

To Supply Leftover Food to Poor

1. Project Overview

This project is focused on “To Supply Leftover Food to 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.

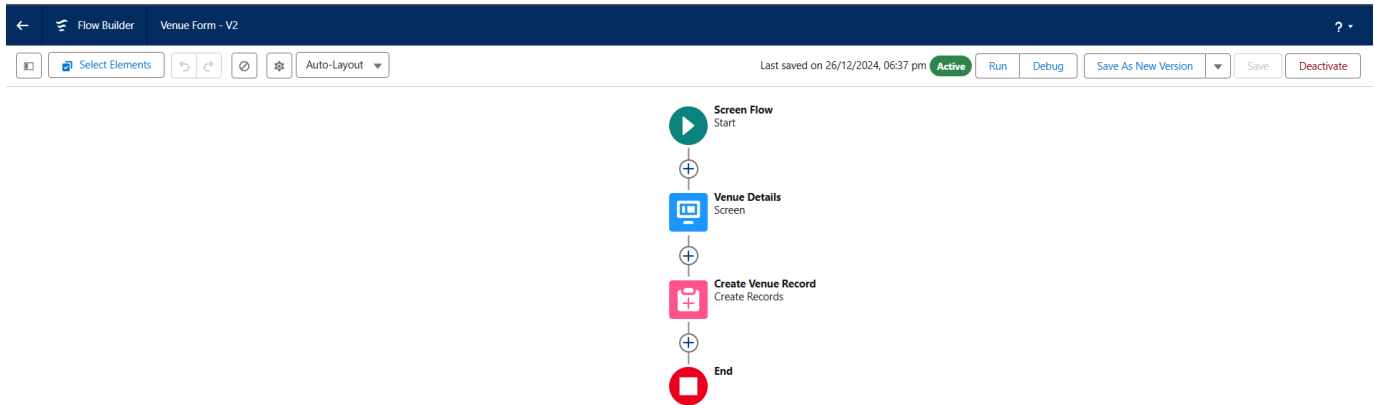
Einstein Analytics: To provide actionable insights through dashboards and reports.

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

Reports

Dashboards



Dashboard

Task Execution Details

As of 30-Dec-2024, 10:17 pm Viewing as Harshitha Andhavarapu

Open

Refresh

Subscribe



Venue Form

Venue Name

Email

Phone

Venue Location

Latitude

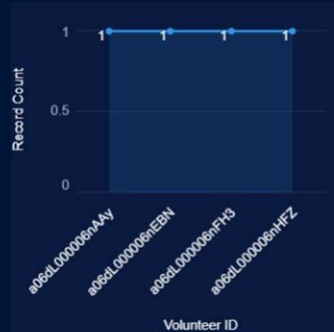
Longitude

venue and Drop Off point

Drop-Off Point Name	Venue Name	dist...
"Gateway to Giving" Distribution Center	Taj Mahal Banquet Hall	119.40
"Indore's Heart" Distribution Point	Amber Convention Center	117.79
"Kochi's Kindness" Distribution Hub	Harmony Event Space	60.90
"Pink City Feast" Distribution Site	The Royal Pavilion	132.60

View Report (venue and Drop Off point)

Volunteer Task



View Report (Volunteer Task)



Setup

Home

Object Manager

Search Setup



prof

Users

Profiles

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

SETUP

Profiles

Profiles

Help for this Page

All Profiles Edit Delete Create New View

New Profile

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



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Search...



Venue

Pearl City Conference Hall

New Contact

Edit

New Opportunity



Related Details

Venue Name	Owner
Pearl City Conference Hall	Bhoomika Neerasa
Contact Email	
pearlcityhall@example.com	
Contact Phone	
+91-99876-54321	
Location	
17, 78	
Venue Location	
88 Jubilee Hills, Hyderabad, Telangana	
Created By	Last Modified By
Bhoomika Neerasa, 26/12/2024, 8:17 pm	Bhoomika Neerasa, 26/12/2024, 8:17 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

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Search...



