

To Supply Leftover Food to the Poor

Project Overview

This project aims to streamline and automate the process of collecting, managing, and distributing leftover food to underprivileged communities using Salesforce. It is designed to address inefficiencies in food distribution, donor management, and recipient tracking, aiming to deliver a scalable and user-friendly solution. We will leverage the robust CRM platform of Salesforce to enhance operational efficiency, improve donor engagement, and ensure accurate data tracking for food distribution activities. This aligns with the long-term objectives of the organization, which are to minimize food wastage and provide consistent support to communities in need.

Objectives

Business Goals:

- Increase efficiency in food collection and distribution.
- Enhance engagement and retention of food donors.
- Ensure accurate tracking of food donations and distribution.

Specific Outcomes:

- Centralized database for food donors, inventory, and recipient details.
- Automated workflows for donation collection requests and delivery scheduling.
- Real-time dashboards to monitor food availability, distribution status, and donor contributions.

Salesforce Key Features and Concepts Utilized

Salesforce CRM: For managing donor relationships and food distribution records.

Custom Objects: To represent food items, donation agreements, and recipient data.

Workflows and Automation: Automated collection requests, reminders, and distribution schedules.

Reports and Dashboards: Real-time insights into donation trends, distribution metrics, and inventory levels.

Mobile Accessibility: Enable staff to access distribution information on the go.

Detailed Steps to Solution Design

Data Models: Define custom objects for food items, donors, distribution records, and recipient groups. Establish relationships between these objects to ensure data integrity.

User Interface: Design intuitive layouts and pages for managing donations and viewing distribution dashboards. Include relevant screenshots for clarity.

Business Logic: Implement workflows and automation to handle donation requests, distribution schedules, and inventory updates efficiently.

Testing and Validation

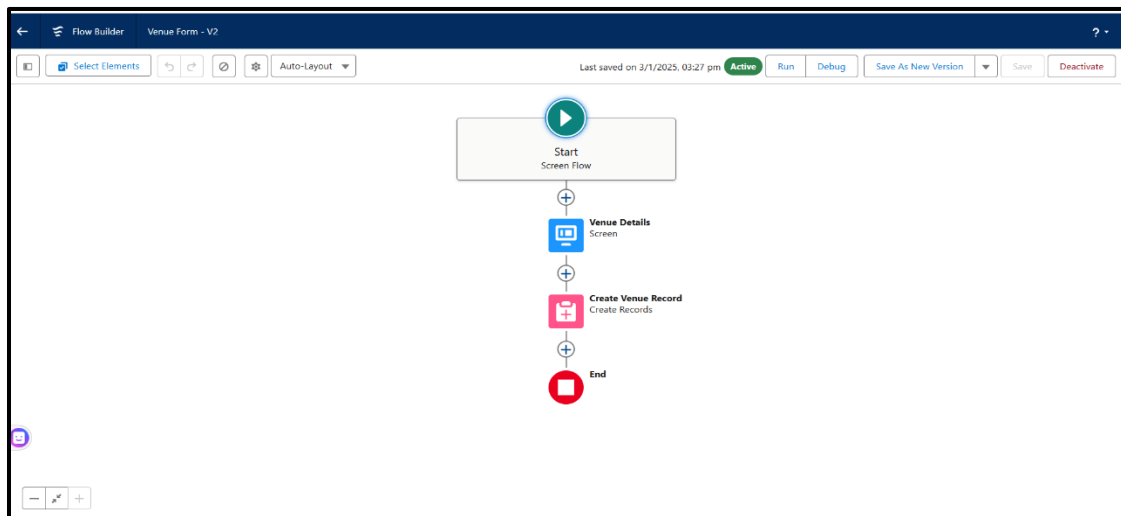
Unit Testing:

- Validate Apex classes and triggers ensuring proper execution of business logic.

User Interface Testing:

- Ensure all pages and components function seamlessly on desktop and mobile devices.

Screenshots:



FoodConnect

HomeVenuesTasksDrop-Off PointsExecution DetailsVolunteersReportsDashboards

Search...

