

TO SUPPLY LEFTOVER FOOD TO POOR

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INTRODUCTION

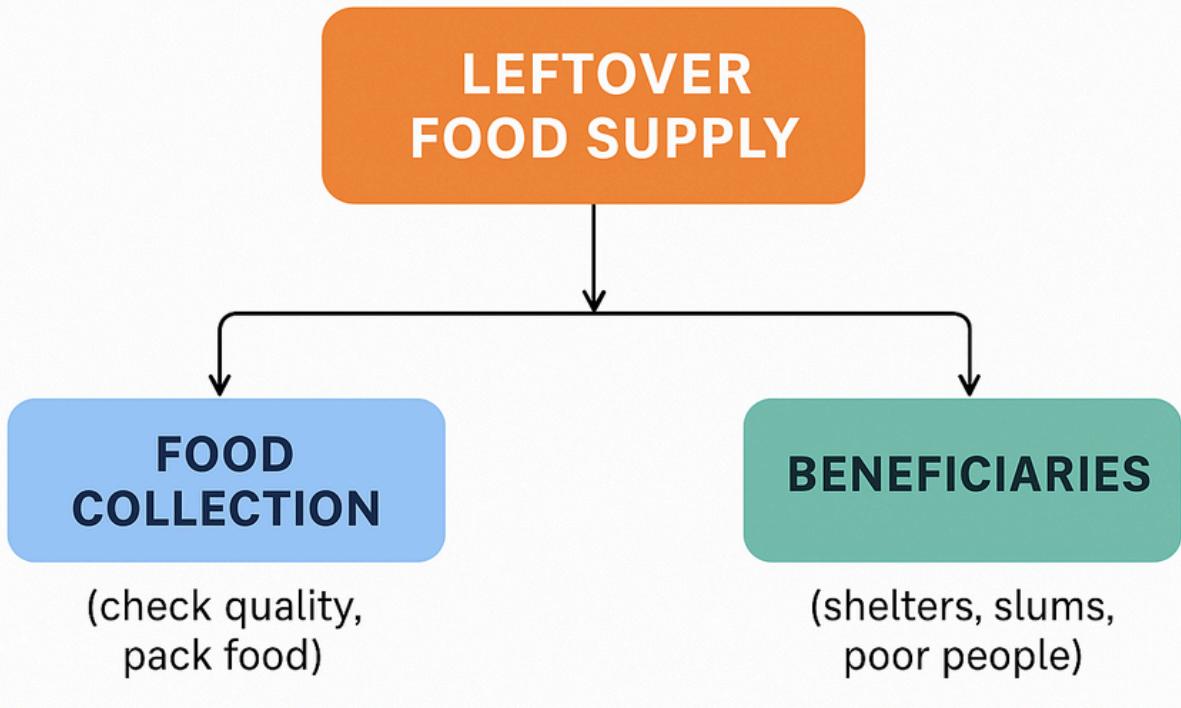
Food wastage is a major issue across the world, while at the same time, many people struggle with food insecurity. Every day, a large amount of edible food is discarded by restaurants, parties, and households. This project addresses the gap between excess food and those in need by creating system that collects surplus food and delivers it to poor communities.

Project Overview

This project aims to create a structured and efficient system to collect and supply leftover or surplus food from restaurants, homes, events, and other sources to underprivileged people. By using technology and proper coordination, the project ensures that those who need it most. The focus is on reducing food waste, addressing hunger, and maximizing the use of available resources while ensuring safety and hygiene.

Diagram

LEFTOVER FOOD SUPPLY



Purpose

The main purpose of this project is to collect leftover or surplus food from various sources and supply it to underprivileged people in a safe and efficient manner. It aims to reduce food waste, support communities facing hunger, and ensure that available resources are used effectively. By checking food quality and coordinating its distribution, the project helps improve the well-being of people in need while promoting sustainability and social responsibility.

DEVELOPMENT PHASE

Creating Developer Account:

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

The screenshot shows a web browser with three tabs open: 'nmlogin - Yahoo India Search R', 'Naan Mudhalvan Massive Upsk...', and 'Developer Edition with Agentforce'. The main content is a sign-up form for the 'Developer Edition' on the Salesforce platform.

