IDEATION PHASE

Project Title: To Supply Leftover Food to Poor

---

1. Introduction

Food insecurity continues to affect millions globally, despite the abundance of food produced every year. A significant portion of food wastage occurs due to inefficient distribution, lack of coordination, and absence of digital platforms connecting donors with organizations that serve the needy.

This project — *"To Supply Leftover Food to Poor"* — aims to address these challenges by developing a **Salesforce-based cloud solution** that facilitates **real-time communication, food donation tracking, and volunteer coordination**. The system will create a unified network between donors, NGOs, and delivery volunteers to minimize waste and ensure food reaches those in need safely and efficiently.

---

2. Problem Identification

Despite having sufficient food production, the gap between **surplus and scarcity** persists. Restaurants, hotels, and event organizers often dispose of edible leftover food due to:

- Lack of awareness about nearby NGOs or food collectors.

- Absence of structured communication channels.

- Difficulty in coordinating volunteers for quick pickups.

- No real-time system for donation tracking or delivery verification.

As a result, vast amounts of consumable food are wasted daily while countless people go hungry.

---

3. Proposed Solution

The proposed solution is a **cloud-based Food Redistribution Management System** built using **Salesforce**.
The system will:

- Enable **restaurants and donors** to register and list surplus food instantly.

- Allow **NGOs and volunteers** to locate available food through a map-based or list-based interface.

- Automate **notification alerts** for nearby NGOs when a new food donation is created.

- Provide **delivery tracking and confirmation** once food reaches beneficiaries.

- Maintain complete **records for accountability** (food type, quantity, donor details, pickup and delivery times).

This centralized approach ensures transparency, quick coordination, and efficient use of available food resources.

---

4. Objectives

- Reduce food wastage by connecting donors and NGOs through a digital platform.

- Ensure timely distribution of surplus food to underprivileged communities.

- Provide real-time visibility and tracking of donations and deliveries.

- Enhance accountability through digital records and volunteer coordination.

- Support data-driven reports for monitoring and improving food redistribution.

---

5. Scope of the Project

The project focuses on:

- Developing Salesforce objects for **Donor, Food Item, NGO, Volunteer, and Delivery Tracking**.

- Automating workflows for donation creation, assignment, and delivery confirmation.

- Providing dashboards for visual analytics (daily donations, deliveries, and volunteer activities).

- Maintaining user-friendly interfaces for different user types (Admin, Donor, NGO, Volunteer).

Out of scope: Integration with government food safety systems or external payment gateways (for now).

---

6. Expected Outcomes

Once implemented, the system will:

- Reduce the volume of food wasted by enabling fast redistributions.

- Simplify communication and coordination among stakeholders.

- Improve transparency and trust in the donation process.

- Strengthen collaboration between NGOs and donors using a single platform.

- Contribute towards sustainable development goals (Zero Hunger and Responsible Consumption).

---

7. Conclusion

The *To Supply Leftover Food to Poor* project provides a powerful and socially impactful solution that leverages **Salesforce's automation, security, and scalability**.
By transforming manual food donation processes into an organized cloud system, it helps reduce wastage, supports vulnerable communities, and creates a sustainable, accountable, and efficient food distribution network.