

AKSHAYA COLLEGE OF ARTS & SCIENCE
Kinathukadavu,Coimbatore – 642109

TO SUPPLY LEFTOVER FOOD TO POOR

ID: NM2025TMID24852

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1.INTRODUCTION

1.1 Project Overview

This project titled "To Supply Leftover Food to Poor" aims to address the critical issue of food wastage and hunger by creating a sustainable system to collect leftover food from restaurants, hostels, functions, etc., and distribute it to underprivileged people in urban and rural areas.

1.2 Purpose

The main purpose of this project is to reduce food wastage and alleviate hunger by collecting leftover, edible food from sources like restaurants, hostels, weddings, and other events, and distributing it to the needy and underprivileged people in society.

DEVELOPMENT PHASE

Creating Developer Account:

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

Browser tabs: All Mail - 23itbavithra@acascb, Home | Salesforce, Drop-Off Point | Salesforce, - Student

Address bar: orgfarm-1e1fa50e5c-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL000001kCwr/edit?address=%2F01lgL000001kCwr%2Fe%3FretURL%3D%252Fsetup%252Fobject%252F01lgL00...

Search Setup

Setup Home Object 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
- List View Button Layout
- Restriction Rules
- Scoping Rules

Edit Custom Object

Drop-Off Point

Custom Object Definition Edit

Save Save & New Cancel

Custom Object Information

The singular and plural labels are used in tabs, page layouts, and reports. Be careful when changing the name or label as it may affect existing integrations and merge templates.

Label Example: Account

Plural Label Example: Accounts

Starts with vowel sound ☐

The Object Name is used when referencing the object via the API.

Object Name Example: Account

Description

Context-Sensitive Help Setting

☒ Open the standard Salesforce.com Help & Training window

☐ Open a window using a Visualforce page

Content Name

Enter Record Name Label and Format

The Record Name appears in page layouts, key lists, related lists, lookups, and search results. For example, the Record Name for Account is "Account Name" and for Case it is "Case Number". Note that the Record Name field is always called "Name" when referenced via the API.

Record Name Example: Account Name

31°C Partly sunny

Search

ENG IN 14:24 06-09-2025

Browser tabs: All Mail - 23itbavithra@acascb, Home | Salesforce, Task | Salesforce, - Student

Address bar: orgfarm-1e1fa50e5c-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL000001kD1h/edit?address=%2F01lgL000001kD1h%2Fe%3FretURL%3D%252Fsetup%252Fobject%252F01lgL00...

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Task

Details

- Fields & Relationships
- Page Layouts
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- Buttons, Links, and Actions
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Task

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Record Name Example: Account Name

31°C Partly sunny

Search

ENG IN 14:24 06-09-2025

Volunteer

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

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Record Name: Example: Account Name

Execution Detail

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

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Record Name: Example: Account Name

Developed Lightning App with relevant tabs:

The screenshot shows the 'New Lightning App' setup screen in Salesforce. The 'App Details & Branding' section is active, where the user is configuring the app's name, developer name, description, branding image, and primary color. The 'App Details' section includes fields for 'App Name' (FoodConnect), 'Developer Name' (FoodConnect), and 'Description' (Enter a description...). The 'App Branding' section includes an 'Image' upload button and a 'Primary Color Hex Value' dropdown set to '#0070D2'. Below these sections is an 'App Launcher Preview' and a 'Next' button. The background shows a list of existing Lightning apps.

ID	App Name	Developer Name	Description	Created At	Theme	Status
13	Lightning Usage App	LightningInstrumentation	View Adoption and Usage Metrics for Lightning Experience	8/19/2025, 10:23 PM	Lightning	✓
14	Marketing CRM Classic	Marketing	Track sales and marketing efforts with CRM objects.	8/19/2025, 10:23 PM	Classic	✓
15	My Service Journey	MSJApp	Discover new customer service capabilities.	8/19/2025, 10:23 PM	Lightning	✓

The screenshot shows the 'New Lightning App' setup screen in Salesforce, specifically the 'App Options' section. This section allows the user to configure navigation and form factors, setup experience, and app personalization settings. The 'Navigation and Form Factor' section includes options for 'Navigation Style' (Standard navigation, Console navigation) and 'Supported Form Factors' (Desktop and phone, Desktop, Phone). The 'Setup and Personalization' section includes options for 'Setup Experience' (Setup (full set of Setup options), Service Setup, Data Cloud Setup) and 'App Personalization Settings' (Disable end user personalization of nav items in this app, Disable temporary tabs for items outside of this app, Use Omni-Channel sidebar). The 'Back' and 'Next' buttons are visible at the bottom of the setup card. The background shows the same list of existing Lightning apps as the previous screenshot.

