

## Project Design Phase

### Problem-Solution Fit

Date	02 NOVEMBER 2025
Team ID	NM2025TMID01349
Project Name	To Supply Leftover Food to Poor
Maximum Marks	4 Marks

#### Problem Identification

- **Core Problem:** Significant amounts of leftover food from restaurants, hotels, and events are going to waste, while many people continue to face hunger.
- **System Gap:** There is no efficient system in place to collect, manage, and distribute surplus food in a timely and organized manner.
- **Affected Stakeholders:**
  - **Food Donors:** Restaurants, hotels, and event organizers struggling to donate efficiently.
  - **Volunteers:** Individuals helping with pickup and delivery but facing coordination challenges.
  - **NGOs:** Organizations that rely on surplus food donations to serve the needy.
  - **Needy Population:** People dependent on food donations who face delays or shortages.

#### The existing challenges are:

- Absence of a centralized system to manage food donations.
- Manual coordination between donors and volunteers leading to delays.
- Lack of transparency in food collection and distribution.
- Wastage due to untracked or uncollected surplus food.

---

#### Proposed Salesforce-Based Solution

The proposed solution is a **Salesforce-powered Food Distribution Management System** named "**To Supply Leftover Food to Poor.**" This platform connects **donors, volunteers, and NGOs** in a single, streamlined environment to efficiently manage the collection and distribution of leftover food.

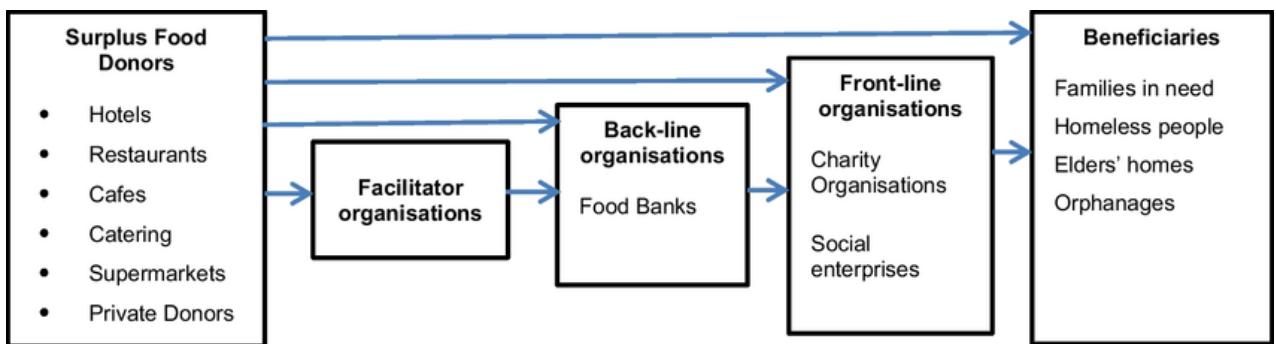
By leveraging Salesforce's robust features, the system ensures that every donation is **recorded, tracked, and delivered** to those in need in a transparent and efficient manner.

#### Key Features:

- **Custom Objects:** Creation of Donor, Food\_Item, Volunteer, and Distribution objects to model the food donation process.
- **Automation with Flows:** Automatically assign volunteers for each new donation.
- **Apex Triggers:** Update food status in real-time after delivery.

- **Reports & Dashboards:** Monitor donations, volunteer activity, and overall distribution progress.
- **Security & Access Control:** Configure Profiles and Sharing Rules to provide secure access to different user roles.

This solution transforms the food donation process into a **digital, transparent, and efficient system**, enabling all stakeholders to collaborate effectively while reducing food wastage.



## Problem–Solution Fit Analysis

### Problem:

- Large-scale food waste from restaurants, hotels, and events.
- Manual coordination causes delays and inefficiencies.
- Donors, volunteers, NGOs, and needy people face frustration and lack of transparency.

### Solution:

- Salesforce-based Food Distribution System to centralize donations.
- Automates volunteer assignment, tracks donations, and provides dashboards.
- Secure, role-based access for all stakeholders.

### Fit:

- Reduces waste and delays.
- Increases transparency and efficiency.
- Scalable across locations and organizations.
- Maximizes social impact by feeding more people.