

# To Supply Leftover Food to Poor

Leveraging Salesforce for Food  
Redistribution

# User Story

- The project aims to leverage Salesforce to streamline the process of collecting surplus food from various sources and distributing it to those in need. It focuses on creating an efficient and transparent system for managing food donations, coordinating with volunteers, and ensuring timely delivery to beneficiaries.

# Project Overview

- Objective: Create a platform leveraging Salesforce to connect surplus food with organizations or individuals in need.
- Goals:
  - - Minimize food wastage
  - - Alleviate hunger
  - - Facilitate efficient redistribution of excess food.

# Project Flow

- 1. Salesforce Developer Account Creation
- 2. Objects
- 3. Tabs
- 4. Lightning App
- 5. Fields
- 6. Flows
- 7. Triggers
- 8. Profiles
- 9. User Creation

# Milestone 1: Account Creation

- 1. Create a Salesforce developer account.
- 2. Activate the account via email verification.
- 3. Set a password and security question.
- 4. Access the Salesforce setup page.

# Milestone 2: Object Creation

- 1. Venue
- 2. Drop-Off Point
- 3. Task
- 4. Volunteer
- 5. Execution Details

# Milestone 3: Tabs

- Tabs provide a user interface to build and view records for objects.
- Steps to create tabs:
  - - Select object
  - - Define tab style
  - - Assign to user profiles.

# Milestone 4: Lightning App

- Steps to create a Lightning App:
- 1. Name the app and set navigation style.
- 2. Add navigation items like Home, Venue, Drop-Off Point.
- 3. Assign user profiles.



# Milestone 5: Fields

- Relationship fields:
  - - Lookup Relationship
  - - Master-Detail Relationship
- Fields for objects:
  - - Contact Email, Contact Phone, Location (Geolocation).

# Milestone 6: Flows

- 1. Create a Screen Flow for Venue object.
- 2. Add components (text, email, phone, location).
- 3. Save and link the flow to a record creation element.

# Milestone 7: Triggers

- Trigger Code Example:
- Assign distance calculation:
- trigger DropOffTrigger on Drop\_Off\_point\_\_c (before insert) {
- for(Drop\_Off\_point\_\_c Drop : Trigger.new){
- Drop.Distance\_\_c =  
Drop.distance\_calculation\_\_c;
- }
- }

# Milestone 8: Profiles and Users

- Profiles:
  - - Clone Standard Platform User to create NGO Profile.
- Users:
  - - Create user accounts for NGOs.
  - - Assign appropriate profiles.

# Milestones 9-12: Reports & Dashboards

- Public Groups:
  - - Group users by roles or access needs.
- Reports:
  - - Create custom report types.
  - - Design reports for venues and volunteers.
- Dashboards:
  - - Visualize report data.

# Milestones 13-15: Sharing Rules & Home Page

- Sharing Rules:
  - - Define rules based on distance criteria.
  - - Share data with public groups.
- Home Page:
  - - Use Lightning App Builder.
  - - Add flow and dashboard components.

# Conclusion

- The project established a streamlined system for managing surplus food donations, effectively addressing food insecurity and maximizing resource utilization.