Project Design Phase

Proposed Solution

Date	2 NOVEMBER 2025
Team ID	NM2025TMID04366
Project Name	To Supply Leftover Food to Poor
Maximum Mark	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Food wastage remains a major issue, with edible food discarded while many go hungry. The unorganized surplus food distribution lacks a centralized system for efficient tracking and donation management.
2.	Idea / Solution Description	The Salesforce-based app **"FoodConnect"** streamlines surplus food collection and distribution using custom objects, automation, and reports. Flows simplify data entry, triggers calculate distances, and dashboards provide NGOs real-time insights for efficient tracking and transparency.
3.	Novelty / Uniqueness	Unlike manual donation systems, this Salesforce-based solution uses automation and analytics to connect donors, NGOs, and volunteers in a unified cloud app, ensuring real-time coordination and efficient logistics.
4.	Social Impact / Customer Satisfaction	The system enables NGOs to locate nearby donors and drop-off points, reducing food wastage and ensuring timely distribution. It fosters transparency, efficiency, and community trust while supporting underprivileged people.
5.	Business Model (Revenue Model)	The platform can evolve into a SaaS model for NGOs and food agencies, integrating with partners for sponsorships and data-driven collaboration while maintaining low-cost scalability.
6.	Scalability of the Solution	The solution can scale to other regions or integrate with government food banks. Adding AI-driven demand forecasting and route optimization can further improve logistics and minimize delays.

Reference: Infographic created using Salesforce Flow Builder.
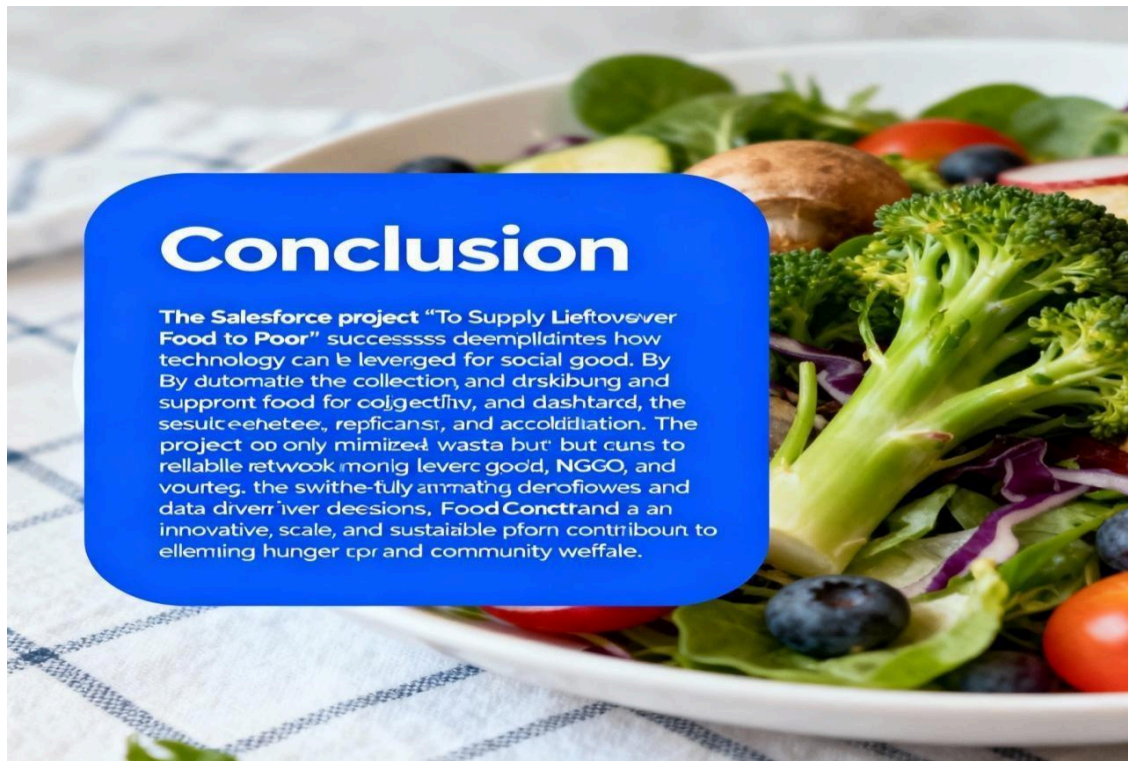
Solution Description:

The Salesforce project "To Supply Leftover Food to Poor" is developed to automate and organize food donation processes. It begins with the creation of custom objects—Venue, Drop-Off Point, Task, Volunteer, and Execution Details—to manage all donation-related data. Relationship fields like Master-Detail and Lookup are configured to connect these entities logically.

A custom Screen Flow collects venue data through a user-friendly form, while an Apex Trigger automates the assignment of distance values for sharing rules. Public Groups and Sharing Rules are implemented to assign accessibility based on the distance, allowing specific NGOs to view nearby donation locations.

Reports and Dashboards provide visual insights into ongoing tasks, volunteer activity, and food distribution patterns. These analytics help NGOs make quick decisions, track performance, and maintain transparency. The system's Home Page integrates both Dashboard and Flow components, offering a centralized operational view.

This solution not only minimizes food wastage but also builds an efficient, transparent, and sustainable network connecting donors and NGOs through the Salesforce ecosystem.