteria	Field	Operator	Value	Logic
	Distance	greater than	15	AND
	Distance	less or equal	30	AND
	-None-	-None-	-None-	AND
	-None-	-None-	-None-	AND

Additional Options

Share with: Group: **HSS** Access Level: **Read Only** Created By: **sandhya.T** 09/10/2025, 4:13 AM Modified By: **sandhya.T** 09/10/2025, 4:21 AM

Save Cancel

Activate Windows
Go to Settings to activate Windows.

Rule 3

Sharing Settings

Drop-Off Point Sharing Rule

Use sharing rules to make automatic exceptions to your organization-wide sharing settings for defined sets of users.

Note: "Roles and subordinates" includes all users in a role, and the roles below that role.

You can use sharing rules only to grant wider access to data, not to restrict access.

Label: **Rule 3**
Rule Name: **Rule_3**
Description:

Step 1: Select your rule type

Criteria	Field	Operator	Value	Logic
	Distance	greater than	15	AND
	Distance	less or equal	50	AND
	-None-	-None-	-None-	AND
	-None-	-None-	-None-	AND

Additional Options

Share with: Group: **Street Cause** Access Level: **Read Only** Created By: **sandhya.T** 09/10/2025, 4:17 AM Modified By: **sandhya.T** 09/10/2025, 4:21 AM

Save Cancel

Activate Windows
Go to Settings to activate Windows.

Drop-Off Point Sharing Rules

Action	Criteria	Shared With	Access Level
Edit	Drop-Off Point: Distance LESS THAN 15	Group: HSS	Read Only
Edit	Drop-Off Point: Distance GREATER THAN 15 AND [Drop-Off Points: Distance LESS OR EQUAL 30]	Group: NSG	Read Only
Edit	Drop-Off Point: Distance GREATER THAN 30 AND [Drop-Off Point: Distance LESS OR EQUAL 50]	Group: Street Cause	Read Only

■ HOME PAGE:

Creation of Home Page

The screenshot shows the Salesforce Lightning App Builder interface. A modal window titled "Flow Component: Venue Form" is open, indicating it's a placeholder for flows. To the right, the "Page" configuration pane is visible with the following fields:

- Label: Home Page
- API Name: Home_Page
- Page Type: Home Page
- Template: Home Template One Region
- Description: (empty)

The left sidebar lists various components under "Standard (43)". Below the builder, the Windows taskbar shows multiple open browser tabs related to Salesforce and the FoodConnect application.

FoodConnect

The screenshot shows the FoodConnect application interface. A "Venue Form" is displayed with the following fields:

- Venue Name: (empty)
- Email: you@example.com
- Phone: (empty)
- Venue Location: (empty)
- Latitude: (empty)
- Longitude: (empty)

A "Next" button is located at the bottom right of the form. The Windows taskbar at the bottom shows the FoodConnect icon and other system icons.

▪ ADVANTAGE:

1. Reduces Food Wastage – Surplus food is utilized instead of being thrown away.
2. Helps Poor & Needy – Provides meals to underprivileged people.
3. Promotes Social Responsibility – Encourages individuals, hotels, and organizations to contribute to society.
4. Cost-Effective – No extra production cost, as food is already available.
5. Supports Sustainable Goals – Contributes to “Zero Hunger” and reduces environmental impact of food waste.
6. Builds Community Support – Creates a connection between donors, NGOs, and society.

. DISADVANTAGE:

1. Food Safety Concerns – Risk of serving spoiled or contaminated food if not handled properly.
2. Logistics Issues – Timely collection and delivery can be challenging.

3. Dependence on Volunteers – Requires active NGO/volunteer participation for success.
4. Limited Storage – Perishable food must be distributed quickly, which may cause wastage if demand is less.
5. Awareness Gap – Many potential donors may not be aware of the platform or may hesitate to share food.

CONCLUSION:

This project highlights the importance of reducing food wastage and utilizing surplus food to serve society. By creating a platform that connects food donors with NGOs and volunteers, leftover food can be effectively collected and distributed to the poor and needy. The system ensures that edible food is not wasted but reaches those who are struggling to get daily meals.

Through this initiative, we can not only minimize hunger but also promote social responsibility, community welfare, and environmental sustainability. This project contributes to the vision of "Zero Hunger" and sets an example of how technology can be used for a meaningful social cause.