



Food Connect Project

To Supply Leftover Food to Poor

1. Project Overview

This project is centered on addressing the issue of food wastage and hunger through a solution titled "Redistributing Leftover Food to the Needy." The initiative aims to provide an effective approach by utilizing Salesforce Nonprofit Cloud, Service Cloud, and Einstein Analytics. The project seeks to optimize food redistribution processes, enhance operational transparency, and promote community participation, ultimately contributing to the broader objectives of reducing food insecurity and cutting down on food waste.

2. Objectives

Business Goals

- Reduce food wastage by redistributing surplus food to individuals in need.
- Establish a clear, traceable process for food donations.
- Provide donors, NGOs, and volunteers with an intuitive and efficient digital platform.

Specific Outcomes

- Create a Salesforce-powered platform for monitoring and managing food donations.
- Implement real-time tools for managing inventory and coordinating food pickup and delivery logistics.
- Develop analytical dashboards to evaluate the project's impact and improve operational efficiency.
- 3. Salesforce Key Features and Concepts Utilized
- Salesforce Nonprofit Cloud: Facilitates collaboration with NGOs and tracks food requests efficiently.
- Service Cloud: Manages inquiries from donors and volunteers.
- Einstein Analytics: Delivers actionable insights via interactive dashboards and reports.

Custom Objects

• Food Donations: Maintains records of food donation details.





- Pickup Schedules: Organizes and monitors logistics for food collection and delivery.
- **Distribution**: Tracks the delivery of food to NGOs and end recipients.

Automations

- Email/SMS Notifications: Sends alerts for donation confirmations and task updates.
- Workflow Rules: Automatically assigns volunteers to manage food pickups.

4. Detailed Steps to Solution Design

Data Models

- Entities:
 - Donor: Captures information about donors.
 - Food Donation: Logs details of donated food, including quantities.
 - NGO: Maintains information about charitable organizations.
 - Volunteer: Tracks tasks allocated to volunteers.
 - Distribution: Documents the status of food deliveries.

User Interface Designs

- Donor Portal: A user-friendly platform for submitting food donation entries.
- Volunteer Dashboard: Displays an overview of assigned tasks, including those pending and completed.
- NGO Management Panel: Provides NGOs with a tool to view food availability and submit donation requests.

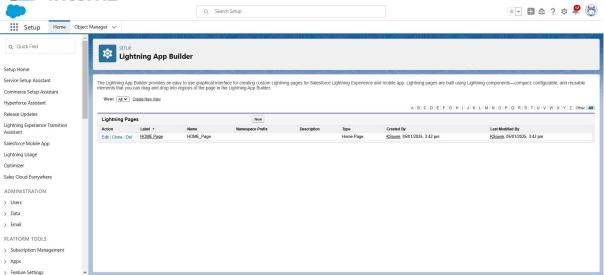
Business Logic

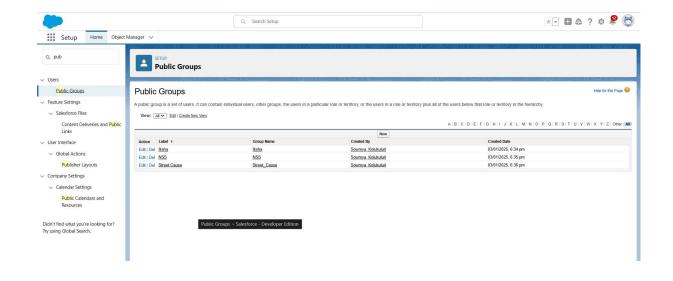
- Triggers: Apex triggers that automatically allocate logistics resources for food donations.
- Validation Rules: Safeguards the accuracy of donation data, such as ensuring food expiry dates are valid.
- Scheduled Jobs: Periodically removes records of expired food donations.







