

**Project Title**

To Supply Leftover Food to Poor

## **1. Project Overview**

This project focuses on leveraging Salesforce to create a platform that facilitates the efficient collection and distribution of leftover food to people in need. The goal is to enhance food rescue operations, minimize food wastage, and contribute to societal welfare. Through this initiative, we aim to improve operational efficiency, streamline coordination among donors and distributors, and promote a sustainable solution for hunger alleviation.

## **2. Objectives**

### **Business Goals:**

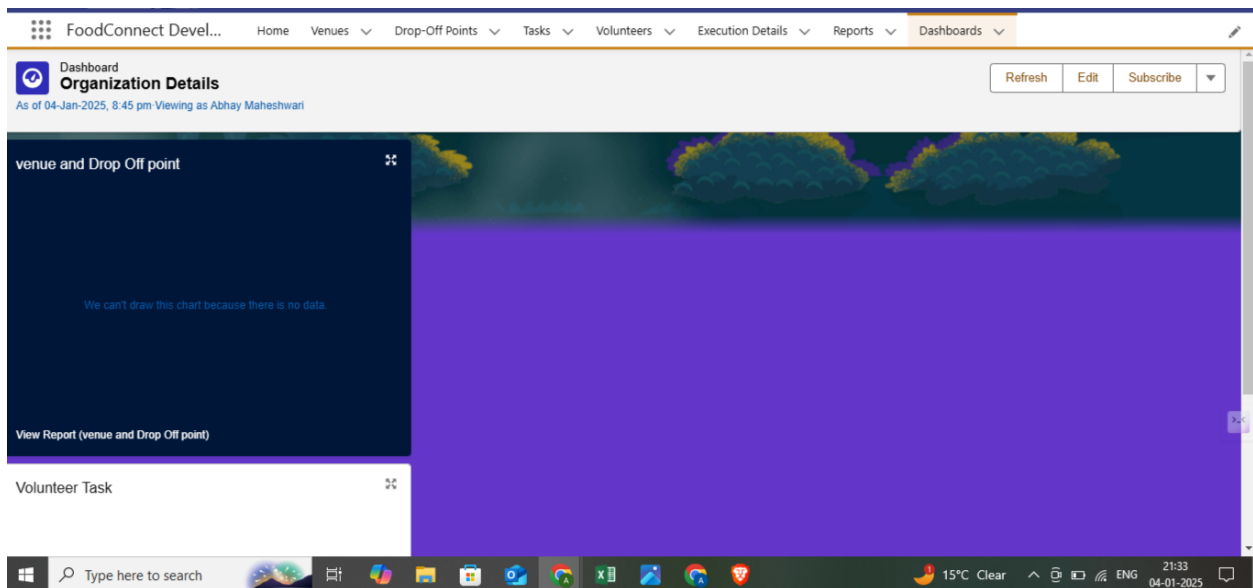
- Reduce food wastage by connecting donors with NGOs and distribution centers.
- Simplify and automate the tracking of food donations and distributions.
- Promote social responsibility and community welfare.

### **Specific Outcomes:**

- A centralized database for managing donors, NGOs, and food inventory.
- Automated workflows for notifying available food and scheduling pickups.
- Real-time tracking of food deliveries and feedback from recipients.

### 3. Salesforce Key Features and Concepts Utilized

- **Salesforce Objects and Relationships:** Custom objects to manage donors, food inventory, and distribution records.
- **Process Automation:** Workflow Rules, Process Builder, and Approval Processes for automated notifications and approvals.
- **Reports and Dashboards:** Insights into donation trends, distribution efficiency, and impact analysis.
- **Lightning App Builder:** User-friendly interfaces for donors, volunteers, and administrators.
- **Apex and Visualforce:** For advanced customizations and tailored solutions.



## 4. Detailed Steps to Solution Design

### 1. Data Models:

- Create custom objects: Donor, Food Inventory, Distribution Records.
- Establish relationships: Lookup and Master-Detail.