ID	App Name	Developer Name	Description	Created At	Theme	Status
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orgfarm-1e1fa50e5c-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home

New Lightning App

Navigation Items

Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support.

Available Items

repo

Selected Items

- Home
- Venues
- Drop-Off Points
- Tasks
- Execution Details
- Reports

Back Next

13	Lightning Usage App	LightningInstrumentation	View Adoption and Usage Metrics for Lightning Experience	8/19/2025, 10:23 PM	Lightning	✓
14	Marketing CRM Classic	Marketing	Track sales and marketing efforts with CRM objects.	8/19/2025, 10:23 PM	Classic	✓
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orgfarm-1e1fa50e5c-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home

New Lightning App

User Profiles

Choose the user profiles that can access this app.

Available Profiles

systeme

Salesforce API Only System Integrations

Selected Profiles

System Administrator

Back Save & Finish

13	Lightning Usage App	LightningInstrumentation	View Adoption and Usage Metrics for Lightning Experience	8/19/2025, 10:23 PM	Lightning	✓
14	Marketing CRM Classic	Marketing	Track sales and marketing efforts with CRM objects.	8/19/2025, 10:23 PM	Classic	✓
15	My Service Journey	MSJApp	Discover new customer service capabilities.	8/19/2025, 10:23 PM	Lightning	✓

Configured fields and relationships for Venue, Drop-Off Point, Task, Volunteer, Execution Detail:

The screenshot shows the Salesforce Setup interface for configuring the 'Drop-Off Point' field on the 'Volunteer' object. The left sidebar lists navigation options: 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, List View Button Layout, Restriction Rules, and Scoping Rules. The main content area is titled 'Drop-Off Point' and contains a 'Custom Field Definition Edit' form. The 'Field Information' section includes: Field Label 'Drop-Off Point', Field Name 'Drop_Off_Point', Description, Help Text, Data Owner 'User', Field Usage '--None--', Data Sensitivity Level '--None--', and Compliance Categorization with 'Available' (PII, HIPAA, GDPR, PCI) and 'Chosen' lists. The 'Master-Detail Options' section shows 'Related To' as 'Drop-Off Point', 'Related List Label' as 'Volunteers', and 'Child Relationship Name' as 'Volunteers'. A note at the bottom states: 'Select the minimum access level required on the Master record to create, edit, or delete related Detail records: Read Only. Allows users with at least Read access to the Master record to create, edit, or delete related Detail records.'

The screenshot shows the Salesforce Setup interface for configuring the 'Execution Detail' field on the 'Volunteer' object. The left sidebar is identical to the previous screenshot. The main content area is titled 'Execution Detail' and contains a 'Custom Field Definition Edit' form. The 'Field Information' section includes: Field Label 'Execution Detail', Field Name 'Execution_Detail', Description, Help Text, Data Owner 'User', Field Usage '--None--', Data Sensitivity Level '--None--', and Compliance Categorization with 'Available' (PII, HIPAA, GDPR, PCI) and 'Chosen' lists. The 'Master-Detail Options' section shows 'Related To' as 'Volunteer', 'Related List Label' as 'Execution Details', and 'Child Relationship Name' as 'Execution_Details'. A note at the bottom states: 'Select the minimum access level required on the Master record to create, edit, or delete related Detail records:'.

Browser tabs: All Mail - 23itbavithra@acascb, Home | Salesforce, Execution Detail | Salesforce, - Student

Address bar: orgfarm-1e1fa50e5c-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL000001KDCz/FieldsAndRelationships/00NgL000001LH53a/edit

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Execution Detail

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

Edit Execution Detail Custom Field

Task

Have feedback on lookup filters? Comment on IdeaExchange! Help for this Page

Custom Field Definition Edit

Change Field Type Save Cancel

Field Information

Field Label Task Data Type Master-Detail

Field Name Task

Description

Help Text

Data Owner User

Field Usage --None--

Data Sensitivity Level --None--

Compliance Categorization

Available: PII, HIPAA, GDPR, PCI

Chosen

Master-Detail Options

Related To Task

Child Relationship Name Execution_Details

Activate Windows

Go to Settings to activate Windows.

