# BHARATHIYAR UNIVERSITY ,COIMBATORE KATHIR COLLEGE OF ARTS AND SCIENCE-NEELAMBUR B.SC INFORMATION TECHNOLOGY

Project Title: TO SUPPLY LEFTOVER FOOD TO POOR

Role: DEVELOPER

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Academic Year: 2025-2026

Mentor: Mrs.M.SATHYA

# **ABSTARCT**

The Leftover Food Management System is a Salesforce-based solution designed to streamline the process of collecting and distributing leftover food from restaurants, events, and households to poor and needy people. By creating custom objects, fields, record types, and roles within Salesforce, the system provides an efficient, secure, and user-friendly platform to manage donors, volunteers, and beneficiaries effectively. This project was developed as part of the B.Sc. Computer Science curriculum to gain hands-on experience in CRM application development and teamwork.

The Food Donation and Distribution System is a comprehensive software solution designed to track, manage, and organize leftover food donations. It acts as a bridge between food donors, volunteers, and recipients, ensuring real-time tracking of donations and deliveries while maintaining accurate records and seamless workflows.

As a team We've learned,

Real-time Salesforce Project Development

**Data Modelling** 

Creating a Salesforce Application

**User Interface Customization** 

Object & Relationship Management

Field Dependencies

**Record Types** 

**Cross-object Formulas** 

Flows & Automation

Reports & Dashboards

Validation Rules

Formula Fields

## 1.2 Purpose

The purpose of this project is to reduce food wastage by redistributing surplus food to the needy.

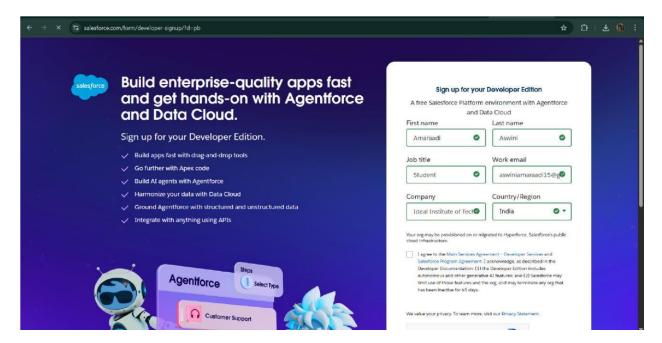
It provides a digital platform to connect food donors with NGOs and volunteers.

The system ensures timely collection, tracking, and delivery of leftover food.