☆+🏠?🔔👤

DashboardTask Execution Details

As of 06-Jan-2025, 9:58 pm Viewing as kavya Anupoju

OpenRefreshSubscribe

venue and Drop Off point

| Venue Name | Drop-Off Point Name | Distance |
|-----------------|---------------------|----------|
| Golkonda palace | - | - |
| kashmir palace | - | - |
| Mirja palace | - | - |
| only | - | - |

View Report (venue and Drop Off point)

Volunteer Task

We can't draw this chart because there is no data.

View Report (Volunteer Task)

Venue Form

Venue Name

Email

Phone

Venue Location

Latitude

Longitude

Next

FoodConnect

HomeVenuesTasksDrop-Off PointsExecution DetailsVolunteersReportsDashboards

Search...

☆+🏠?🔔👤

Venuekashmir palace

New ContactEditNew Opportunity

RelatedDetails

Venue Name

kashmir palace

Contact Email

you@example.com

Contact Phone

7981740104

Location

83, 86

Venue Location

near kashmiri road

Created By

kavya Anupoju, 06/01/2025, 9:43 pm

Last Modified By

kavya Anupoju, 06/01/2025, 9:43 pm

Owner

kavya Anupoju

Activity

Filters: All time • All activities • All types

RefreshExpand AllView 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

HomeVenuesTasksDrop-Off PointsExecution DetailsVolunteersReportsDashboards

Search...

☆+🏠?🔔👤

VenueGolkonda palace

New ContactEditNew Opportunity

RelatedDetails

Venue Name

Golkonda palace

Contact Email

go@example.com

Contact Phone

9948775760

Location

85, 86

Venue Location

near Golkonda road

Created By

kavya Anupoju, 06/01/2025, 9:48 pm

Last Modified By

kavya Anupoju, 06/01/2025, 9:48 pm

Owner

kavya Anupoju

Activity

Filters: All time • All activities • All types

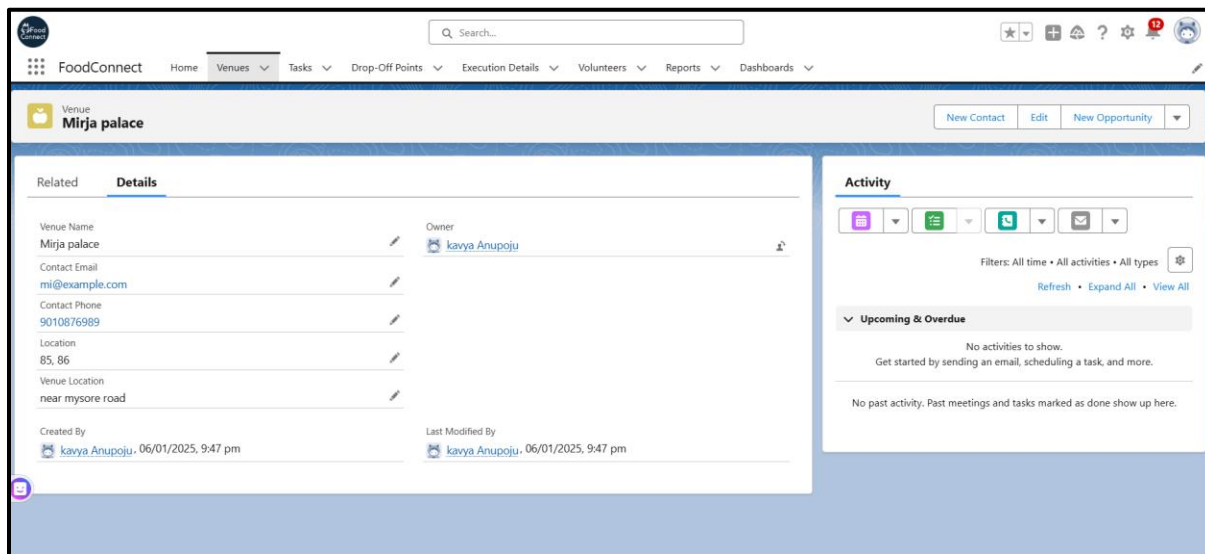
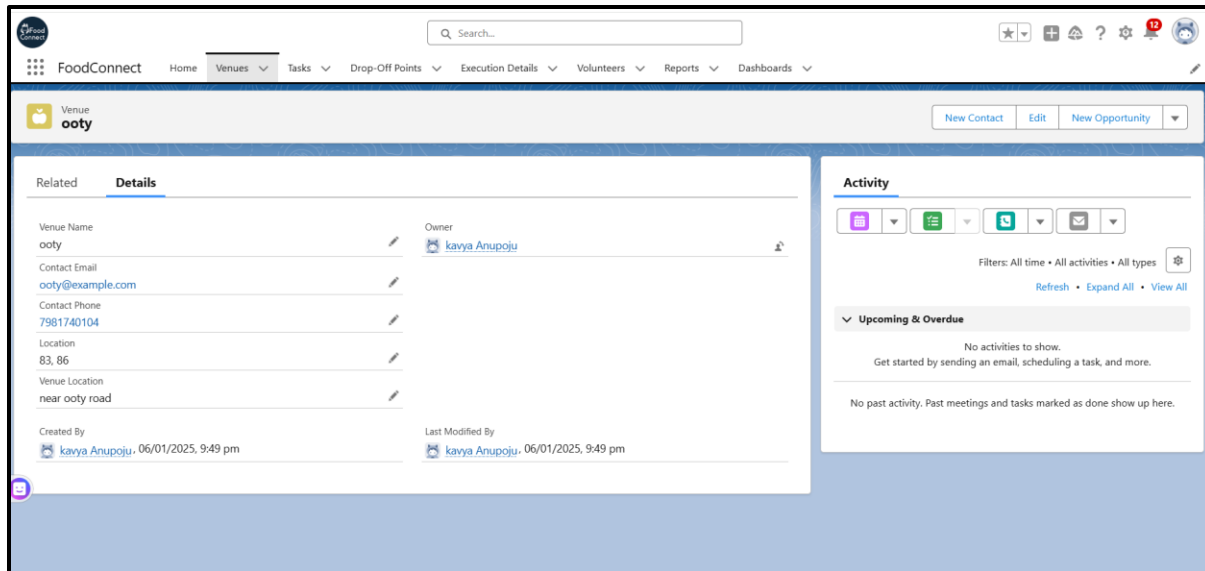
RefreshExpand AllView All

