



Supplying Leftover Food to the Poor

Project Overview:

The aim of this project is to design a Salesforce-based solution that facilitates the collection, management, and distribution of leftover food to underprivileged communities. By leveraging Salesforce's tools, the project seeks to create an efficient and scalable system that connects food donors, logistics partners, and beneficiary organizations.

Objectives:

- Minimize food wastage by redistributing leftover food.
- Create a user-friendly platform to connect donors, logistics partners, and beneficiaries.
- Ensure traceability and accountability in the food distribution process.
- Enhance the efficiency of operations using Salesforce features.

Key Components

1. Stakeholders

- Food Donors: Restaurants, event organizers, grocery stores, and households.
- Logistics Partners: Delivery services and volunteers.
- Beneficiaries: NGOs, food banks, shelters, and underprivileged communities.

2. Features





Food Donor Portal

- Allow donors to:
 - Register and create profiles.
 - Log leftover food details (quantity, type, expiry, and location).
 - Schedule pickup times.

Logistics Management

- Assign pickups to logistics partners.
- Track real-time progress of food collection and distribution.
- Optimize routes for pickups and deliveries.

Beneficiary Organization Portal

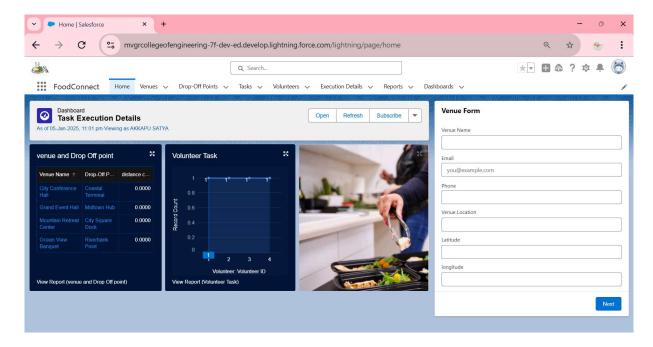
- Enable NGOs and food banks to:
 - Register and create profiles.
 - View available food and request supplies.
 - Confirm receipt of food deliveries.

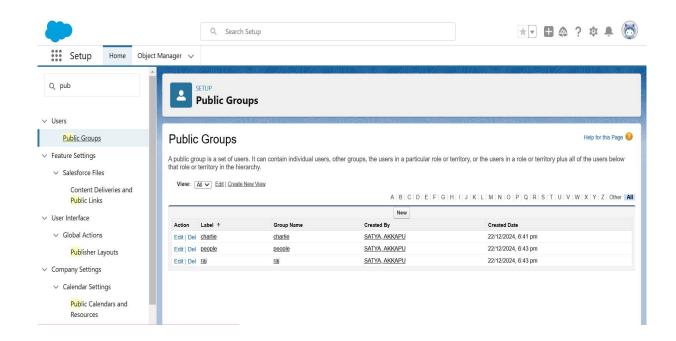
Admin Dashboard

- Monitor and manage the overall process.
- Generate reports on:
 - Food donations.
 - Logistics performance.
 - Beneficiary impact.