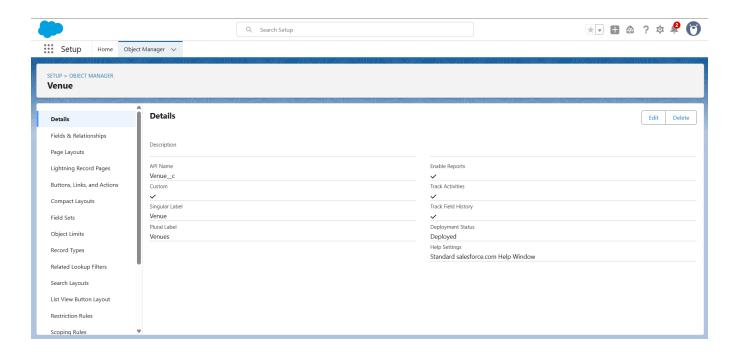
# DEVELOPMENT PHASE

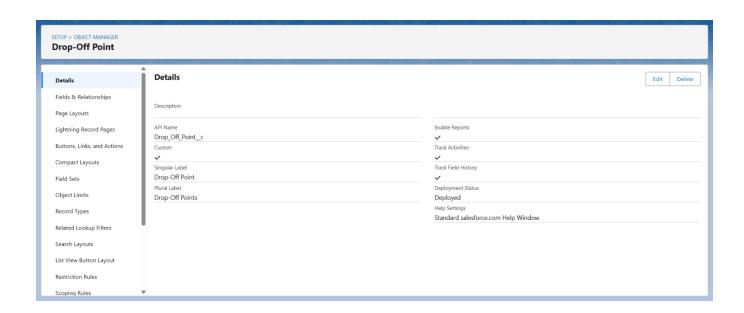
**Creating Developer Account:** 

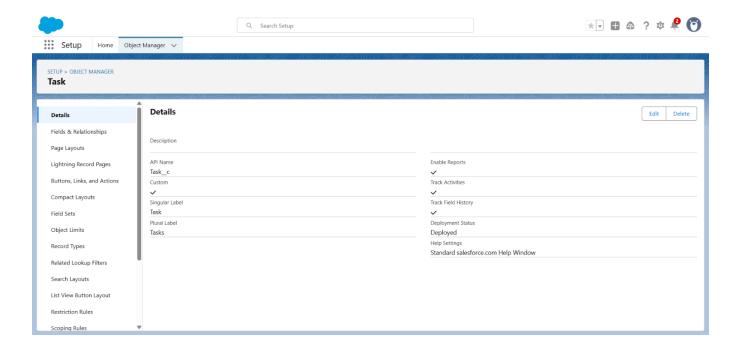
By using this URL <a href="https://www.salesforce.com/form/developer-signup/?d=pb">- https://www.salesforce.com/form/developer-signup/?d=pb</a>

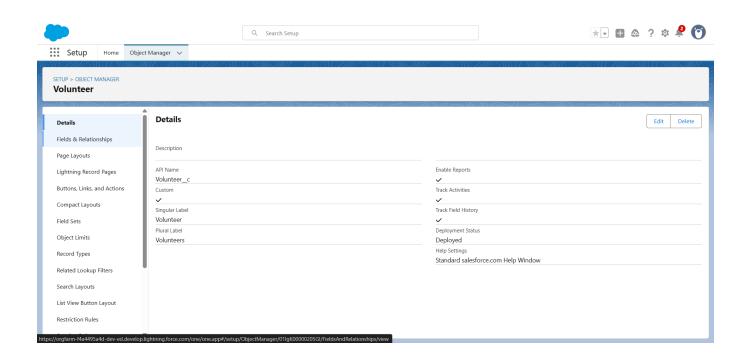


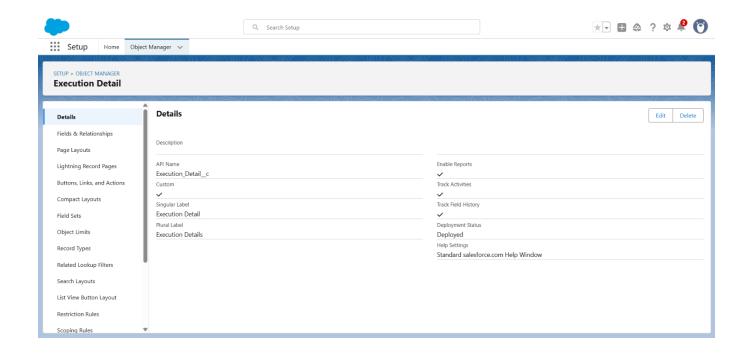
 $\bullet \textbf{Created objects: Venue,} \textbf{Drop-of point,} \textbf{Task,} \textbf{Volunteer,} \textbf{Execution details} \\$ 



