

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:**
 - ☐ Donor: Stores donor details
 - ☐ Food Donation: Tracks donated food and quantity
 - ☐ NGO: Manages charity details.
 - ☐ Volunteer: Manages tasks assigned to volunteers.
 - ☐ 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.





FoodConnect

Home

Venues

Drop-Off Points

Tasks

Volunteers

Execution Details



Dashboard

Task Execution Details

As of 10-Jan-2025, 3:30 pm-Viewing as Pasupureddy Harish Kumar

Open

Refresh

Subscribe



venue and Drop Off point

Venue Name	Drop-Off Point Na...	Dista...
candy foundation	srikakulam	247

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

Volunteer Task



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



Venue Form

Venue Name

Email

you@example.com

Phone

Venue Location

Latitude

longitude





Setup

Home

Object Manager

Users

Profiles

Didn't find what you're looking for?
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Profiles








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[New Profile](#)

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







FoodConnect
Home
Venues
Drop-Off Points
Tasks
Volunteers
Execution Details

Venue
candy foundation
New Contact
Edit
New Opportunity

Related
Details

Venue Name	candy foundation	Owner	Pasupureddy Harish Kumar
Contact Email	cj@gmail.com		
Contact Phone	9014015850		
Location	12, 14		
Venue Location			
Created By	Pasupureddy Harish Kumar, 10/01/2025, 3:21 pm	Last Modified By	Pasupureddy Harish Kumar, 10/01/2025, 3:21 pm

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
Drop-Off Points
Tasks
Volunteers
Execution Details

Drop-Off Point
srikakulam
New Contact
Edit
New Opportunity

Related
Details

Drop-Off Point Name	srikakulam	Owner	Pasupureddy Harish Kumar
Venue_c	candy foundation		
Location 2	14, 15		
distance calculation	247.38		
State	Andhra Pradesh		
Distance	247		
Created By	Pasupureddy Harish Kumar, 10/01/2025, 3:23 pm	Last Modified By	Pasupureddy Harish Kumar, 10/01/2025, 3:23 pm

Activity


Filters: All time • All activities • All types








Refresh • Expand All • View All

Upcoming & Overdue

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FoodConnect
Home
Venues
Drop-Off Points
Tasks
Volunteers
Execution Details

Task
Supply left over food
New Contact
Edit
New Opportunity

Related
Details

Task Name	Supply left over food	Owner	Pasupureddy Harish Kumar
Venue	candy foundation		
Drop-Off Point	srikakulam		
Distance	25,0000		
Task ID	TASK-1		
Date	10/01/2025		
Food Category	Veg.Salad		
Number of People Served	150		
Name of the Person			

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
Drop-Off Points
Tasks
Volunteers
Execution Details

Volunteer
srinivas
New Contact
Edit
New Opportunity

Related
Details

Volunteer Name	srinivas
Drop-Off Point	srikakulam
Volunteer ID	1
Gender	Male
Available On	10/01/2025
Age	45
Email	candy@gmail.com
Contact Number	9,96,64,52,132
Address	srikakulam road
Date of Birth	

Activity

Filters: All time • All activities • All types

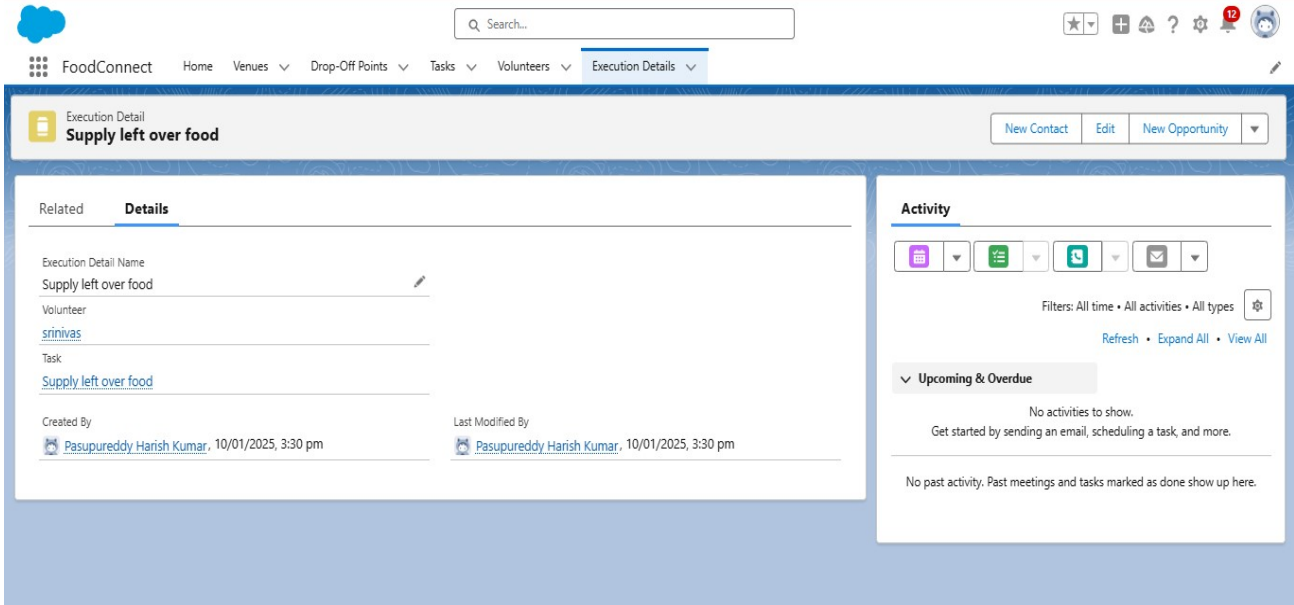
Refresh • Expand All • View All

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.



