

To Supply Leftover Food to Poor

1. Project Overview

This project is focused on “To Supply Leftover Food to the Poor”, designed to address the challenge of food wastage and hunger. The goal is to deliver a comprehensive solution by leveraging Salesforce Nonprofit Cloud, Service Cloud, and Einstein Analytics. Through this project, we aim to enhance food redistribution efficiency, improve operational visibility, and foster community engagement, supporting the long-term goal of reducing food insecurity and minimizing food waste.

2. Objectives

Business Goals

- Minimize food waste by redirecting leftover food to those in need.
- Create a transparent and traceable food donation process.
- Empower donors, NGOs, and volunteers with a seamless digital experience.

Specific Outcomes

- Development of a Salesforce-based platform to track and manage food donations.
- Real-time inventory and logistics management for food pickups and deliveries.
- Analytical dashboards to measure project impact and optimize operations.

3. Salesforce Key Features and Concepts Utilized

Salesforce Nonprofit Cloud: For NGO collaboration and food request tracking.

Service Cloud: For handling donor and volunteer inquiries.

Einstein Analytics: To provide actionable insights through dashboards and reports.

Custom Objects:

- Food Donations: Tracks details of donated food.
- Pickup Schedules: Manages logistics for pickups and deliveries.
- Distribution: Logs food delivery to NGOs and end beneficiaries.

Automations:

- Email/SMS alerts for donation confirmations and task updates.
- Workflow rules to assign volunteers for pickups.

4.Detailed Steps to Solution Design

Data Models


- **Entities:**
 - o Donor: Stores donor details.
 - o Food Donation: Tracks donated food and quantity.
 - o NGO: Manages charity details.
 - o Volunteer: Manages tasks assigned to volunteers.
 - o Distribution: Records food delivery status.


User Interface Designs


- Donor Portal: Simple and intuitive interface for logging food donations.
- Volunteer Dashboard: A task overview page displaying pending and completed assignments.
- NGO Management Panel: Interface for NGOs to view available food and request donations.

Business Logic

- Triggers: Apex triggers to automatically assign logistics resources to food donations.
- Validation Rules: Ensures data integrity for donation entries (e.g., food expiry dates).
- Scheduled Jobs: Automates the cleanup of expired food donation records.




[Home](#)
[Venues](#)
[Tasks](#)
[Drop-Off Points](#)
[Execution Details](#)
[Volunteers](#)
[Reports](#)
[Dashboards](#)



Dashboard
Organization Details
As of 11-Jan-2025, 12:19 am Viewing as POLIPALLI RUTH TEJASWINI

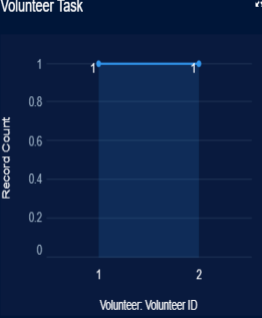
[Open](#)
[Refresh](#)
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venue and Drop Off point

Venue Name	Drop-Off Point Name	Distance
PR foundation	Vishakapatnam	585.5598
PVR foundation	Srikakulam	215.7836

[View Report \(venue and Drop Off point\)](#)



Volunteer Task


[View Report \(Volunteer Task\)](#)

Venue Form

Venue Name

Email


Phone

Venue Location


Latitude

Longitude

[Next](#)


[Setup](#)
[Home](#)
[Object Manager](#)

Hyperforce Assistant
 Users
Profiles
 Data
 Mass Transfer Approval Requests
 Feature Settings
 Data.com
 Prospector Preferences
 Prospector Users
 Decision Explorer
 Business Process Type Definition
 Functions
 Marketing
 Lead Processes
 Sales
 Products


SETUP
Profiles

Profiles
[Help for this Page](#)

[All Profiles](#)
[Edit](#)
[Delete](#)
[Create New View](#)

[New Profile](#)

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

1-1 of 1
0 Selected

[Previous](#)
[Next](#)

Page 1 of 1

mvgrcollegeofengineering-26e-dev-ed.develop.lightning.force.com/lightning/r/Venue__c/a00NS00000VFXcvYAH/view

FoodConnect Home Venues Tasks Drop-Off Points Execution Details Volunteers Reports Dashboards

Venue **PVR foundation** [New Contact](#) [Edit](#) [New Opportunity](#)

Details

Venue Name	PVR foundation	Owner	POLIPALLI RUTH TEJASWINI
Contact Email	pr@gmail.com		
Contact Phone	1234567896		
Location	14, 15		
Venue Location			
Created By	POLIPALLI RUTH TEJASWINI , 11/01/2025, 12:03 am	Last Modified By	POLIPALLI RUTH TEJASWINI , 11/01/2025, 12:03 am

Activity

Filters: All time • All activities • All types

[Refresh](#) • [Expand All](#) • [View All](#)

Upcoming & Overdue

No activities to show.
Get started by sending an email, scheduling a task, and more.