Venue

Green Valley Convention Center

Related Details

Venue Name

Green Valley Convention Center



Owner

[Bhoomika Neerasa](#)

Contact Email

greenvalleycc@example.com

Contact Phone

[+91-91234-56789](tel:+91-91234-56789)

Location

31, 77



Venue Location

123 Hilltop Road, Shimla, Himachal Pradesh



Created By

[Bhoomika Neerasa](#), 26/12/2024, 8:16 pm

Last Modified By

[Bhoomika Neerasa](#), 26/12/2024, 8:16 pm

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Search...



Venue

Marina Bay Hall

Related Details

Venue Name

Marina Bay Hall



Owner

[Bhoomika Neerasa](#)

Contact Email

marinabayhall@example.com

Contact Phone

[+91-98765-67890](tel:+91-98765-67890)

Location

13, 80



Venue Location

45 Beach Avenue, Chennai, Tamil Nadu



Created By

[Bhoomika Neerasa](#), 26/12/2024, 8:15 pm

Last Modified By

[Bhoomika Neerasa](#), 26/12/2024, 8:15 pm

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Search...



Venue

Royal Heritage Banquet

Related Details

Venue Name

Royal Heritage Banquet



Owner

[Bhoomika Neerasa](#)

Contact Email

royalheritage@example.com

Contact Phone

[+91-98765-12345](tel:+91-98765-12345)

Location

27, 76



Venue Location

12 Palace Road, Jaipur, Rajasthan



Created By

[Bhoomika Neerasa](#), 26/12/2024, 8:14 pm

Last Modified By

[Bhoomika Neerasa](#), 26/12/2024, 8:14 pm



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Q Search...

Drop-Off Point
Heritage Gate

Related

Details

Drop-Off point Name

Heritage Gate



Owner

Bhoomika Neerasa



Venue__c

[Royal Heritage Banquet](#)

Location 2

26.9124, 75.7873



distance calculation

23.22

State

Rajasthan



Distance

23



Created By

Bhoomika Neerasa, 27/12/2024, 6:45 pm

Last Modified By

Bhoomika Neerasa, 27/12/2024, 6:45 pm



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Q Search...



Task

Manage Dinner Distribution

Related

Details

Task Name

Manage Dinner Distribution



Owner

Bhoomika Neerasa



Sponsored By

[Pearl City Conference Hall](#)

Drop-Off point

[Jubilee Drop Zone](#)

Distance

6.0000



Task ID

TASK-4



Date

31/12/2024



Food Category

Non-Veg:Snack



Number of People Served

250



Name of the Person

Priya Singh



Phone

9907654321



Rating

5



Feedback

Seamless execution and highly organized team



Volunteer

[Priya Singh](#)

Created By

Bhoomika Neerasa, 27/12/2024, 7:09 pm

Last Modified By

Bhoomika Neerasa, 27/12/2024, 7:09 pm



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Q Search...



Volunteer

Aarav Sharma

Related

Details

Volunteer Name

Aarav Sharma



Drop-Off Point

[Heritage Gate](#)