The screenshot displays the 'FoodConnect' application interface. At the top, there is a navigation bar with a search bar and various icons. Below the navigation bar, the 'Execution Details' section is active, showing the 'Supply left over food' record. The record details include the Execution Detail Name, Volunteer (srinivas), Task (Supply left over food), Created By (Pasupureddy Harish Kumar), and Last Modified By (Pasupureddy Harish Kumar). The 'Activity' section on the right shows filters for All time, All activities, and All types, with a 'Refresh' button and links to 'Expand All' and 'View All'. The 'Upcoming & Overdue' section indicates 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.

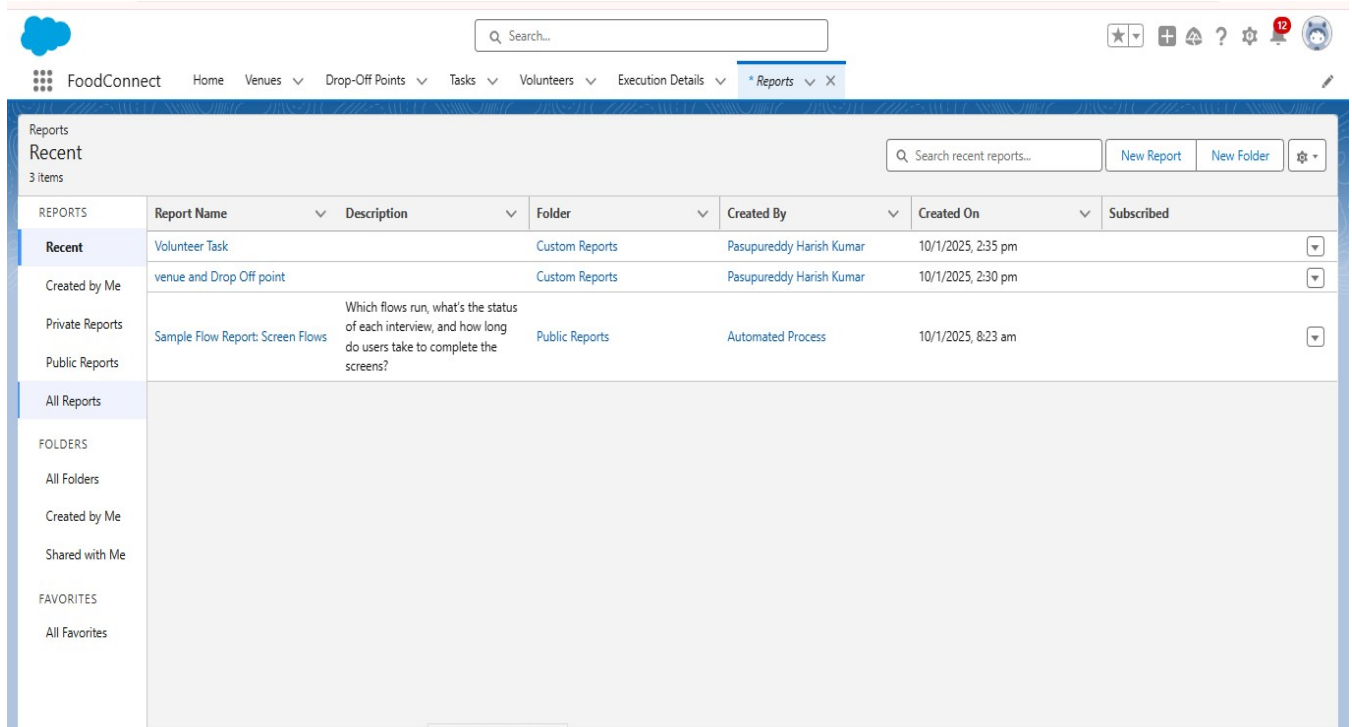
Pickup and Delivery Scheduling: Volunteers receive automated assignments for

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.



The screenshot shows the 'Reports' section of the FoodConnect application. The interface includes a top navigation bar with a search bar and various icons. Below the navigation bar, there is a sidebar with filters for 'Recent' (3 items), 'Created by Me', 'Private Reports', 'Public Reports', 'All Reports', 'FOLDERS', 'All Folders', 'Created by Me', 'Shared with Me', 'FAVORITES', and 'All Favorites'. The main content area displays a table of reports.

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Volunteer Task		Custom Reports	Pasupureddy Harish Kumar	10/1/2025, 2:35 pm	<input type="checkbox"/>
Created by Me	venue and Drop Off point		Custom Reports	Pasupureddy Harish Kumar	10/1/2025, 2:30 pm	<input type="checkbox"/>
Private Reports	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, 8:23 am	<input type="checkbox"/>

Setup > OBJECT MANAGER

Drop-Off Point

Details

Fields & Relationships
9 Items, Sorted by Field Label

Q, 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(18, 0)		
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.