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First name	Last name
Naveetha	G
Job title	Work email
Developer	n7430341@gmail.co
Company	Country/Region
Salesforce	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.

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes tabs for 'Setup', 'Home', and 'Object Manager'. The main title is 'SETUP > OBJECT MANAGER' followed by 'Venue'. On the left, a sidebar lists various configuration options under 'Details': Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The right panel displays the 'Details' section for the 'Venue' object. It includes fields for Description, API Name (set to 'Venue__c'), Singular Label ('Venue'), Plural Label ('Venues'), and several checkboxes for reports and tracking. Deployment status is set to 'Deployed'.

- *Created objects: Venue, Drop-Off point, Task, Volunteer, Execution Details.*

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes tabs for 'Setup', 'Home', and 'Object Manager'. The main title is 'SETUP > OBJECT MANAGER' followed by 'Drop-Off Point'. On the left, a sidebar lists various configuration options under 'Details': Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The right panel displays the 'Details' section for the 'Drop-Off Point' object. It includes fields for Description, API Name (set to 'Drop_Off_Point__c'), Singular Label ('Drop-Off Point'), Plural Label ('Drop-Off Points'), and several checkboxes for reports and tracking. Deployment status is set to 'Deployed'.

The screenshot shows the Salesforce Setup interface for the 'Task' object. The left sidebar lists various setup categories like Fields & Relationships, Page Layouts, and Buttons, Links, and Actions. The main panel displays the 'Details' tab for the Task object. The API Name is set to 'Task_c'. The object is marked as 'Custom' and has a singular label 'Task' and a plural label 'Tasks'. On the right, there are sections for enabling Reports, Activities, and Field History, along with deployment status and help settings. The top navigation bar shows multiple browser tabs, and the bottom taskbar includes the Windows Start button, a search bar, and various system icons.

SETUP > OBJECT MANAGER

Task

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

The screenshot shows the Salesforce Setup interface for the 'Volunteer' object. The left sidebar lists various setup categories. The main panel displays the 'Details' tab for the Volunteer object. The API Name is set to 'Volunteer_c'. The object is marked as 'Custom' and has a singular label 'Volunteer' and a plural label 'Volunteers'. On the right, there are sections for enabling Reports, Activities, and Field History, along with deployment status and help settings. The top navigation bar shows multiple browser tabs, and the bottom taskbar includes the Windows Start button, a search bar, and various system icons.

SETUP > OBJECT MANAGER

Volunteer

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

Edit Delete

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

Object Manager

Execution Detail

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

Buttons: Edit, Delete

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

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

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

Action	Label	Tab Style	Description
Edit Del	Drop-Off Points	Apple	
Edit Del	Execution Details	Apple	
Edit Del	Tasks	Alarm clock	
Edit Del	Venues	Alarm clock	
Edit Del	Volunteers	Apple	

Web Tabs

Help for this Page

Navigation: User Interface, Rename Tabs and Labels, Tabs.

- *Create a custom tabs*

Lightning Experience App Manager

App Name	Developer...	Description	Last Modified ...	App ...	Visi...
10 Data Manager	DataManager	Use Data Manager to view limits, monitor usage, and manage recipes.	8/27/2025, 8:43 AM	Lightning	✓
11 Digital Experiences	SalesforceCMS	Manage content and media for all of your sites.	8/27/2025, 8:43 AM	Lightning	✓
12 FoodConnect	FoodConnect		9/1/2025, 10:15 AM	Lightning	✓
13 Lightning Usage App	LightningInstr...	View Adoption and Usage Metrics for Lightning Experience	8/27/2025, 8:43 AM	Lightning	✓
14 Marketing CRM Cla...	Marketing	Track sales and marketing efforts with CRM objects.	8/27/2025, 8:43 AM	Classic	✓
15 My Service Journey	MSJApp	Discover new customer service capabilities.	8/27/2025, 8:43 AM	Lightning	✓
16 Platform	Platform	The fundamental Lightning Platform	8/27/2025, 8:43 AM	Classic	✓
17 Queue Management	QueueManage...	Create and manage queues for your business.	8/27/2025, 8:43 AM	Lightning	✓
18 Sales	Sales	The world's most popular sales force automation (SFA) solution	8/27/2025, 8:43 AM	Classic	✓
19 Sales	LightningSales	Manage your sales process with accounts, leads, opportunities, and m...	8/27/2025, 8:43 AM	Lightning	✓
20 Sales Cloud Mobile	SalesCloudMo...	New seller focused mobile first experience	8/27/2025, 8:43 AM	Lightning	✓