Browser tabs: All Mail - 23itbavithra@acascb, Home | Salesforce, Drop-Off Point | Salesforce, - Student

Address bar: orgfarm-1e1fa50e5c-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL000001KCwr/FieldsAndRelationships/00NgL000001L6Lj/edit

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Drop-Off Point

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

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Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Scoping Rules

Edit Drop-Off Point Custom Field

Venue

Have feedback on lookup filters? Comment on IdeaExchange! Help for this Page

Custom Field Definition Edit

Change Field Type Save Cancel

Field Information

Field Label Venue Data Type Lookup

Field Name Venue

Description

Help Text

Data Owner User

Field Usage --None--

Data Sensitivity Level --None--

Compliance Categorization

Available: PII, HIPAA, GDPR, PCI

Chosen

Lookup Options

Related To Venue

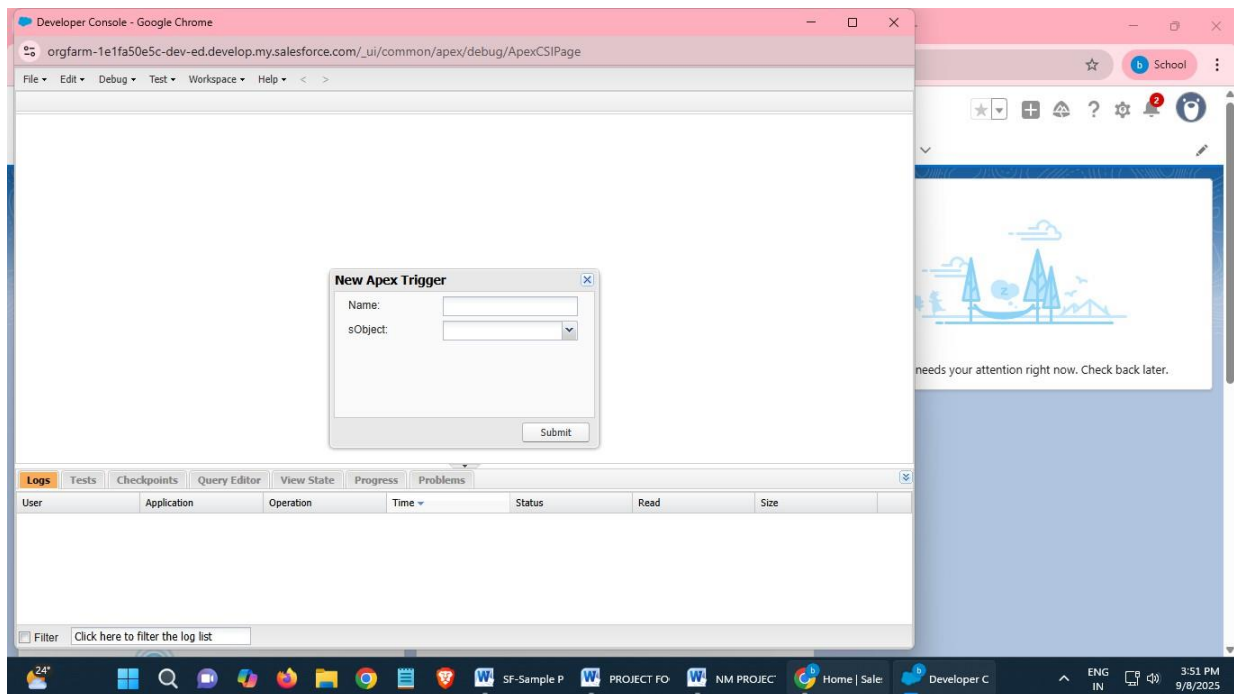
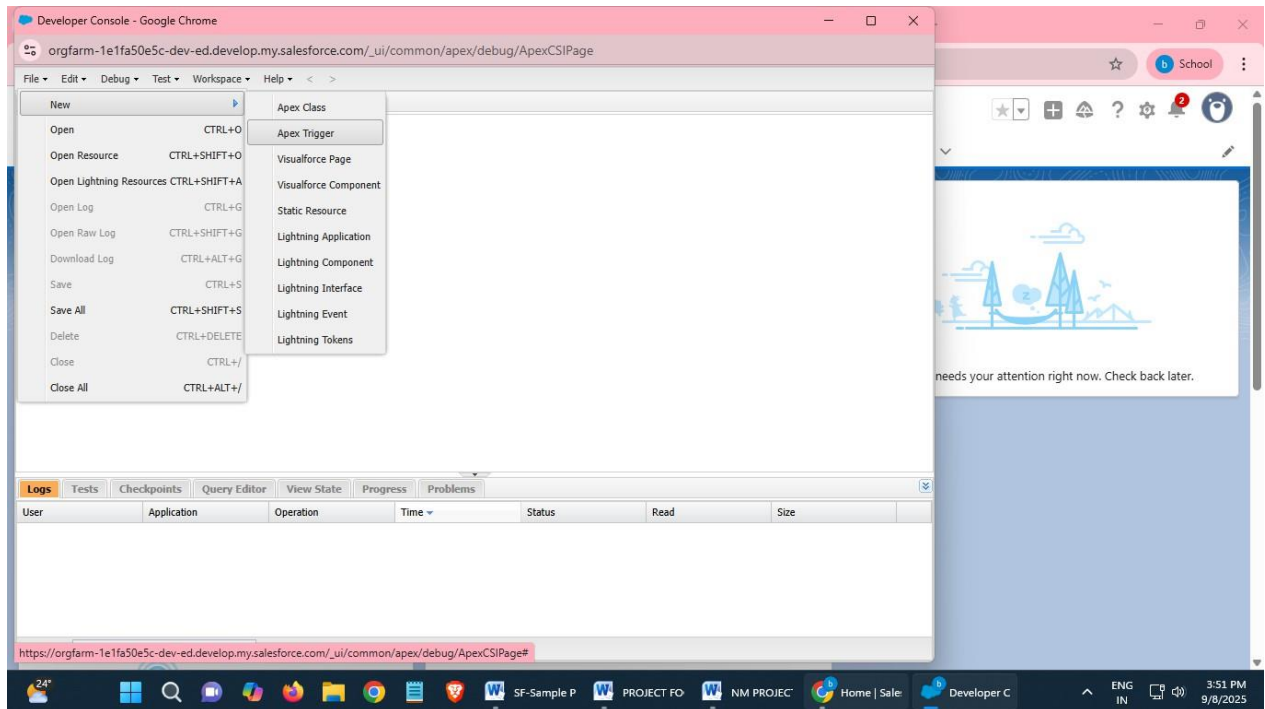
Child Relationship Name Drop_Off_Points