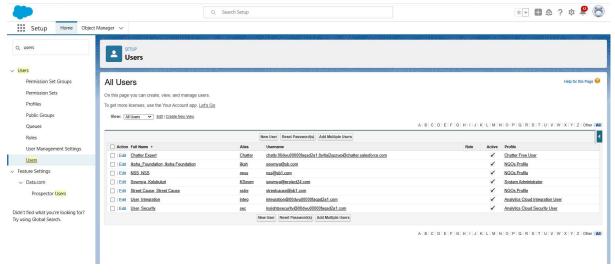


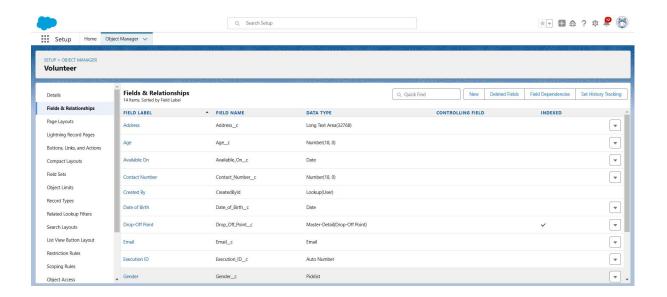








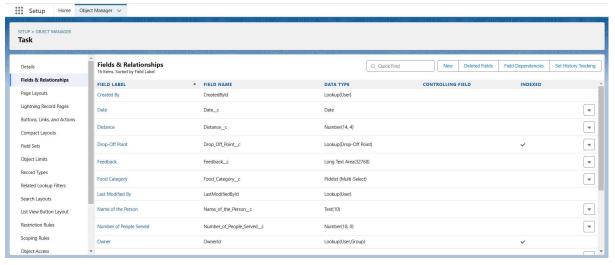


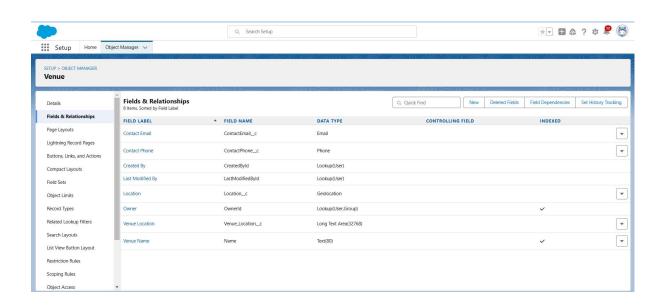








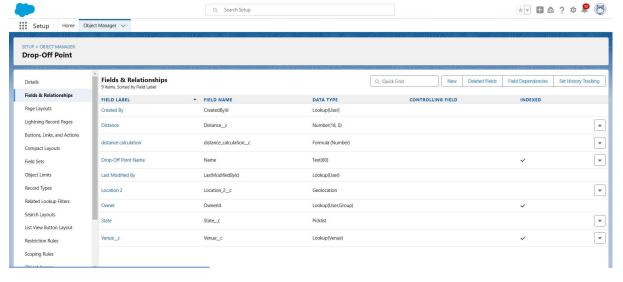


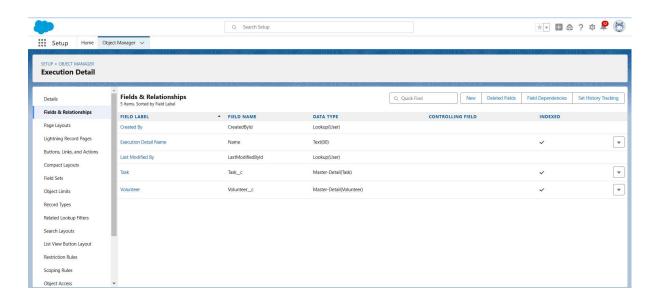


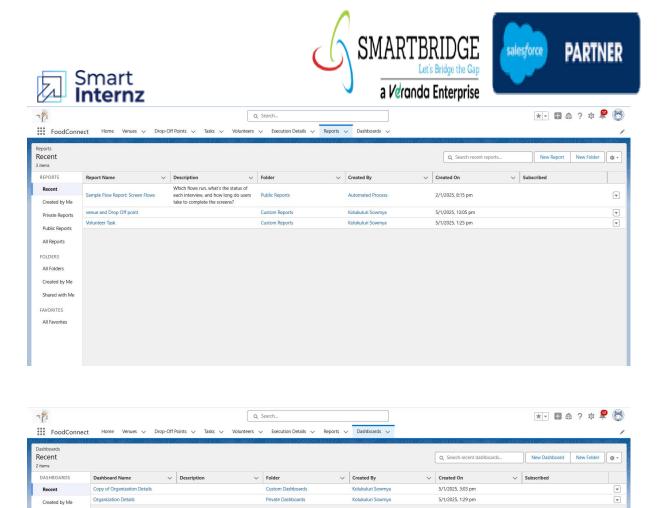












5. Testing and Validation

Unit Testing

Private Dashboards
All Dashboards
FOLDERS
All Folders
Created by Me
Shared with Me
FAVORITES

- 2 Apex classes and triggers were tested with a minimum of 95% code coverage.
- 2 Validation rules and workflows were tested with dummy data to ensure correct behavior.

User Interface Testing

2 Conducted end-to-end testing for donor, NGO, and volunteer portals.





- Ensured mobile compatibility for on-the-go access.
- Tested usability with stakeholders for a user-friendly experience.

6. Key Scenarios Addressed by Salesforce in the

Implementation Project

This gives clarity that you are addressing various use cases or situations that Salesforce can handle during the implementation.

Food Donation Management: Donors can log leftover food details, and the system tracks food availability in real time.

Pickup and Delivery Scheduling: Volunteers receive automated assignments for pickups and deliveries.

Transparency and Reporting: NGOs receive detailed reports on food distribution, while donors can track their impact.

Scalability: The system supports multiple regions and can expand as the initiative grows.

Quality Assurance: Alerts notify the system admin about food nearing expiration, ensuring timely distribution.

7. Conclusion

The "Redistributing Leftover Food to the Needy" project effectively tackles the intertwined issues of food waste and hunger through a Salesforce-driven solution.

Key Achievements:

- Creation of a transparent and efficient platform for food redistribution.
- Empowerment of all stakeholders through real-time data insights and optimized workflows.
- Notable reduction in food wastage, contributing positively to underserved communities.

This initiative highlights how technology can address pressing social issues and sets the stage for further growth and innovative advancements in the future.





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