

Project Title: To Supply Leftover Food to Poor (Salesforce Platform)

Date: November 02, 2025

Team ID: NM2025TMID04760

Maximum Marks: 4 Marks

The primary objective of this project is to create a platform leveraging Salesforce technology to efficiently connect surplus food from various sources with organizations or individuals in need. This initiative aims to minimize food wastage and alleviate hunger by facilitating the redistribution of excess food to those who are food insecure.

Team Member Contributions

Team Member	Responsibilities	Key Contributions
Team Member 1	Collect requirements, define project scope, document processes, oversee execution	<ul style="list-style-type: none">- Conducted requirement gathering & planning- Prepared project documentation (SRS, Use cases, Requirement Analysis)- Designed business workflow & process mapping- Coordinated team meetings & task allocation
Team Member 2	Data model creation, object relationships, user security, validation	<ul style="list-style-type: none">- Created custom objects (Donor, NGO, Volunteer, Food Donation, Delivery)- Defined fields, relationships & record types- Configured profiles, permission sets & page layouts- Applied validation rules & data integrity measures
Team Member 3	Implement automation & notifications in Salesforce	<ul style="list-style-type: none">- Developed Flows for donation posting, volunteer assignment, and notification triggers- Configured Email Alerts & Process Builder/Flow- Created approval process for NGO verification- Automated status updates & routing
Team Member 4	Testing, bug fixing, version deployment & user training	<ul style="list-style-type: none">- Prepared test cases & executed system testing- Performed performance & functionality testing- Documented test results & improvements- Assisted in deployment & user guide preparation

Phase 1: Brainstorming, Idea Generation, and Prioritization

Purpose and Approach

Team Collaboration & Problem Statement

Every day, large amounts of edible food are wasted by hotels, restaurants, events, hostels, and households. At the same time, many underprivileged and homeless people struggle to find nutritious meals. There is no efficient system to connect donors with NGOs and volunteers for timely and safe distribution of leftover food.

This project aims to develop a Salesforce-based platform that enables donors to post available food, notifies NGOs & volunteers, tracks pickup & delivery, ensures food safety, and minimizes food wastage, thereby addressing hunger in the community.

Brainstorming & Idea Listing

Team members freely shared ideas for automation, user experience, mobile access, and real-time communication.

Ideas were compiled to ensure inclusiveness and creativity before filtering and prioritization.

Idea Organization

- Donor registration (Hotels/Restaurants/Individuals)
- NGO registration & approval process
- Volunteer onboarding & verification
- Donor, NGO, Volunteer objects
- Flow for NGO/volunteer assignment
- Auto expiry validation for food
- NGO notification on available food
- status label: Fresh / Near Expiry
- Dashboard for total food saved
- Report on volunteer contribution
- NGO participation reports
- Feedback after delivery
- Role-based access

Action Plan & Next Steps

1. Salesforce Data Model Design

Action	Output
Create Custom Objects	Donor, NGO, Volunteer, Food Donation, Delivery
Define relationships	Lookup connections for seamless tracking
Set page layouts & apps	Organized UI for each user role

2. Build Core System

Action	Output
Develop food donation submission form	Donors submit surplus food info
NGO approval process	Verified NGOs only
Volunteer assignment flow	Automated pickup allocation
Add food quality/expiry rule	Safe food distribution

3. Configure Communication

Action	Output
Email/SMS alerts	Instant donor → NGO → volunteer communication
Status update notifications	Real-time tracking of food movement

4. Mobile-Friendly Setup

Action	Output
Enable Salesforce mobile app usage	Volunteers update on-field
Optimize mobile layouts	Faster data entry & updates

5. Dashboards & Analytics

Action	Output
Create impact dashboard	Food saved, meals delivered
Create volunteer & NGO reports	Performance evaluation

6. Deployment

Action	Output
Deploy solution to Production	Ready system
Train users (donor/NGO/volunteer)	Quick adoption & usage
Provide user manual	Support & clarity

7. Future Enhancements

Planned Enhancement	Benefit
AI-based donation prediction	Optimize pickup planning
Route optimization & maps	Faster delivery
Reward system for volunteers	Motivation & retention
Integration with food safety sensors	Advanced safety checks