Activate Windows

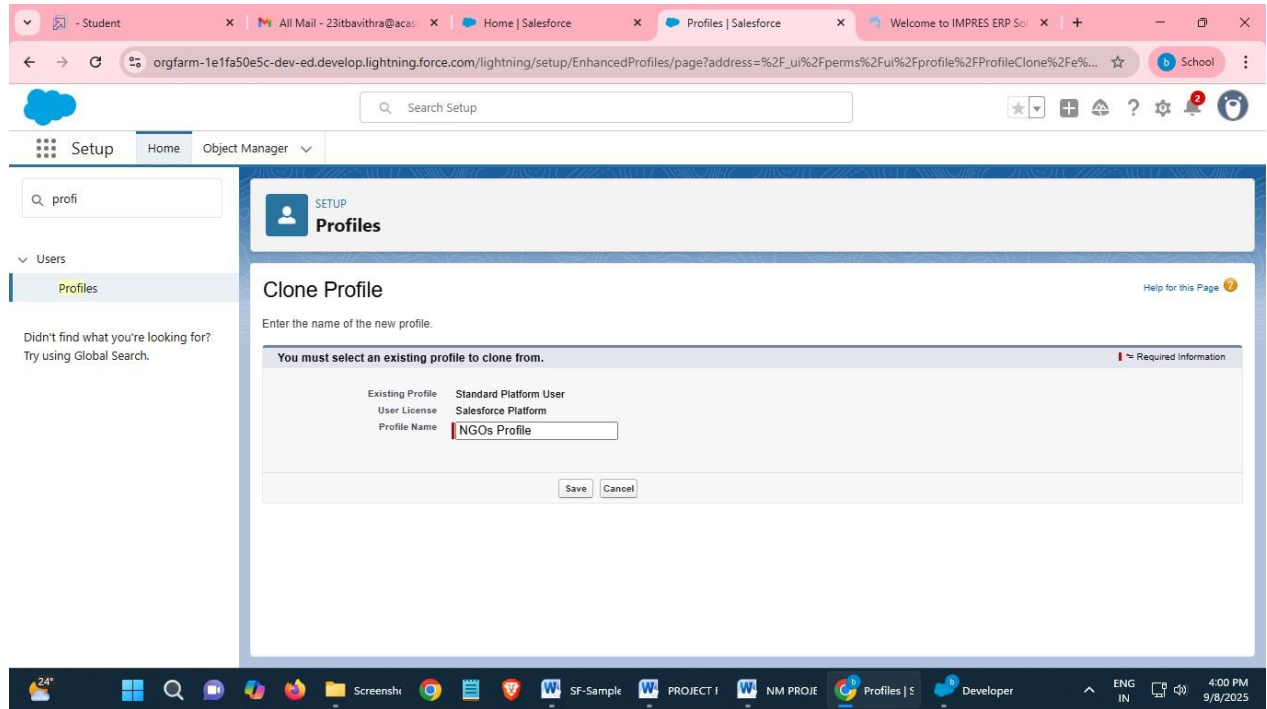
Go to Settings to activate Windows.