- *Create a lightning app*

SETUP > OBJECT MANAGER

Venue

Fields & Relationships		
8 Items, Sorted by Field Label		
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)

Screenshot of the Salesforce Setup interface showing the Object Manager for the "Drop-Off Point" object.

The page title is "Drop-Off Point".

The left sidebar shows the following navigation items:

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

The main content area displays the "Fields & Relationships" section with 9 items, sorted by Field Label:

FIELD LABEL	FIELD NAME	DATA TYPE
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	Venue__c	Lookup(Venue)

At the bottom of the page, there is a toolbar with various icons and system status information.

Screenshot of the Salesforce Setup interface showing the Object Manager for the "Task" object.

The page title is "Task".

The left sidebar shows the following navigation items:

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

The main content area displays the "Fields & Relationships" section with 16 items, sorted by Field Label:

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)		
Last Modified By	LastModifiedById	Lookup(User)		

At the bottom of the page, there is a toolbar with various icons and system status information.

nm login - Yahoo India Search | - Student | salesforce login - Yahoo Ind | Home | Salesforce | Task | Salesforce

orgfarm-0ac362a56c-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK000001xDyL/FieldsAndRelationships/view

Cloud Search Setup Object Manager

SETUP > OBJECT MANAGER

Task

Details

Fields & Relationships
16 Items, Sorted by Field Label

	Field Label	Field Name	Type
Name of the Person	Name_of_the_Person_c	Text(10)	
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	
Sponsored By	Sponsored_By_c	Lookup(Venue)	
Task ID	Task_ID_c	Auto Number	
Task Name	Name	Text(80)	

Quick Find New Deleted Fields Field Dependencies Set History Tracking

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

01:03 15-09-2025

nm login - Yahoo India Search | - Student | salesforce login - Yahoo Ind | Home | Salesforce | Volunteer | Salesforce

orgfarm-0ac362a56c-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK000001xEJJ/FieldsAndRelationships/view

Cloud Search Setup Object Manager

SETUP > OBJECT MANAGER

Volunteer

Details

Fields & Relationships
13 Items, Sorted by Field Label

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	CreatedBy	Lookup(User)		
Date of Birth	Date_of_Birth_c	Date		
Drop-Off Point	Drop_Off_Point_c	Master-Detail(Drop-Off Point)		

Quick Find New Deleted Fields Field Dependencies Set History Tracking

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

01:04 15-09-2025

Screenshot of the Salesforce Setup interface showing the Object Manager for the 'Volunteer' object.