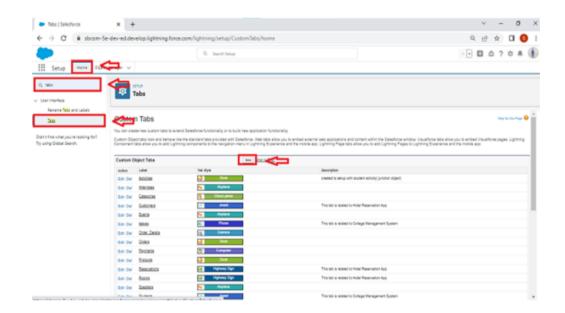




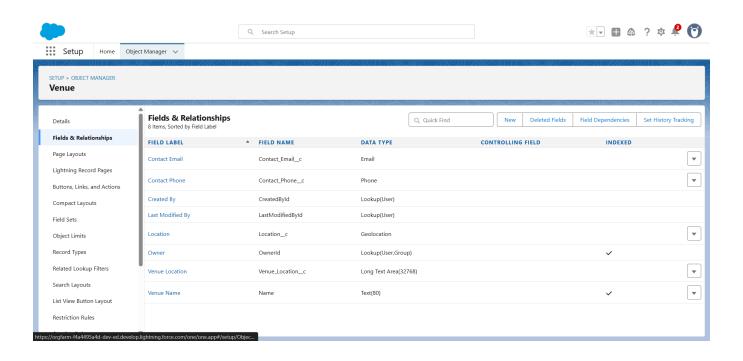


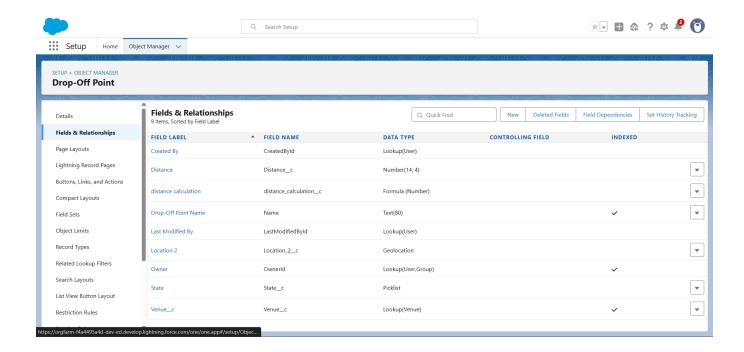


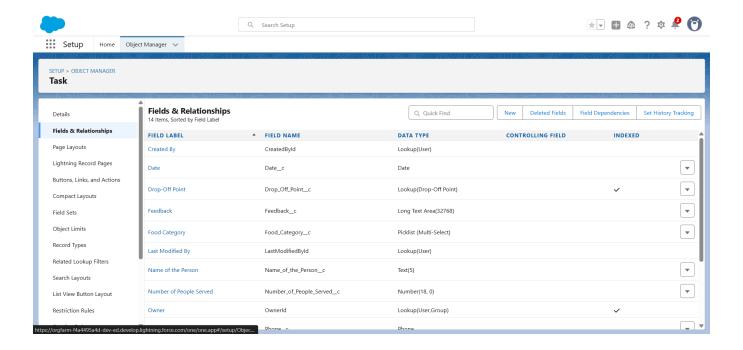
#### Flows

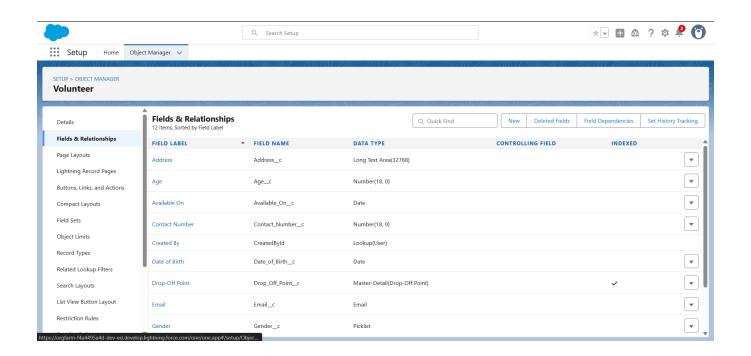


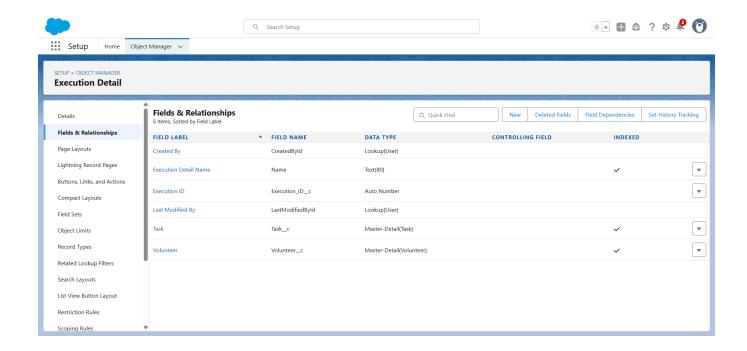
#### • Configured fields and relationships