Required ☐ Always require a value in this field in order to save a record.

Create a Trigger:



Create Profiles:



Creation of Users:

General Information					
First Name	Iksha Foundation		Role	<None Specified>	
Last Name	Iksha_Foundation		User License	Salesforce Platform	
Alias	iiksh		Profile	NGOs Profile	
Email	bhargavipaila1023@gmail.co		Active	<input checked="" type="checkbox"/>	
Username	ikshafoundation@sb.com		Marketing User	<input type="checkbox"/>	
Nickname	User1711437164226559933		Offline User	<input type="checkbox"/>	
Title			Knowledge User	<input type="checkbox"/>	
Company			Flow User	<input type="checkbox"/>	
Department			Service Cloud User	<input type="checkbox"/>	
Division			Site.com Contributor User	<input type="checkbox"/>	

<input type="checkbox"/>	Edit Login	Iksha_Foundation_Iksha Foundation	iiksh	ikshafoundation@sb.com	✓	NGOs Profile
<input type="checkbox"/>	Edit Login	NSS_NSS	nnss	nss@sb.com	✓	NGOs Profile
<input type="checkbox"/>	Edit Login	Street_Cause_Street Cause	ssstre	streetcause@sb.com	✓	NGOs Profile

Creation of Report Types:

The screenshot shows the Salesforce Setup interface for creating a Custom Report Type. The left sidebar contains a navigation menu with categories like Feature Settings, Analytics, and Security. The main content area is titled 'Custom Report Types' and shows the 'Define the Custom Report Type' step. The 'Report Type Focus' section has 'Primary Object' set to 'Venues'. The 'Details' section contains fields for 'Display Label' (Venue with DropOff with Volunteer), 'API Name' (Venue_with_DropOff_with_Volunteer), and 'Description' (Venue with DropOff with Volunteer). Buttons for 'Cancel' and 'Save' are at the bottom right.

Setup | Home | Object Manager

Search Setup

Custom Report Types

1 Define the Custom Report Type

Report Type Focus

Primary Object Venues

Details

* Display Label Venue with DropOff with Volunteer

* API Name Venue_with_DropOff_with_Volunteer

* Description Venue with DropOff with Volunteer

Cancel Save

Creation of Report on Venue with Drop Off with Volunteer:

Outline Filters 2

Groups

GROUP ROWS

Add group...

Volunteer Name

GROUP COLUMNS

Add group...

Columns

Add column...

Venue Name

Drop-Off point Name

Distance

Previewing a limited number of records. Run the report to see everything.

Volunteer Name	Venue Name	Drop-Off point Name	Distance
- (4)	La Royale Banquet Hall.	Shapur	5.1161
	La Royale Banquet Hall.	Jeedimetla	6,902.9995
	Paradise Garden Function Hall	Suraram Village	28.2332
	Ujwala Grand	-	-
Subtotal			6,936.3488
Total (4)			6,936.3488

Creation of Report on Volunteers with Execution Details and Tasks:

REPORT

Volunteer Task

Volunteers with Execution Details and Tasks

↶ ↷ Add Chart Save & Run Save Close Run

Outline

Filters

Previewing a limited number of records. Run the report to see everything.

Update Preview Automatically

GROUP ROWS

Add group...

Volunteer ID

GROUP COLUMNS

Add group...

Columns

Add column...