Fields & Relationships

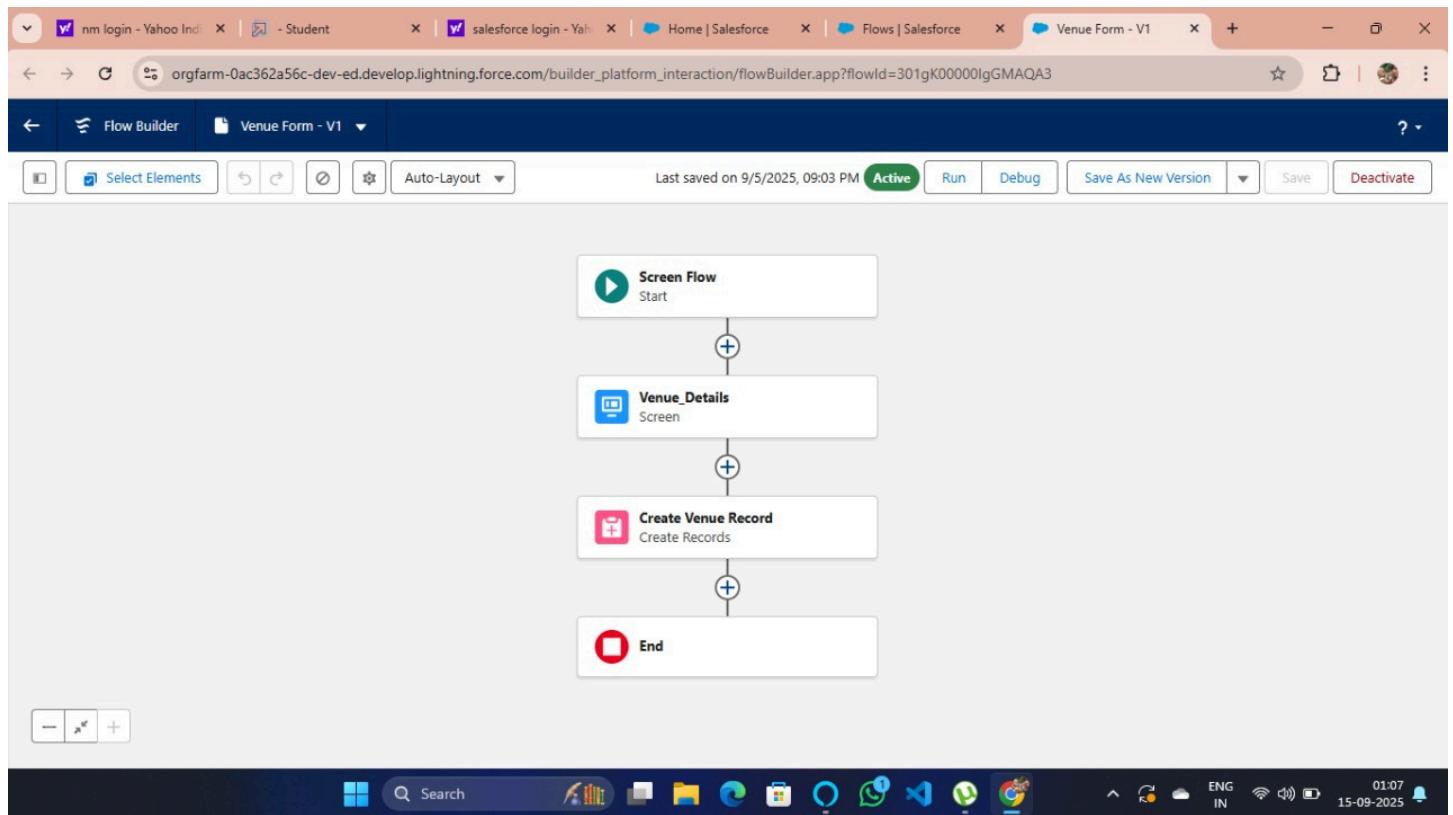
Field Label	Data Type	Controlling Field
Drop-Off Point	Master-Detail(Drop-Off Point)	Drop_Off_Point_c
Email	Email	Email_c
Execution ID	Auto Number	Execution_ID_c
Gender	Picklist	Gender_c
Last Modified By	Lookup(User)	LastModifiedById
Volunteer ID	Auto Number	Volunteer_ID_c
Volunteer Name	Text(80)	Name

Screenshot of the Salesforce Setup interface showing the Object Manager for the 'Execution Detail' object.

Fields & Relationships

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Execution Detail Name	Name	Text(80)		
Last Modified By	LastModifiedById	Lookup(User)		
Task	Task_c	Master-Detail(Task)		
Volunteer	Volunteer_c	Master-Detail(Volunteer)		

- *Creation of fields and relationships*



- *Implemented Flows*

The screenshot shows the Salesforce Developer Console. The URL is https://orgfarm-0ac362a56c-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage. The trigger code is:

```

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

```

The console includes tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Problems tab is selected. The bottom of the screen shows a Windows taskbar with various icons and the date/time: 15-09-2025, 01:09.