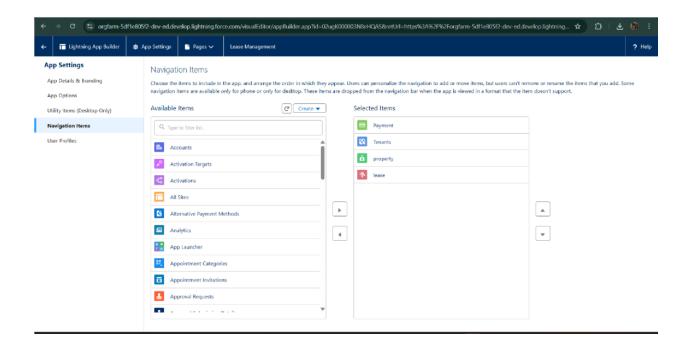


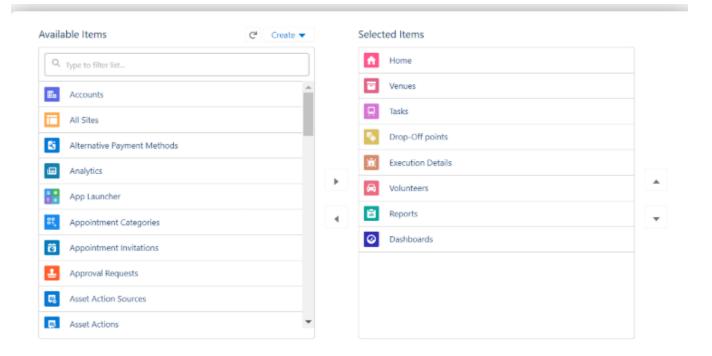


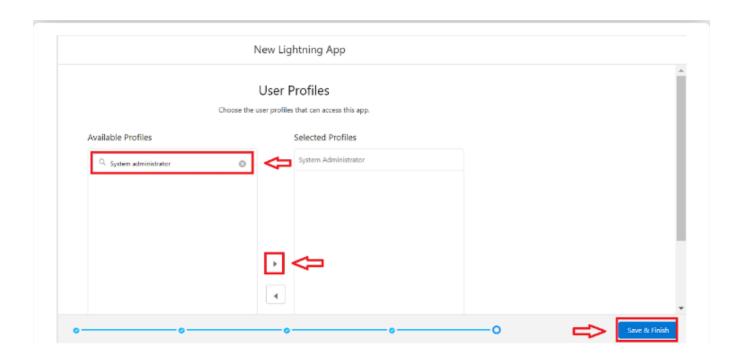


•Developed Lightning App with relevant tabs

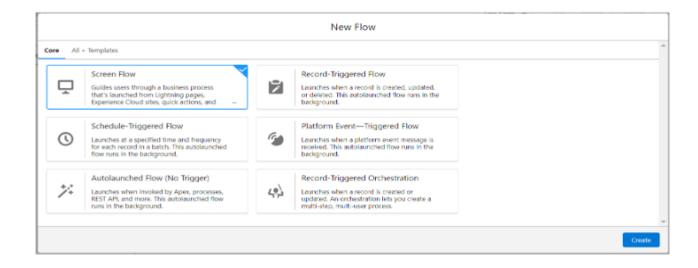


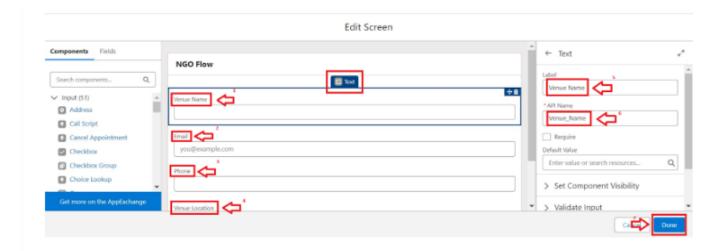


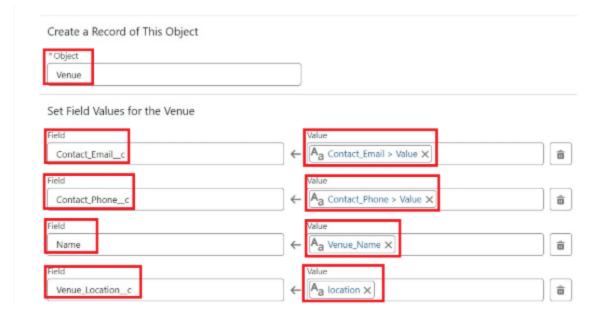




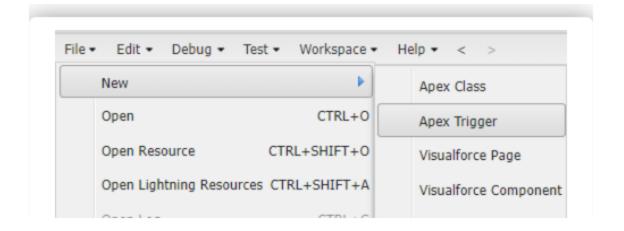
#### •Implemented Flow

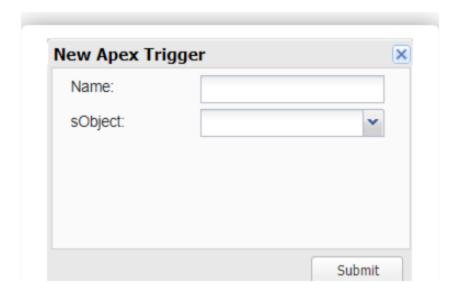






#### Trigger

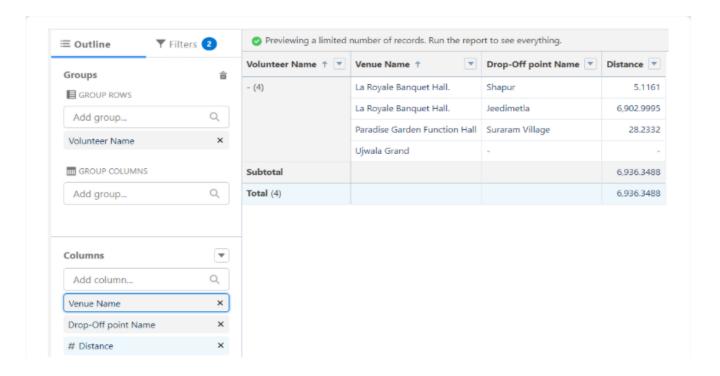




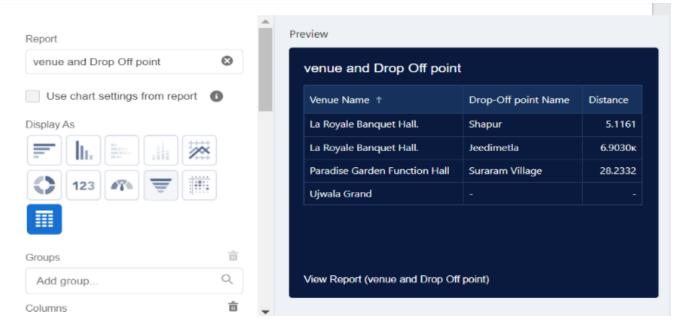
#### Users

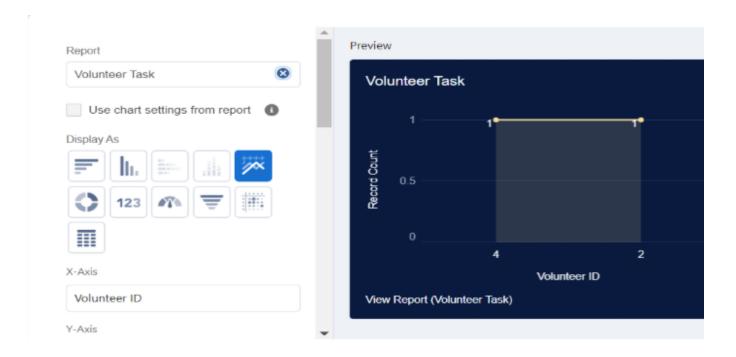


•Reports creation