Volunteer: Volunteer Name

Task: Task Name

Execution Detail: Execution Detail

Volunteer: Owner Name

Task: Date

Task: Rating

Volunteer ID	Volunteer: Volunteer Name	Task: Task Name	Execution Detail: Execution Detail Name	Volunteer: Owner Name	Task: Date	Task: Rating
2 (1)	Charan	Task 2	Execution 2	Iksha Foundation Iksha_Foundation	28/03/2024	5
Subtotal						
4 (1)	Bhavika	Task 1	Execution 1	Iksha Foundation Iksha_Foundation	28/03/2024	4
Subtotal						
Total (2)						

Row Counts Detail Rows Subtotals Grand Total

Creation Of Dashboards:

Report

venue and Drop Off point

☐ Use chart settings from report

Display As

Groups

Add group...

Columns

Preview

venue and Drop Off point

Venue Name	Drop-Off point Name	Distance
La Royale Banquet Hall.	Shapur	5.1161
La Royale Banquet Hall.	Jeedimetla	6.9030κ
Paradise Garden Function Hall	Suraram Village	28.2332
Ujwala Grand	-	-

View Report (venue and Drop Off point)

Report

Volunteer Task

☐ Use chart settings from report

Display As



X-Axis

Volunteer ID

Y-Axis

Preview

Volunteer Task



View Report (Volunteer Task)



Dashboard

Task Execution Details

As of 29-Mar-2024, 9:55 am Viewing as Palla Bhargavi

Refresh

Edit

Subscribe



venue and Drop Off point

Venue Name	Drop-Off point Name	Distance
La Royale Banquet Hall.	Shapur	5.1161
La Royale Banquet Hall.	Jeedimetla	6.9030
Paradise Garden Function Hall	Suraram Village	28.2332
Ujwala Grand	-	-

View Report (venue and Drop Off point)

Volunteer Task



View Report (Volunteer Task)



Creation of Home Page:



Dashboard

Task Execution Details

As of 29-Mar-2024, 9:55 am Viewing as Palla Bhargavi

Open

Refresh

Subscribe

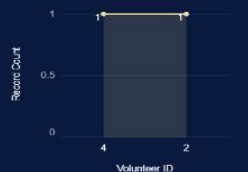


venue and Drop Off point

Venue Name	Drop-Off poi...	Dis...
La Royale Banquet Hall.	Shapur	5.116
La Royale Banquet Hall.	Jeedimetla	6.903
Paradise Garden Function Hall	Suraram Village	28.23
Ujwala Grand	-	-

View Report (venue and Drop Off point)

Volunteer Task



View Report (Volunteer Task)



Flow Component:
Venue Form

This is a placeholder. Flows don't run in the canvas.

Add Component(s) Here

Add Component(s) Here

ADVANTAGES

Environmental Benefits:

Donating surplus food prevents food from being wasted, which reduces the environmental footprint associated with food production and disposal.

Social and Economic Support:

It provides immediate relief to vulnerable people and households, helping to alleviate their food insecurity and reduce personal financial burdens.

Resource Conservation:

Food donation reduces the waste of resources like land, water, fuel, and labor used in food production.

Community Engagement:

It fosters social value and can strengthen community involvement in addressing hunger and food waste.

DISADVANTAGES

Food Safety Risks:

Leftover food, especially after several days in storage, can be a breeding ground for bacteria, posing a risk of foodborne illness for recipients, as bacteria may not always alter the food's taste, smell, or appearance.

Doesn't Address Root Causes:

Donating surplus food does not resolve the underlying issues of poverty and food insecurity, which require structural solutions from governments and companies.

Logistical Challenges:

Establishing effective and hygienic systems for collecting, transporting, and distributing leftover food can be challenging.

Ethical Concerns:

Relying on ad-hoc charity can sometimes divert focus from more robust and sustainable government policies needed to tackle food poverty.

CONCLUSION

Supplying leftover food to the poor is not just an act of charity but also a step towards reducing hunger and preventing food wastage. By channeling surplus food to those in need, we promote compassion, social responsibility, and sustainable living. It creates a society where no one goes to bed hungry while also addressing the problem of excess food disposal. Therefore, donating leftover food is a noble initiative that benefits both humanity and the environment.

APPENDIX

Source Code: Provided in Triggers

```
trigger DropOffTrigger on Drop_Off_point_____c (before
insert)
{
    For (Drop_Off_point_c Drop: Trigger.new)
    {
        Drop.Distance_c = Drop.distance_calculation_c;
    }
}
```