- *Creating a Trigger Coding*

Profiles

NGOs Profile

Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information.

If your organization uses Record Types, use the Edit links in the Record Type Settings section below to make one or more record types available to users with this profile.

[Login IP Ranges](#) | [Enabled Apex Class Access](#) | [Enabled Visualforce Page Access](#) | [Enabled External Data Source Access](#) | [Enabled Named Credential Access](#) | [Enabled External Credential Principal Access](#) | [Enabled Custom Metadata Type Access](#) | [Enabled Custom Setting Definitions Access](#) | [Enabled Flow Access](#) | [Enabled Service Presence Status Access](#) | [Enabled Custom Permissions](#)

Profile Detail	
Name	NGOs Profile
User License	Salesforce Platform
Description	
Created By	NAVEETHA G. 9/4/2025, 10:02 AM
Modified By	NAVEETHA G. 9/11/2025, 2:12 AM

Page Layouts	
Standard Object Layouts	Global Global Layout [View Assignment] Lead Lead Layout [View Assignment]
Email Application	Not Assigned [View Assignment] Location Location Layout [View Assignment]

- *Creating a profile*

Users

Iksha Foundation Iksha_Foundation

User Profile Help for this Page

[Permission Set Assignments](#) | [Permission Set Assignments: Activation Required](#) | [Permission Set Group Assignments](#) | [Permission Set License Assignments](#) | [Personal Groups](#) | [Public Group Membership](#) | [Queue Membership](#) | [Team](#) | [Managers in the Role Hierarchy](#) | [OAuth Areas](#) | [Third-Party Account Links](#) | [Built-in Authenticators](#) | [Installed Mobile Apps](#) | [Authentication Settings for External Systems](#) | [Login History](#) | [User Provisioning Accounts](#)

User Detail	
Name	Iksha Foundation Iksha_Foundation
Alias	iksh
Email	n7430341@gmail.com (Verify)
Username	iksha@nga.com
Nickname	User17570056171198302740
Title	
Company	
Department	
Division	
Address	
Time Zone	(GMT-07:00) Pacific Daylight Time (America/Los_Angeles)
Locale	English (United States)
Role	Salesforce Platform
User License	NGOs Profile
Profile	NGOs Profile
Active	<input checked="" type="checkbox"/>
Marketing User	<input type="checkbox"/>
Offline User	<input type="checkbox"/>
Knowledge User	<input type="checkbox"/>
Flow User	<input type="checkbox"/>
Service Cloud User	<input type="checkbox"/>
Site.com Contributor User	<input type="checkbox"/>
Site.com Publisher User	<input type="checkbox"/>
WDC User	<input type="checkbox"/>

To get more licenses, use the Your Account app. [Let's Go](#)

View: [All Users](#) [Edit](#) | [Create New View](#)

Action	Full Name	Alias	Username	Role	Active	Profile
Edit	Chatter Expert	Chatter	chatty@00dgk00000a7fmlua3.tlyrgm9pbpnj@chatter.salesforce.com		✓	Chatter Free User
Edit	EPIC_OrgFarm	EPIC	spic.d9f38a2494ea@orgfarm.salesforce.com		✓	System Administrator
Edit	G_NAVEETHA	n74	n7430341118@agentforce.com		✓	System Administrator
Edit	Iksha_Foundation_Iksha Foundation	iksh	iksha@nga.com		✓	NGOs Profile
Edit	NSS_NSS	nss	nss@sb11.com		✓	NGOs Profile
Edit	Street Cause_Street Cause	sstre	streetcause@sb12.com		✓	NGOs Profile
Edit	User_Integration	integ	integration@00dgk00000a7fmlua3.com		✓	Analytics Cloud Integration User
Edit	User_Security	sec	insightsecurity@00dgk00000a7fmlua3.com		✓	Analytics Cloud Security User

• Creation of users

Search Setup

View: [All](#) [Edit](#) | [Create New View](#)

Action	Label	Group Name	Created By	Created Date
Edit	Iksha	Iksha	G_NAVEETHA	9/4/2025, 10:42 AM
Edit	NSS	NSS	G_NAVEETHA	9/4/2025, 10:43 AM
Edit	StreetCause	StreetCause	G_NAVEETHA	9/4/2025, 10:46 AM

