

Project Design Phase

Problem Solution Fit

Date:	03-11-2025
Team ID:	NM2025TMID05217
Project Name:	To Supply Leftover Food to Poor

1. Introduction

The **Problem–Solution Fit** defines how the proposed **Salesforce-based Food Donation Management System** effectively addresses the key challenges in collecting and distributing leftover food to the needy.

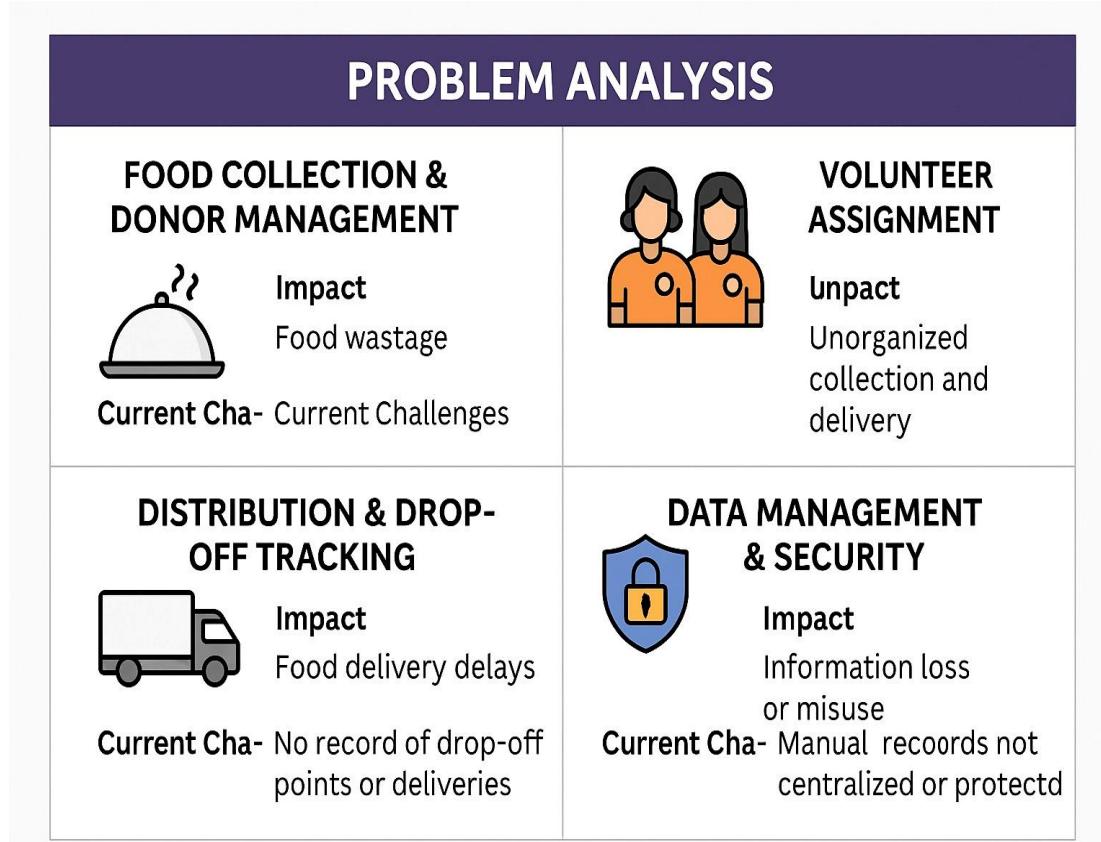
The system aims to connect **food donors (venues)**, **volunteers**, and **drop-off locations** through an organized digital platform. It ensures that excess food from hotels, restaurants, and events reaches poor people safely and quickly, minimizing food wastage and improving coordination.

Key Objectives

- Validate that each feature of the system directly solves real-world food donation challenges.
- Map existing manual inefficiencies to Salesforce automation and data management solutions.
- Ensure smooth coordination among donors, volunteers, and distribution points.
- Promote transparency, accountability, and efficiency in the food collection and delivery process.

