

Project Title :

To Supply Leftover Food to Poor

1. Project Overview

This project, "To Supply Leftover Food to Poor," is focused on addressing food wastage while providing meals to underserved communities. The goal is to develop a comprehensive system on Salesforce that connects food donors (e.g., restaurants, events) with distribution volunteers who can deliver leftover food to those in need. By leveraging Salesforce's CRM capabilities, this project aims to streamline donation logistics, enhance data tracking for food distribution, and improve community welfare.

2. Objectives

- **Business Goals:** Reduce food waste and promote food security within underserved communities.
- **Specific Outcomes:**
 - Develop a structured donor registration system.
 - Implement a tracking system for food collection and delivery.
 - Facilitate seamless communication between donors, volunteers, and recipients.
 - Provide insightful reports on food distribution metrics.

3. Salesforce Key Features and Concepts Utilized

- **Salesforce Objects:** Custom objects for donors, recipients, and volunteers.
- **Automated Workflows:** Triggers and workflow rules for notifications and status updates.
- **Reports and Dashboards:** Real-time insights on food collections, deliveries, and impacts.
- **Community Cloud:** Enabling communication and collaboration among users .

4. Detailed Steps to Solution Design

- **Data Models:** Developed custom objects for Donors, Volunteers, and Drop-Off Locations to track key information on food donations and distribution.
- **User Interface Designs:** Designed a user-friendly interface for registering donations, assigning volunteers, and tracking the delivery status.
- **Business Logic:** Implemented Apex triggers to notify volunteers and confirm delivery, ensuring smooth operations between donors and recipients.
- **Screenshots:** Include relevant screenshots of the UI for donor registration, volunteer assignments, and dashboards.

5. Testing and Validation

- **Unit Testing:** Conducted tests on Apex Classes and Triggers to ensure accuracy in automation and data handling.
- **User Interface Testing:** Verified usability across all user roles (donors, volunteers, administrators) to confirm a seamless experience.

6. Key Scenarios Addressed by Salesforce in the Implementation Project

- **Donor Registration:** Allows donors to easily register food donations and view summary of their contributions.
- **Volunteer Assignment:** Volunteers receive notifications about available donations nearby, ensuring prompt collection and delivery.
- **Tracking and Reporting:** Dashboard components provide real-time insights into food distribution data, measuring community impact and tracking overall efficiency.

7. Conclusion

- **Summary of Achievements:** Successfully developed a Salesforce-based solution to connect food donors with underserved communities, reducing waste and providing valuable meals. This project demonstrated the power of technology in supporting social causes, creating a scalable system that enhances operational efficiency, encourages volunteer participation, and positively impacts the community.