• Creation of Public Groups

Details

Display Label: Venue with DropOff with Volunteer
API Name: Venue_with_DropOff_with_Volunteer
Description: Venue with DropOff with Volunteer
Created By: NAVEETHA G, 9/4/25, 11:36 PM
Store in C... other
Deployme... Deployed
Modified By: NAVEETHA G, 9/4/25, 11:36 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 Venn diagram with three overlapping circles labeled A, B, and C. Circle A is blue, circle B is orange, and circle C is green. The intersection of all three circles is shaded grey. An arrow points downwards from the intersection area to a horizontal bar chart below.

A B C

A B C

- *Creation of Report Types*

Recent

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Sample Flow Report: Screen Flows	Which flows run, what's the status of each interview, and how long do users take to complete the screens?	Public Reports	Automated Process	8/27/2025, 8:43 AM	
Created by Me	venue and Drop Off point		Private Reports	NAVEETHA G	9/4/2025, 11:30 AM	
Public Reports	Volunteer Task		Private Reports	NAVEETHA G	9/4/2025, 12:00 PM	
All Reports						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						

- *Creation of reports in app*

Dashboards

Recent

4 items

DASHBOARDS	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Task Execution Details	Private Dashboards	NAVEETHA G	9/11/2025, 12:44 PM		
Created by Me	Custom Dashboards	Private Dashboards	NAVEETHA G	9/5/2025, 7:38 AM		
Private Dashboards	Enablement Dashboard	View data on how Enablement helps drive your business outcomes. This is your main dashboard for all Enablement analytics. Don't delete it. If you want to make changes to this dashboard, duplicate it.	Enablement Dashboard Spring '24	Automated Process	8/27/2025, 8:43 AM	
All Dashboards	Custom Dashboards	Custom Dashboards	Private Dashboards	NAVEETHA G	9/5/2025, 7:50 AM	
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						

- *Creation of dashboard in app*

Sharing

Security

Sharing Settings

Guest User Sharing Rule Access Report

Sharing Settings

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

Sharing Settings

No sharing rules specified.

Custom Tab Sharing Rules

New Recalculate

Custom Tab Sharing Rules Help

No sharing rules specified.

Drop-Off Point Sharing Rules

New Recalculate

Drop-Off Point Sharing Rules Help

Action	Criteria	Shared With	Access Level
Edit Del	Drop-Off Point: Distance LESS THAN 15	Group: Iksha	Read Only
Edit Del	(Drop-Off Point: Distance GREATER THAN 15) AND (Drop-Off Point: Distance LESS OR EQUAL 30)	Group: NSS	Read Only
Edit Del	(Drop-Off Point: Distance GREATER THAN 30) AND (Drop-Off Point: Distance LESS OR EQUAL 50)	Group: StreetCause	Read Only

Task Sharing Rules

New Recalculate

Task Sharing Rules Help

No sharing rules specified.

Venue Sharing Rules

New Recalculate

Venue Sharing Rules Help

No sharing rules specified.

- *Creation of rules*

The screenshot shows the Salesforce Lightning App Builder interface. At the top, there are several tabs: 'nm login - Yahoo Ind' (closed), '- Student' (closed), 'salesforce login - Yah' (closed), 'Recent | Dashboards' (closed), 'Lightning App Builder' (active), and 'Venue Form - V1' (closed). Below the tabs, the URL is orgfarm-0ac362a56c-dev-ed.develop.lightning.force.com/lightning/setup/FlexiPageList/home. The main header has a blue cloud icon, a search bar with 'Search Setup', and various navigation icons. On the left, a sidebar shows 'User Interface' and 'Lightning App Builder' (selected). A message says ' Didn't find what you're looking for? Try using Global Search.' Below the sidebar is a search bar with 'Q. lightning app'. The main content area is titled 'Lightning App Builder' with a gear icon. It contains a brief description: 'The Lightning App Builder provides an easy to use graphical interface for creating custom Lightning pages for Salesforce Lightning Experience and mobile app. Lightning pages are built using Lightning components—compact, configurable, and reusable elements that you can drag and drop into regions of the page in the Lightning App Builder.' Below this is a table titled 'Lightning Pages' with a 'New' button. The table has columns: Action, Label (sorted), Name, Namespace Prefix, Description, Type, Created By, and Last Modified By. There is one row: 'Edit | Clone | Del' for 'HOME_Page', 'HOME_Page' for Name, 'Namespace Prefix' for Namespace Prefix, 'Description' for Description, 'Home Page' for Type, 'n74, 9/5/2025, 8:42 AM' for Created By, and 'n74, 9/5/2025, 8:46 AM' for Last Modified By. At the bottom of the screen, there is a taskbar with various icons and system status indicators.