No past activity. Past meetings and tasks marked as done show up here.

FoodConnect Home Venues Tasks Drop-Off Points Execution Details Volunteers Reports Dashboards

Venue **PR foundation** [New Contact](#) [Edit](#) [New Opportunity](#)

Details

Venue Name	PR foundation	Owner	POLIPALLI RUTH TEJASWINI
Contact Email	rp@gmail.com		
Contact Phone	9876543210		
Location	12, 17		
Venue Location	Polipalli		
Created By	POLIPALLI RUTH TEJASWINI , 11/01/2025, 12:04 am	Last Modified By	POLIPALLI RUTH TEJASWINI , 11/01/2025, 12:04 am

Activity


Filters: All time • All activities • All types







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Upcoming & Overdue


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[Home](#)
[Venues](#)
[Tasks](#)
[Drop-Off Points](#)
[Execution Details](#)
[Volunteers](#)
[Reports](#)
[Dashboards](#)






Drop-Off Point
Vishakapatnam

[New Contact](#)
[Edit](#)
[New Opportunity](#)

[Related](#)
[Details](#)

Drop-Off Point Name	Owner
Vishakapatnam	 POLIPALLI RUTH TEJASWINI
Venue_c	
PR foundation	
Location 2	
14, 12	
distance calculation	
585.5598	
State	
Andhra Pradesh	
Distance	
585.5598	
Created By	Last Modified By
 POLIPALLI RUTH TEJASWINI , 11/01/2025, 12:08 am	 POLIPALLI RUTH TEJASWINI , 11/01/2025, 12:08 am

[Activity](#)


Filters: All time • All activities • All types







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[Upcoming & Overdue](#)


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[Home](#)
[Venues](#)
[Tasks](#)
[Drop-Off Points](#)
[Execution Details](#)
[Volunteers](#)
[Reports](#)
[Dashboards](#)






Drop-Off Point
Srikakulam

[New Contact](#)
[Edit](#)
[New Opportunity](#)

[Related](#)
[Details](#)

Drop-Off Point Name	Owner
Srikakulam	 POLIPALLI RUTH TEJASWINI
Venue_c	
PVR foundation	
Location 2	
14, 17	
distance calculation	
215.7836	
State	
Andhra Pradesh	
Distance	
215.7836	
Created By	Last Modified By
 POLIPALLI RUTH TEJASWINI , 11/01/2025, 12:05 am	 POLIPALLI RUTH TEJASWINI , 11/01/2025, 12:05 am

[Activity](#)


Filters: All time • All activities • All types







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[Upcoming & Overdue](#)

No activities to show.
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FoodConnect

Home

Venues

Tasks


Drop-Off Points

Execution Details

Volunteers

Reports

Dashboards


Task

Supply left over food





[New Contact](#)
[Edit](#)
[New Opportunity](#)

Related

Details

Task Name	Supply left over food	Owner	POLIPALLU RUTH TEJASWINI
Sponsored By	PR foundation		
Drop-Off Point	Vishakapatnam		
Task ID	TASK-2		
Date	23/01/2025		
Food Category	Non-VegSnack		
Number of People Served	50		
Name of the Person	Ruth		
Phone	7396112345		
Rating	5		
Feedback	Nice food..		
Created By	POLIPALLU RUTH TEJASWINI, 11/01/2025, 12:10 am	Last Modified By	POLIPALLU RUTH TEJASWINI, 11/01/2025, 12:10 am

Activity

Filters: All time • All activities • All types


Refresh • Expand All • View All







Upcoming & Overdue


No activities to show.

Get started by sending an email, scheduling a task, and more.

No past activity. Past meetings and tasks marked as done show up here.