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.



Key Scenarios Addressed by Salesforce in the Implementation Project

Inventory Tracking: Real-time updates of available food and distributed quantities.

Donor Communication: Automated notifications for donation confirmations, collection schedules, and thank-you messages.

Approval Processes: Streamlined approval workflows for large-scale food donations or special distribution events.

Data Accuracy: Avoid discrepancies in donation records through robust validation rules.

Setup

Home

Object Manager

Search Setup

Star

Grid

Home

Help

Settings

12

Profile

profiles

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

A

B

C

D

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F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

Other

All

Action

Profile Name

User License

Custom

Edit

Delete

NGOs Profile

Salesforce Platform

✓

1-1 of 1

0 Selected

Previous

Next

Page 1 of 1

FoodConnect

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Reports

Recent

3 items

Search recent reports...

New Report

New Folder

Settings

REPORTS

Report Name

Description

Folder

Created By

Created On

Subscribed

Recent

Created by Me

Private Reports

Public Reports

All Reports

FOLDERS

All Folders

Created by Me

Shared with Me

FAVORITES

All Favorites

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

31/12/2024, 1:16 pm

Volunteer Task

Custom Reports

kavya Anupoju

3/1/2025, 2:33 pm

venue and Drop Off point

Custom Reports

kavya Anupoju

3/1/2025, 2:18 pm

Setup

Home

Object Manager

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

Fields & Relationships

8 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) | | |
| 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__c | Lookup(Venue) | | ✓ |

Conclusion

Summary of Achievements: The Salesforce Food Distribution Project successfully automates the collection and distribution of leftover food, offering real-time inventory tracking, streamlined workflows, and enhanced donor communication. These features collectively contribute to improved operational efficiency and community engagement, laying the foundation for scalable growth in food supply initiatives to the underprivileged.

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.

1. 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.

2. 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. Testing and Validation

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.