- *Creation of Home Page*

- ***APEX TRIGGER***

Create an Apex Trigger

Developer Console - Google Chrome
orgfarm-0ac362a56c-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < ▾ >

DropOffTrigger.apxt API Version: 64 Go To

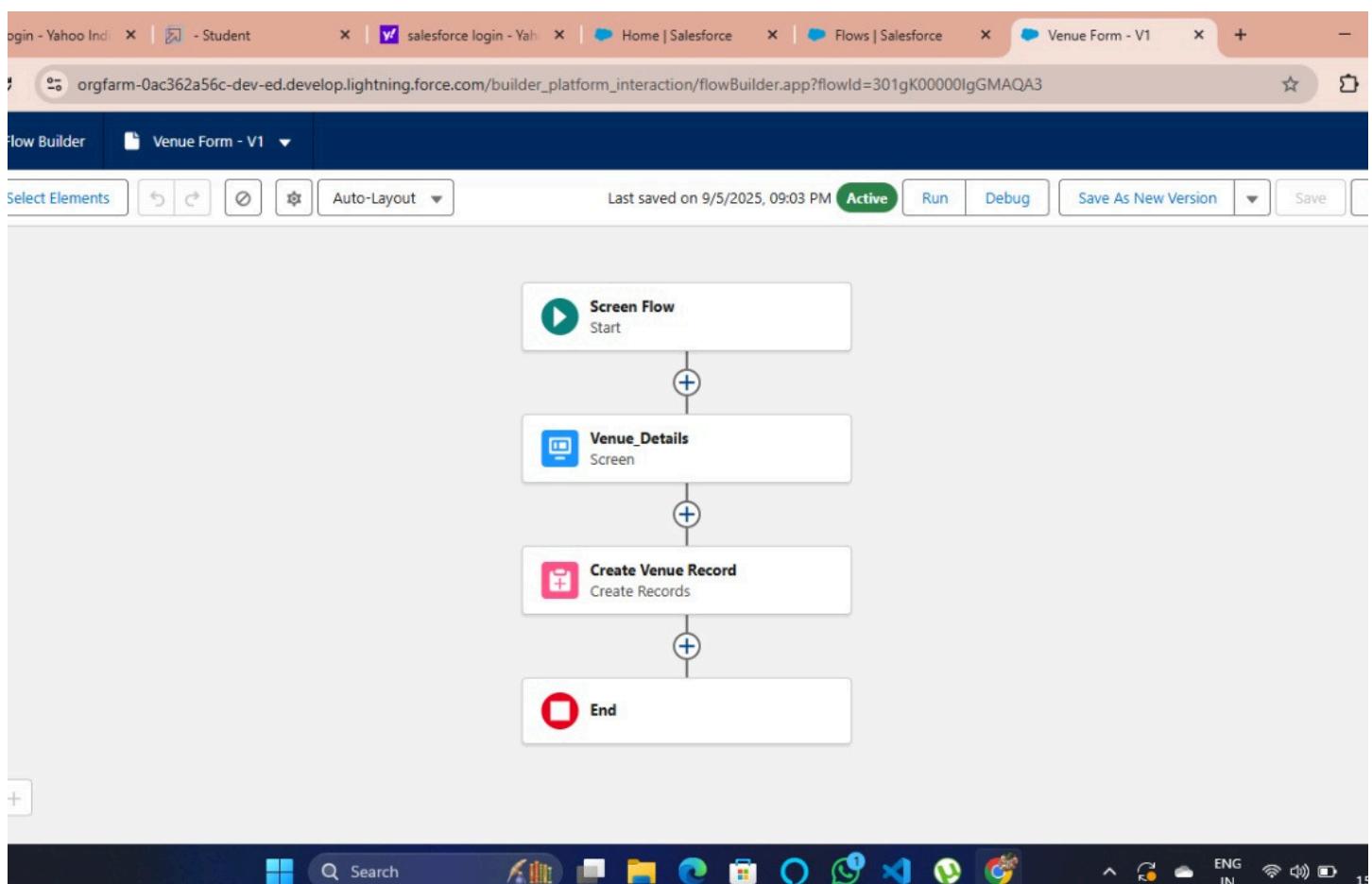
Code Coverage: None

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

Logs Tests Checkpoints Query Editor View State Progress Problems

Name Line Problem

01:09 ENG IN 15-09-2025



- **FLows**

RESULTS

The screenshot shows the Salesforce Setup interface with the 'Custom Tabs' page open. The top navigation bar includes tabs for 'nm login - Yahoo India Search', '- Student', 'salesforce login - Yahoo Inc.', 'Home | Salesforce', and 'Tabs | Salesforce'. The main content area has a search bar and a sidebar with 'User interface' and 'Rename Tabs and Labels' sections. The 'Tabs' section is selected. A message says 'Didn't find what you're looking for? Try using Global Search.' Below is a table for 'Custom Object Tabs' with five entries:

Action	Label	Tab Style	Description
Edit Del	Drop-Off Points	Apple	
Edit Del	Execution Details	Apple	
Edit Del	Tasks	Alarm clock	
Edit Del	Venues	Alarm clock	
Edit Del	Volunteers	Apple	

Below the table is a 'Web Tabs' section with a similar structure.

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.

APPENDIX

- **Source Code: Provided in Apex Triggers**

test.apxt

```
trigger DropOffTrigger on Drop_Off_point__c (before insert) {
```

```
    for(Drop_Off_point__c Drop : Trigger.new){
```

```
        Drop.Distance__c = Drop.distance__c;
