Project Design Phase
Problem-Solution Fit

Date	02 NOVEMBER 2025
Team ID	D62F116B4D1897894BB441A9447B6D32
Project Name	To Supply Leftover Food to Poor
Maximum Marks	4 Marks

Problem Identification

The main problem identified is the **large-scale wastage of leftover food** from restaurants, hotels, and events while many people still go hungry.
There is currently **no proper system** to collect, manage, and distribute this surplus food efficiently.

Stakeholders affected include food donors (restaurants and hotels), event organizers, volunteers, NGOs, and the needy population who depend on such donations.

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 to develop a **Salesforce-based Food Distribution Management System** titled
"To Supply Leftover Food to Poor."

This system connects **donors**, **volunteers**, and **NGOs** on a single platform to streamline the process of collecting and distributing leftover food.
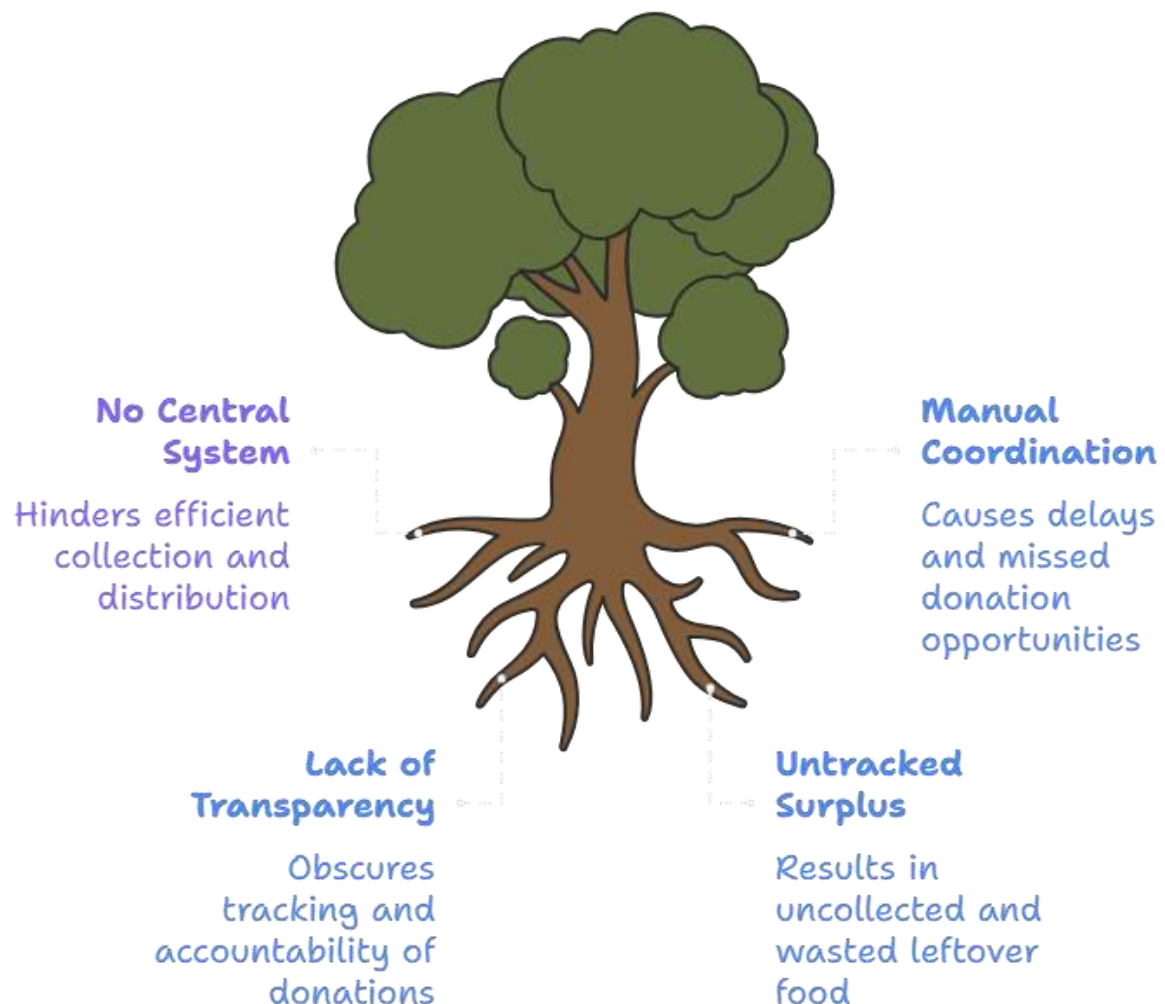
The solution uses Salesforce's capabilities to ensure that every donation is recorded, tracked, and delivered to the needy efficiently.

Key features of the solution include:

- Creation of custom Salesforce **objects** such as Donor, Food_Item, Volunteer, and Distribution.
- Use of **Flows** to automate volunteer assignment for each new donation.
- Implementation of **Apex Triggers** to automatically update the food status after delivery.
- Development of **Reports and Dashboards** to monitor donations, volunteer activity, and distribution progress.
- Configuration of **Profiles and Sharing Rules** to ensure secure data access for different user roles.

This solution transforms the food donation process into a **digital, transparent, and efficient system** powered by Salesforce.

Problem–Solution Fit Analysis

The proposed Salesforce solution directly addresses the real-world issues identified during the ideation phase.

- The **lack of tracking** is resolved by using Salesforce objects and fields to store every donation and distribution record.
- The **delay in volunteer assignment** is handled through automated workflows and flows.

- The **absence of transparency** is solved using real-time reports and dashboards.
- The **security and access concerns** are managed through profiles, permissions, and sharing rules.

By aligning each problem with a specific Salesforce functionality, this project demonstrates a strong **problem–solution fit**.