Volunteer ID

1

Gender

Male



Available On

30/12/2024



Age

24



Email

aarav.sharma@example.com



Contact Number

9,87,65,43,210



Date of Birth

15/05/2000



Task

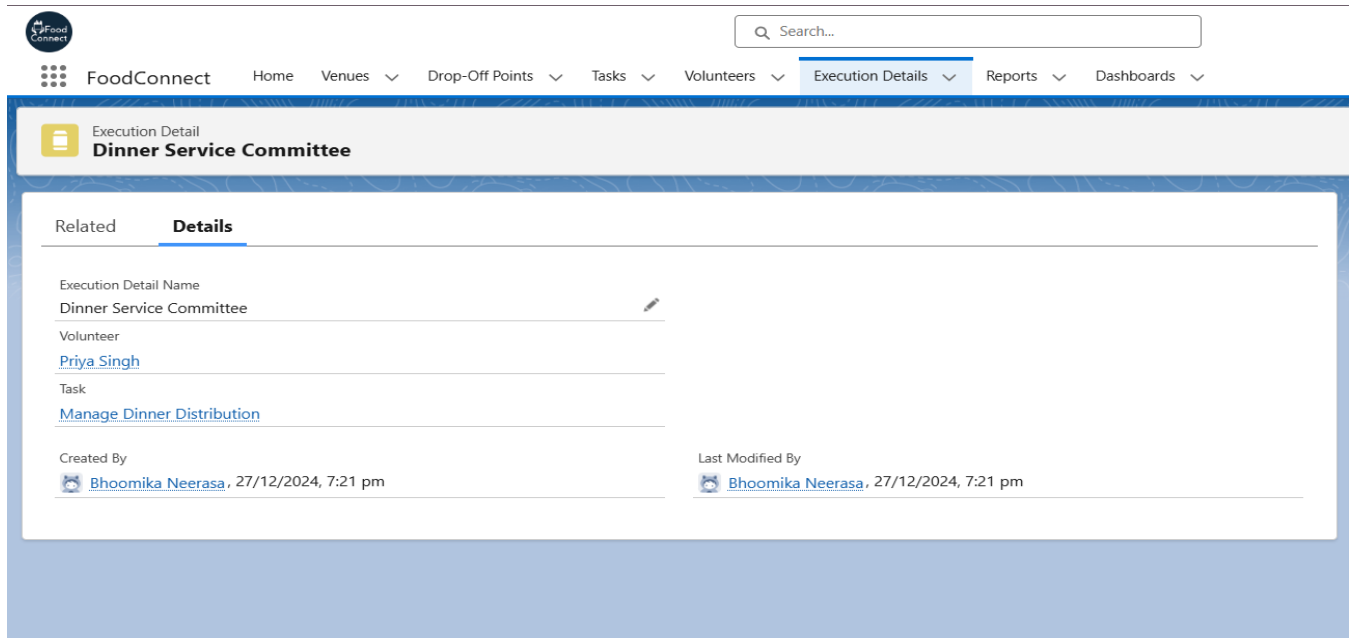
[Distribute Lunch Boxes](#)

Created By

Bhoomika Neerasa, 27/12/2024, 6:52 pm

Last Modified By

Bhoomika Neerasa, 27/12/2024, 7:34 pm



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.

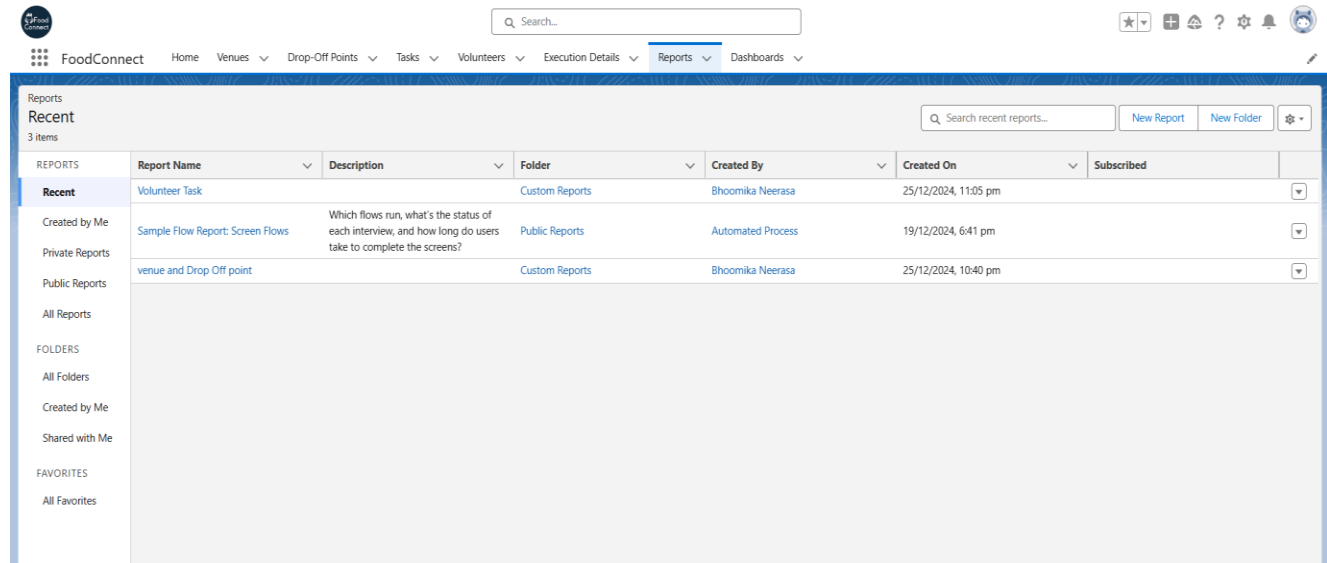
Food Donation Management: Donors can log leftover food details, and the system tracks food availability in real time.