FoodConnect

Home

Venues

Tasks


Drop-Off Points

Execution Details

Volunteers

Reports

Dashboards


Task

Supply left over food





[New Contact](#)
[Edit](#)
[New Opportunity](#)

Related

Details

Task Name	Supply left over food	Owner	POLIPALLU RUTH TEJASWINI
Sponsored By	PVR foundation		
Drop-Off Point	Srikakulam		
Task ID	TASK-1		
Date	15/01/2025		
Food Category	VegNon-Veg		
Number of People Served	100		
Name of the Person	Ruth		
Phone	9874561230		
Rating	4		
Feedback	Good food!!		
Created By	POLIPALLU RUTH TEJASWINI, 11/01/2025, 12:07 am	Last Modified By	POLIPALLU RUTH TEJASWINI, 11/01/2025, 12:07 am

Activity

Filters: All time • All activities • All types


Refresh • Expand All • View All








Upcoming & Overdue

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FoodConnect
Home
Venues
Tasks
Drop-Off Points
Execution Details
Volunteers
Reports
Dashboards


Volunteer
Roshan

New Contact
Edit
New Opportunity

Related
Details

Volunteer Name
Roshan

Drop-Off Point
Srikakulam

Volunteer ID
2

Gender
Male

Available On
15/01/2025

Age
23

Email
roshan@gmail.com

Contact Number
6,54,12,30,987





Address
Srikakulam

Date of Birth
11/04/2002

Created By
POLIPALLI RUTH TEJASWINI, 11/01/2025, 12:14 am

Last Modified By
POLIPALLI RUTH TEJASWINI, 11/01/2025, 12:14 am

Activity


Filters: All time • All activities • All types








Refresh • Expand All • View All

Upcoming & Overdue


No activities to show.
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FoodConnect
Home
Venues
Tasks
Drop-Off Points
Execution Details
Volunteers
Reports
Dashboards


Execution Detail
Supply left over food

New Contact
Edit
New Opportunity

Related
Details

Execution Detail Name
Supply left over food

Volunteer
Roshan





Task
Supply left over food

Execution ID
2

Created By
POLIPALLI RUTH TEJASWINI, 11/01/2025, 12:15 am

Last Modified By
POLIPALLI RUTH TEJASWINI, 11/01/2025, 12:15 am

Activity

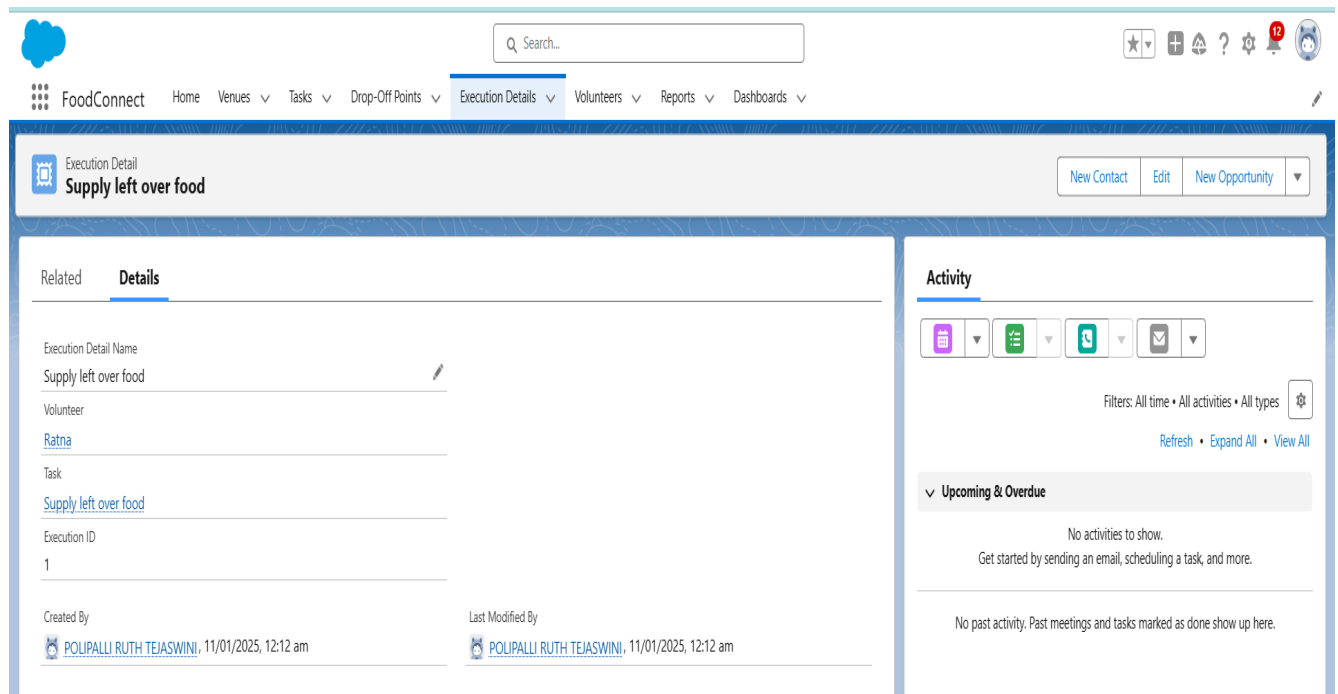
Filters: All time • All activities • All types