```

```
}
```

```
}
```

testHandler.apxc:

```
@isTest
```

```
public class testhandler {
```

```
@isTest
```

```
static void testDonateFood() {
```

```
// Call the donateFood method
```

```
    FoodHandler.donateFood('Hotel A', 'Rice Packets', 20,  
    'Chennai');
```

```
// Verify record is inserted
```

```
Food__c f=[SELECT Donor__c, Food_Item__c, Quantity__c,  
Location__c  
FROM Food__c LIMIT 1];
```

```
System.assertEquals('Hotel A', f.Donor__c);
```

```
System.assertEquals('Rice Packets', f.Food_Item__c);
```

```
System.assertEquals(20, f.Quantity__c);
```

```
System.assertEquals('Chennai', f.Location__c);
```

```
}
```

```
@isTest
```

```
static void testGetAvailableFood() {
```

```
// Insert sample record
```

```
Food__c f=new Food__c(Donor__c='NGO B',  
Food_Item__c='Chapati', Quantity__c=50, Location__c='Madurai');  
insert f;
```

```
// Call method
```

```
List<Food__c> foods = FoodHandler.getAvailableFood();
```

```
// Assert records are returned  
  
System.assertEquals(0, foods.size());  
  
}  
  
}
```

MonthlyEmailScheduler.apxc:

```
@isTest  
  
private class EmailSchedulerTest {  
  
    @isTest  
  
    static void testExecute() {  
  
        Test.startTest();  
  
        EmailScheduler scheduler = new EmailScheduler();  
  
        String jobId = System.schedule('Test Monthly Email', '0 0  
1 1 * ?', scheduler);  
  
        Test.stopTest();  
  
        // No asserts needed because Messaging is not sent in test  
        // context
```

```
System.assertEquals(null, jobId);
```

```
}
```

```
}
```