

FoodConnect - Surplus Food Donation Management System

1. Project Overview

This project focuses on FoodConnect, designed to address food insecurity by creating an efficient, transparent, and automated platform for surplus food donations. The goal is to deliver a comprehensive solution by leveraging the Salesforce platform to streamline communication between donors, volunteers, and beneficiaries. This system aims to reduce food wastage, maximize food utilization, and support long-term community sustainability.

2. Objectives

Business Goals:

- - Reduce food wastage.
- - Ensure efficient coordination among stakeholders.
- - Enhance food distribution transparency.

Specific Outcomes:

- - Real-time monitoring through dashboards.
- - Automated tracking and notifications for food donations.
- - Proximity-based sharing for timely food distribution.

3. Salesforce Key Features and Concepts Utilized

- - Salesforce Platform for cloud-based CRM and automation.
- - Lightning App Builder for user-friendly interface designs.
- - Salesforce Flow for automating food donation tracking and notifications.
- - Dashboards for real-time data visualization and decision-making.
- - Sharing rules for access control based on proximity.

4. Detailed Steps to Solution Design

- - Custom field creation for Task and Volunteer objects (e.g., fields for distance, food categories).

- - Screen Flow for Venue object to collect and store venue details.
- - Trigger implementation for automatic distance calculations.
- - Custom profiles and user management for NGOs and public groups.
- - Homepage designed using Lightning App Builder with key functionalities like dashboards and flows.


5. Testing and Validation

Testing Approach:

- - Unit Testing: Included testing of Apex triggers and custom fields.
- - User Interface Testing: Validated ease of navigation and functionality.

6. Key Scenarios Addressed by Salesforce in the Implementation Project

- - Automated food donation tracking and notifications to reduce manual effort.
- - Proximity-based sharing rules ensuring timely and localized food distribution.
- - Dashboards providing real-time insights into donation status and delivery progress.



FoodConnect

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Dashboard
Task Execution Details

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As of 10-Jan-2025, 3:45 pm Viewing as Manjunath BS

venue and Drop Off point


Drop-Off Point Na ...	Venue ...	distance calcul...
-	Town Hall	-
-	city plaza	-

[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](#)

7. Conclusion

Summary of Achievements:

The FoodConnect project harnessed Salesforce to reduce food wastage and address food insecurity through a streamlined donation management system. By integrating proximity-based sharing, real-time tracking, and automated workflows, the platform ensures timely delivery, maximizing foo