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 Drop-Off Points Tasks Volunteers Execution Details Reports Dashboards

Reports

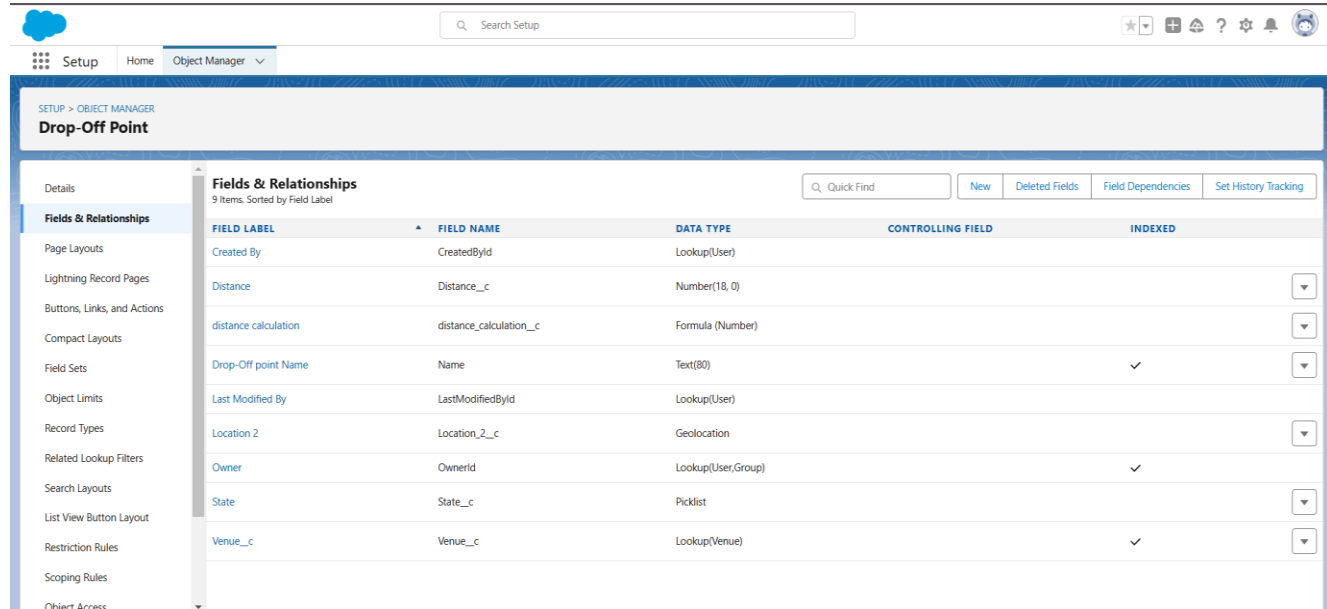
Recent

3 items

Search recent reports...

New Report New Folder

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Volunteer Task		Custom Reports	Bhoomika Neerasa	25/12/2024, 11:05 pm	
Created by Me	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	19/12/2024, 6:41 pm	
Private Reports	venue and Drop Off point		Custom Reports	Bhoomika Neerasa	25/12/2024, 10:40 pm	
Public Reports						
All Reports						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						



Setup Home Object Manager

SETUP > 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(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.