Refresh • Expand All • View All

Upcoming & Overdue

No activities to show.
Get started by sending an email, scheduling a task, and more.

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The screenshot displays the Salesforce FoodConnect interface. At the top, there's a navigation bar with a search bar and various icons. Below it, a menu bar includes 'FoodConnect', 'Home', 'Venues', 'Tasks', 'Drop-Off Points', 'Execution Details', 'Volunteers', 'Reports', and 'Dashboards'. The main content area is titled 'Execution Detail' and 'Supply left over food'. It features a 'Details' tab with fields for 'Execution Detail Name' (Supply left over food), 'Volunteer' (Ratna), 'Task' (Supply left over food), 'Execution ID' (1), 'Created By' (POLIPALLI RUTH TEJASWINI, 11/01/2025, 12:12 am), and 'Last Modified By' (POLIPALLI RUTH TEJASWINI, 11/01/2025, 12:12 am). On the right, there's an 'Activity' section with filters and a list of activities, currently showing 'Upcoming & Overdue' with no activities to show.

5. Testing and Validation

Unit Testing

- Apex classes and triggers were tested with a minimum of 95% code coverage.
- Validation rules and workflows were tested with dummy data to ensure correct behavior.

User Interface Testing

- Conducted end-to-end testing for donor, NGO, and volunteer portals.
- Ensured mobile compatibility for on-the-go access.
- Tested usability with stakeholders for a user-friendly experience.

6. Key Scenarios Addressed by Salesforce in the Implementation Project

This gives clarity that you are addressing various use cases or situations that Salesforce can handle during the implementation.

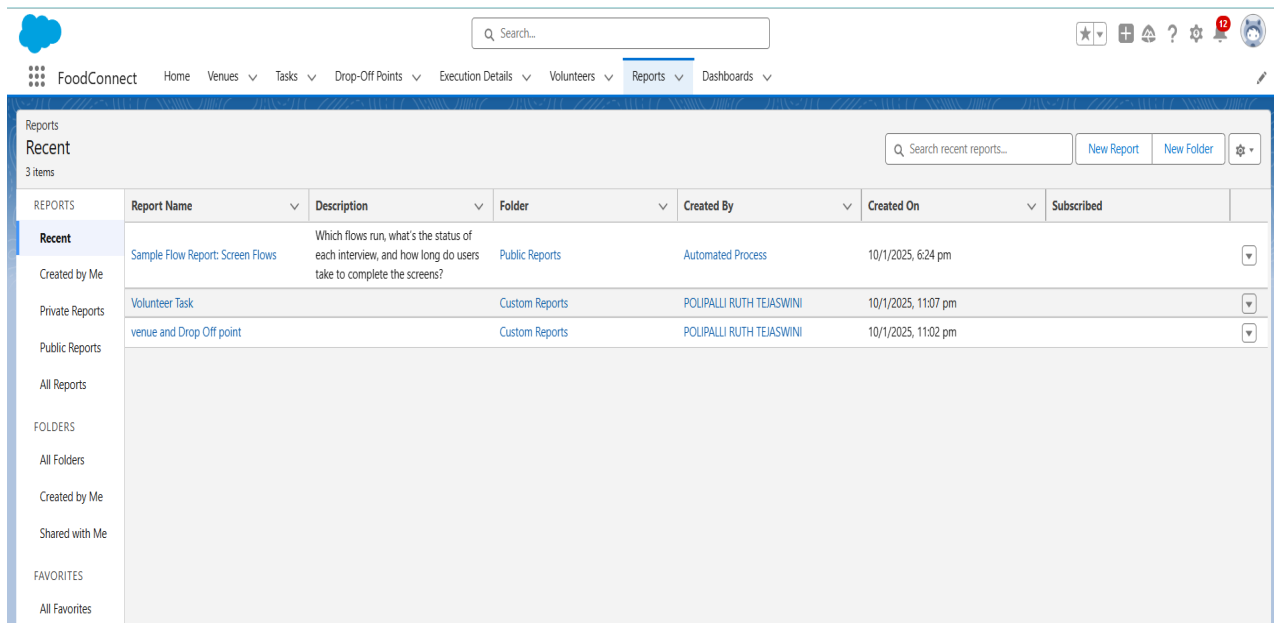
Food Donation Management: Donors can log leftover food details, and the system tracks food availability in real time.

