

# Project Design Phase

## Proposed Solution

Date	27 June 2025
Team ID	LTVIP2025TMID38851
Project Name	TO SUPPLY LEFTOVER FOOD TO POOR

### Objective of the Solution:

To build a centralized, cloud-based system that connects food donors (venues) with volunteers and NGOs, enabling the efficient, timely, and traceable redistribution of leftover food to the needy—using Salesforce as the technology platform.

### Solution Architecture Overview:

The proposed solution is implemented on the Salesforce Platform under a custom-built app called “FoodConnect”. This app comprises various custom objects, automations, flows, dashboards, and access control systems to ensure seamless food donation and delivery.

### Proposed Solution:

In the project "To Supply Leftover Food to the Poor", the proposed solution is a Salesforce-based cloud application (FoodConnect) that connects food donors, NGOs, and volunteers on a centralized platform. It automates food collection, routing, and delivery through geolocation, task management, and dashboard reporting—ensuring that surplus food reaches the needy efficiently, transparently, and in real-time.

Element	Explanation
Clarity	The solution must clearly state what is being done to solve the problem.
Relevance	The solution should be directly tied to the problem and user needs.
Feasibility	It must be practical and achievable within existing resources and constraints.
Effectiveness	It should have the potential to eliminate or reduce the problem significantly.
Innovation	It may include a new approach, use of technology, or unique combination of existing methods.

### Proposed Solution of Project “To Supply Leftover Food to Poor”:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Every day, surplus edible food from restaurants, events, and institutions goes to waste, while millions of people suffer from hunger. There is no centralized system to coordinate food donors, volunteers, and NGOs efficiently to redistribute leftover food in a timely and organized manner.
2.	Idea / Solution description	A Salesforce-based cloud application called FoodConnect that allows food donors (venues) to register leftover food, automatically assigns the nearest drop-off points based on geolocation, and enables volunteers to coordinate and track deliveries. It features automated task creation, dashboards, and reporting.
3.	Novelty / Uniqueness	The solution uses geolocation to calculate the optimal delivery points and employs automated sharing rules to route tasks to NGOs based on proximity. It integrates all actors (donors, NGOs, volunteers) on one platform, eliminating manual coordination and ensuring accountability through real-time tracking.
4.	Social Impact / Customer Satisfaction	Reduces food wastage and directly addresses hunger. NGOs and donors benefit from a simplified, transparent system. Beneficiaries receive timely support. Volunteers can contribute efficiently. Customer satisfaction is high due to ease of use, clear roles, and data-driven monitoring.
5.	Business Model (Revenue Model)	Initially offered as a non-profit model to support NGOs and food relief networks. In the long term, revenue can be generated through: <ul style="list-style-type: none"> <li>• Premium features for NGOs (analytics, SMS alerts)</li> <li>• CSR partnerships with restaurants/events</li> <li>• Government contracts and CSR grants</li> </ul>
6.	Scalability of the Solution	Highly Scalable due to the use of salesforce cloud infrastructure. Additional NGO's, drop-offs, locations, and regions can be added with minimal setup.