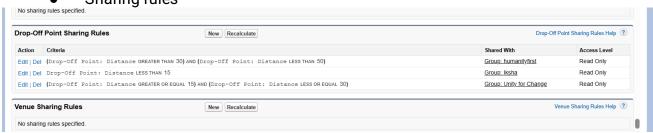


#### Dashboards

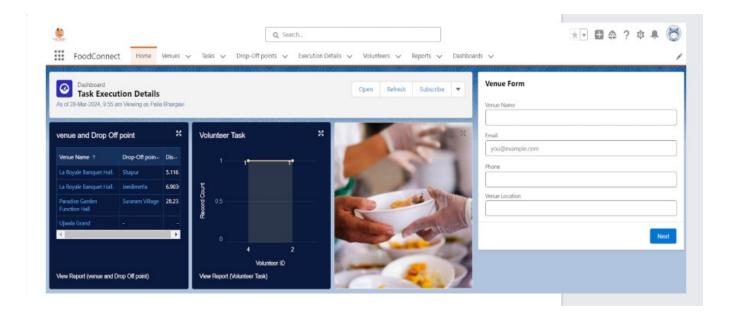




Sharing rules

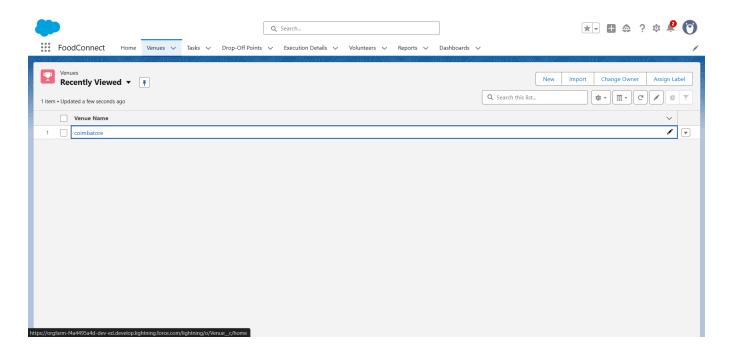


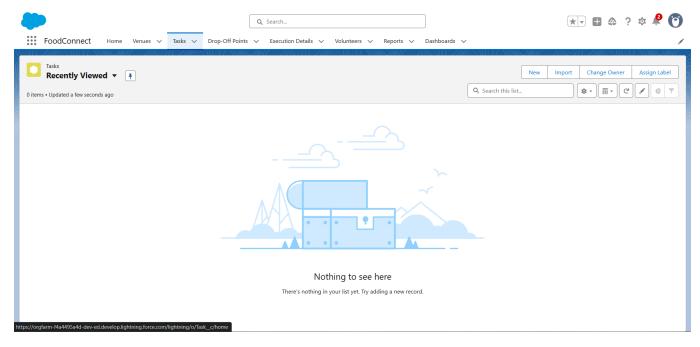
• Home page

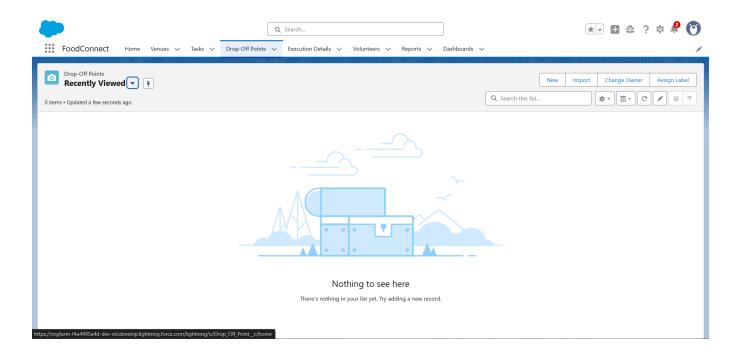


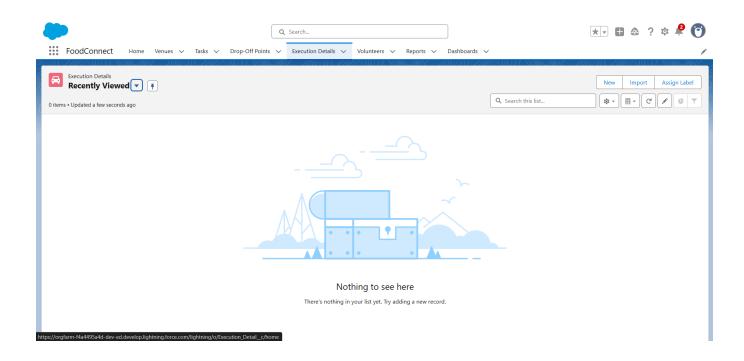
# RESULTS Output Screenshots

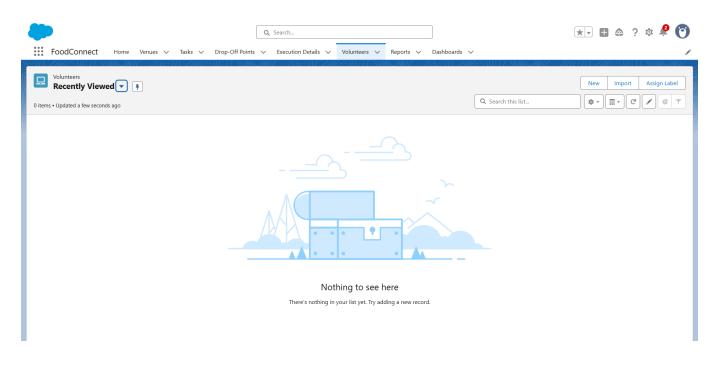
• Tabs for Venue, Drop-of point, Task, Volunteer, Execution details

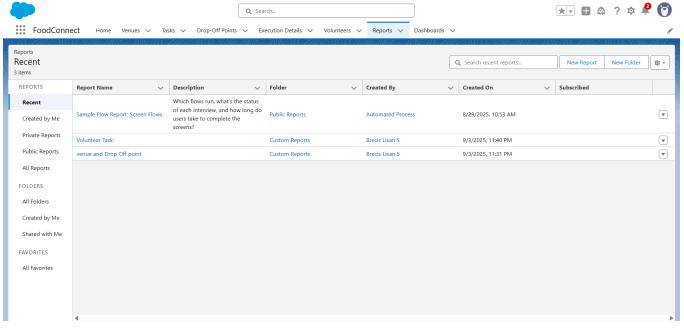


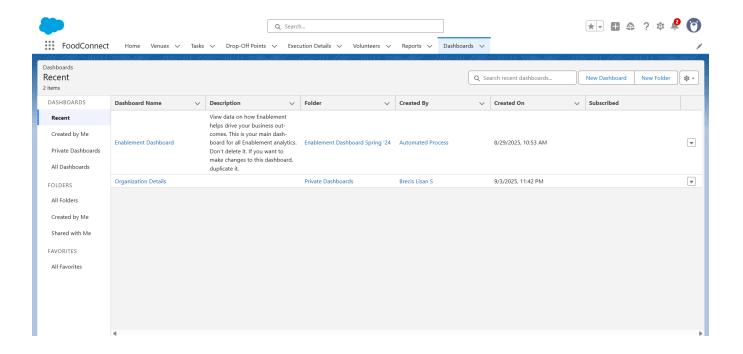












# **ADVANTAGES & DISADVANTAGES**

#### Advantages:

- 1. Reduces food wastage by channeling surplus food to the needy.
- 2. Provides transparency and efficiency through Salesforce tracking and reporting.
- 3. Builds stronger connections between donors, NGOs, and volunteers for social good.

#### Disadvantages:

- 1. Requires continuous donor participation and volunteer availability.
- 2. Possible logistical challenges in timely food collection and delivery.
- 3. Technology dependency may exclude areas with limited internet access.

# CONCLUSION

This project successfully leverages Salesforce technology to reduce food wastage and fight hunger by connecting donors, NGOs, and volunteers. It ensures transparency, efficiency, and

timely distribution of surplus food to the needy. By combining technology with social responsibility, the initiative not only addresses hunger but also promotes sustainability. Overall, it creates a meaningful impact on both the environment and society.

## **APPENDIX**

Source Code: Provided in Apex Classes and Triggers

```
TriggerDropOff
Trigger on
Drop_Off_point
__c (before
insert)
{

for(Drop_Off_p
oint__c Drop:
Trigger.new)
{

Drop.Distance_
c =
Drop.distance_
calculation_c;
}
```