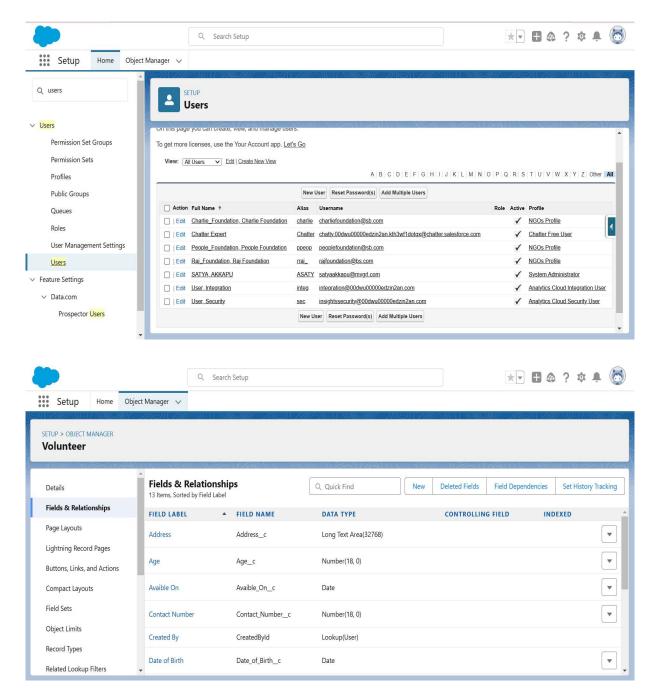






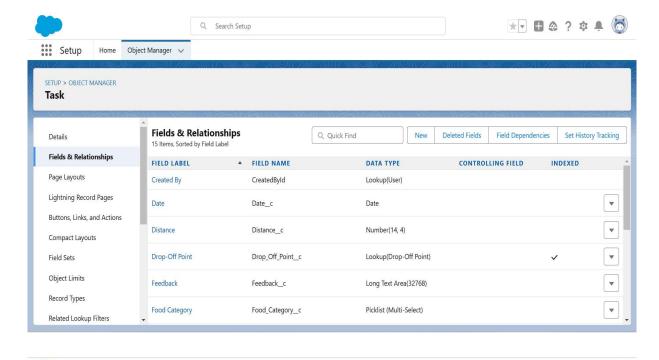


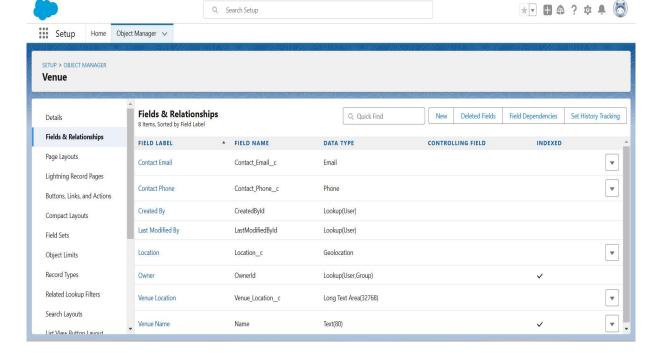


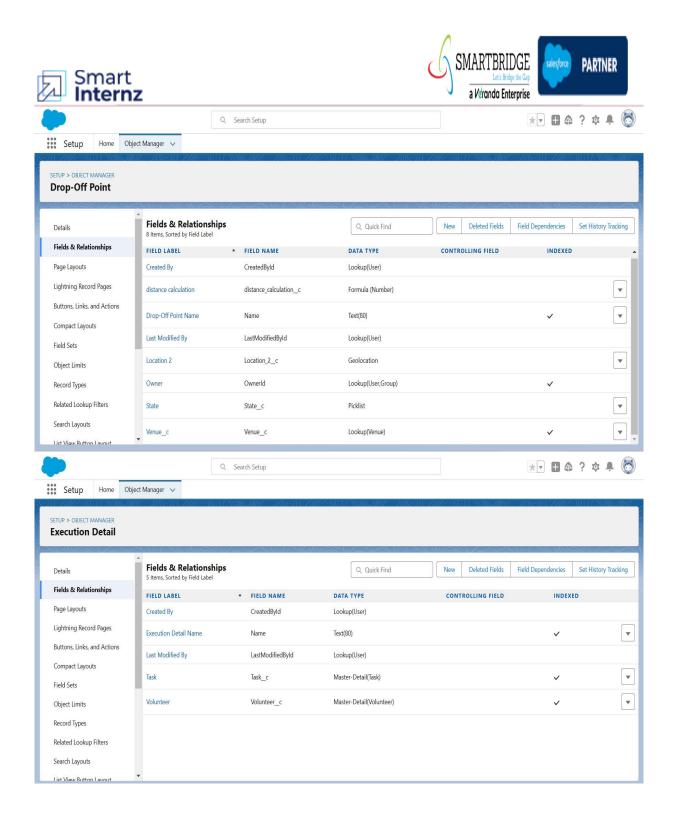


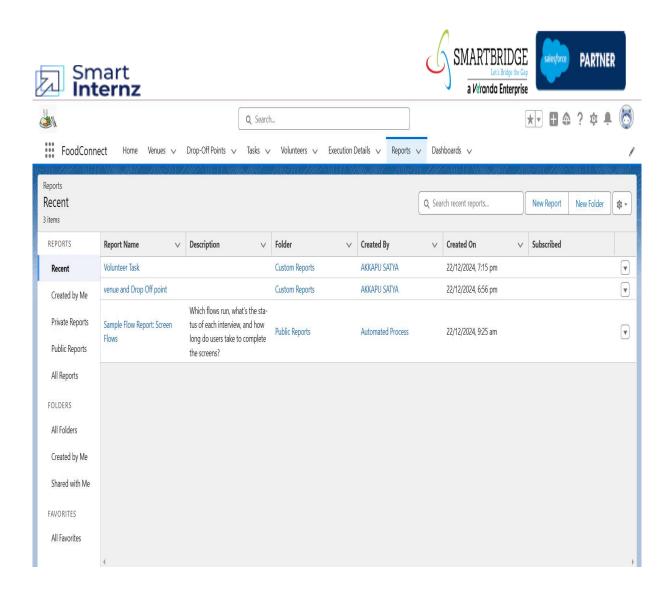


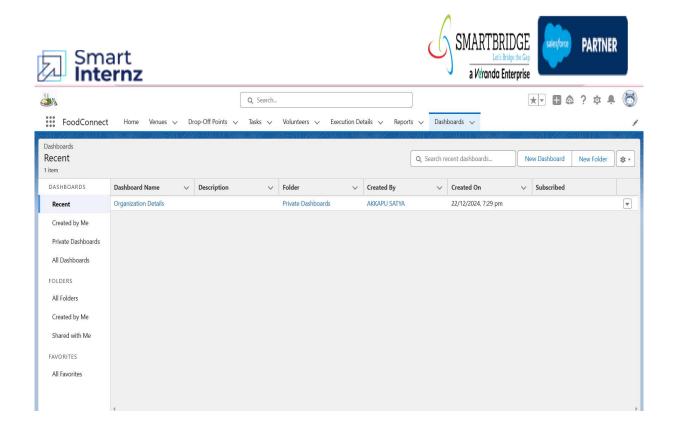












Process Workflow

- 1. **Donor Registers Food**: A donor logs leftover food details through the portal.
- 2. **Logistics Partner Assignment**: The system assigns a logistics partner to collect the food based on location and availability.
- 3. **Food Pickup**: Logistics partner collects the food from the donor.
- 4. Food Distribution: Collected food is delivered to the beneficiary organization.
- 5. **Feedback Collection**: System collects feedback from donors and beneficiaries to improve services.

Benefits

- Environmental Impact: Reduces food wastage and its associated carbon footprint.
- Social Impact: Provides meals to underprivileged communities, improving their quality of life.





• Operational Efficiency: Streamlines the food donation and distribution process.

Future Enhancements

- Integrate AI to predict food demand and optimize distribution.
- Implement blockchain for enhanced transparency and traceability.
- Develop a mobile application for donors and beneficiaries.

Technical Implementation

1. Salesforce Features Used

- Salesforce Service Cloud: Manage donor requests, logistics, and beneficiary communication.
- Salesforce Flow: Automate processes such as donor notifications and logistics assignments.
- Reports and Dashboards: Track KPIs like food donations and delivery times.
- Salesforce Mobile App: Enable on-the-go updates for logistics partners.

2. Data Model

- Objects:
 - **Donor**: Stores donor information and donation history.
 - Food Donation: Tracks details of each donation.
 - Logistics Partner: Contains details of logistics providers.
 - Beneficiary: Records information about NGOs and shelters.
 - **Delivery**: Tracks the status and history of each delivery.
- Relationships:
 - Food Donations are linked to Donors.
 - Deliveries are linked to both Food Donations and Logistics Partners.

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■ Beneficiary requests are linked to Deliveries.

Conclusion

This Salesforce-based solution bridges the gap between food surplus and scarcity, ensuring efficient and impactful redistribution of leftover food. By leveraging the platform's capabilities, the project contributes to a more sustainable and socially responsible future.