### 2. User Interface:

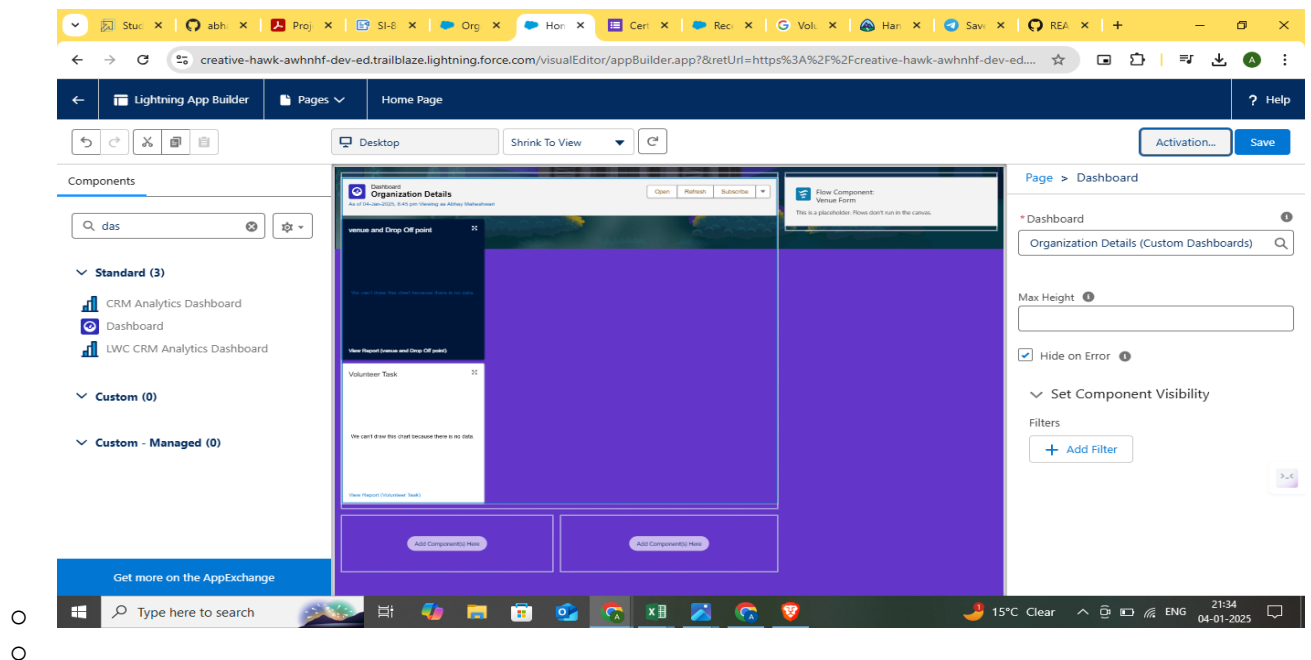
- Design Lightning Pages for easy access to data and actions.
- Create intuitive forms for data entry and updates.

### 3. Business Logic:

- Implement validation rules to ensure data accuracy.
- Develop triggers to automate complex operations.

### 4. Automation:

- Use Process Builder to notify NGOs about food availability.
- Configure scheduled jobs for periodic reminders and updates.



## 5. Testing and Validation

- **Unit Testing:**
  - Validate Apex Classes and Triggers for data consistency.
- **User Interface Testing:**
  - Ensure all screens function correctly across devices.
- **End-to-End Testing:**
  - Simulate the complete food donation process from donor to recipient

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Venue Form

Venue Name

Email

you@example.com

Phone

Venue Location

Latitude

Longitude

Next

15°C Clear 21:37 04-01-2025

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## **6. Key Scenarios Addressed by Salesforce in the Implementation Project**

- Notification to NGOs and volunteers when a donor registers food availability.
- Real-time tracking of food pickup and delivery status.
- Automated reports on food rescued and distributed to measure impact.

## 7. Conclusion

### Summary of Achievements:

This project successfully provides a comprehensive solution for reducing food wastage and feeding the needy. With Salesforce's powerful features, we have created an efficient, scalable, and impactful platform, promoting a culture of giving and sustainability.