2. Problem Analysis

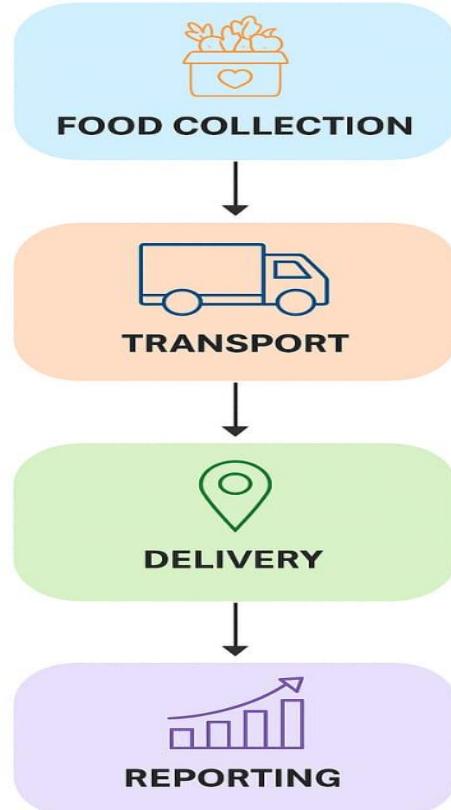
Problem Area	Impact	Current Challenges
Food Collection & Donor Management	Food often wasted due to lack of coordination	No system to notify or track available leftover food in real time.
Volunteer Assignment	Unorganized collection and delivery	Volunteers are not efficiently allocated or tracked during food pickup and delivery.
Distribution & Drop-Off Tracking	Food delivery delays, poor monitoring	No structured record of drop-off points or delivery verification.
Transparency & Reporting	Lack of accountability and visibility	Manual tracking leads to confusion and missing data about donations.
Data Management & Security	Information loss or misuse	Manual records are not centralized or protected against unauthorized access.



3. Solution Mapping

Problem	Proposed Solution (Salesforce Implementation)	Expected Outcome
Food Collection & Donor Management	Centralized Salesforce object for venues (donors) to register leftover food with details like quantity, time, and location.	Donors can easily record available food; real-time updates enable quick collection.
Volunteer Assignment	Automated volunteer allocation through lookup relationships and flows.	Volunteers are assigned efficiently, reducing delays and ensuring timely delivery.
Distribution & Drop-Off Tracking	Custom “Drop-Off Point” object to record delivery locations and link them to specific venues and volunteers.	Smooth tracking of food movement from source to destination.
Transparency & Reporting	Salesforce dashboards and custom reports to show donation details, deliveries, and volunteer activity.	Increased visibility, better performance tracking, and donor confidence.
Data Management & Security	Role hierarchies and sharing rules to control access to donor and recipient data.	Secure data handling and privacy protection.

TO SUPPLY LEFTOVER FOOD TO POOR



4. User Scenarios Demonstrating Problem–Solution Fit

Scenario 1: Food Collection Coordination

- **Problem:** Hotels and restaurants had no reliable way to notify volunteers about available leftover food.
- **Solution:** Venues can now log available food in Salesforce; volunteers get instant updates.
- **Outcome:** Food pickup is organized and fast, ensuring minimal wastage.

Scenario 2: Volunteer Assignment & Tracking

- **Problem:** In manual systems, multiple volunteers often visited the same donor or missed pickups entirely.
- **Solution:** The Salesforce system automatically assigns volunteers to nearby venues and tracks their tasks.
- **Outcome:** Efficient allocation, reduced confusion, and increased volunteer productivity.

Scenario 3: Transparency and Reporting

- **Problem:** Donors and coordinators lacked visibility into where food was distributed.
- **Solution:** Reports and dashboards display donation history, volunteer activity, and delivery success.
- **Outcome:** Complete transparency and data-based insights into the food supply chain.

5. Alignment with Business Goals

- **Operational Efficiency:** Automated workflows reduce manual coordination and speed up food distribution.
- **Transparency:** Real-time dashboards and activity tracking ensure trust and accountability.
- **Data Accuracy:** Validation rules and lookup fields maintain clean and consistent donor, volunteer, and delivery data.
- **Security & Compliance:** Role-based access and sharing rules safeguard donor and recipient information.
- **Social Impact:** Reduces food wastage and supports communities in need through a structured, technology-driven approach.