Pickup and Delivery Scheduling: Volunteers receive automated assignments for pickups and deliveries.

Transparency and Reporting: NGOs receive detailed reports on food distribution, while donors can track their impact.

Scalability: The system supports multiple regions and can expand as the initiative grows.

Quality Assurance: Alerts notify the system admin about food nearing expiration, ensuring timely distribution.



FoodConnect Home Venues Tasks Drop-Off Points Execution Details Volunteers Reports Dashboards

Reports

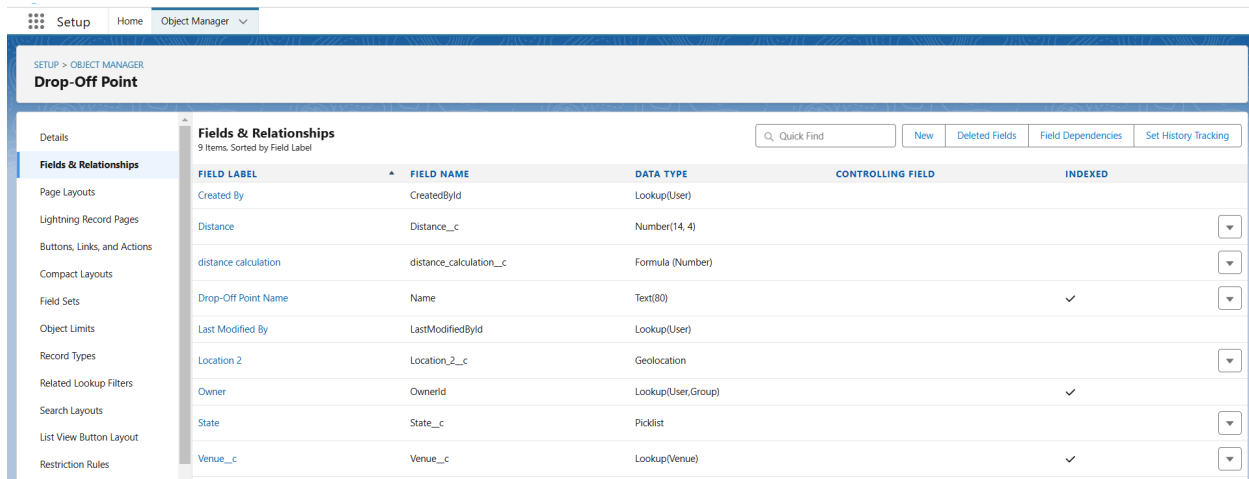
Recent

3 items

Search recent reports...

New Report New Folder

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	10/1/2025, 6:24 pm	
Created by Me	Volunteer Task		Custom Reports	POLIPALLI RUTH TEJASWINI	10/1/2025, 11:07 pm	
Private Reports	venue and Drop Off point		Custom Reports	POLIPALLI RUTH TEJASWINI	10/1/2025, 11:02 pm	
Public Reports						
All Reports						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						



Setup Home Object Manager

Drop-Off Point

Details

Fields & Relationships

9 Items. Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies 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)		✓

7. Conclusion

The “To Supply Leftover Food to the Poor” project successfully addresses the dual challenge of food waste and hunger by implementing a Salesforce-based solution.

Achievements include:

- Development of a transparent and efficient food redistribution platform.
- Empowerment of stakeholders with real-time insights and streamlined workflows.
- Significant reduction in food waste and meaningful contributions to communities in need.

This project demonstrates the power of technology in addressing social challenges and lays a foundation for future expansion and innovation.