To Supply Leftover Food to Poor

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College Code: bru36

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1.INTRODUCTION

1.1. Project Overview

The "Leftover Food Supply Management System" is an application built to manage, track, and facilitate the collection of surplus food from restaurants, cafes, and events, and distribute it to the needy and poor communities efficiently. The system leverages digital tools and automation for real-time inventory, donor coordination, recipient tracking, and logistics. The project leverages Salesforce features like custom objects, relationships, reports, dashboards, and automation tools.

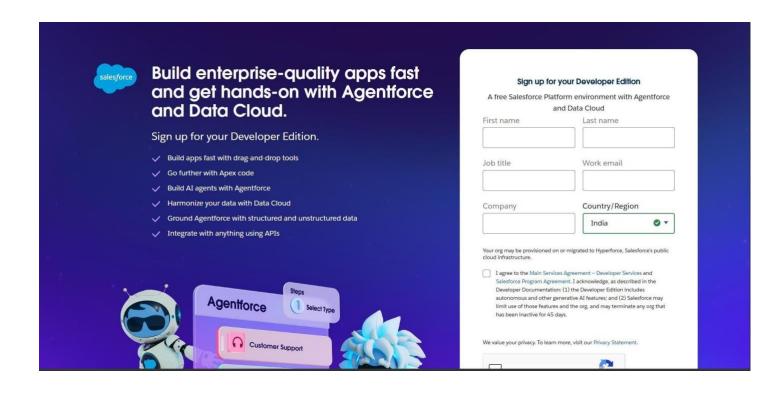
1.2 Purpose

This project aims to develop a scalable, digital platform that ensures safe, efficient, and effective transfer of leftover food to those in need, reducing food wastage and hunger. It focuses on connecting donors, volunteers, and recipients, enabling realtime notifications and data-driven decisions

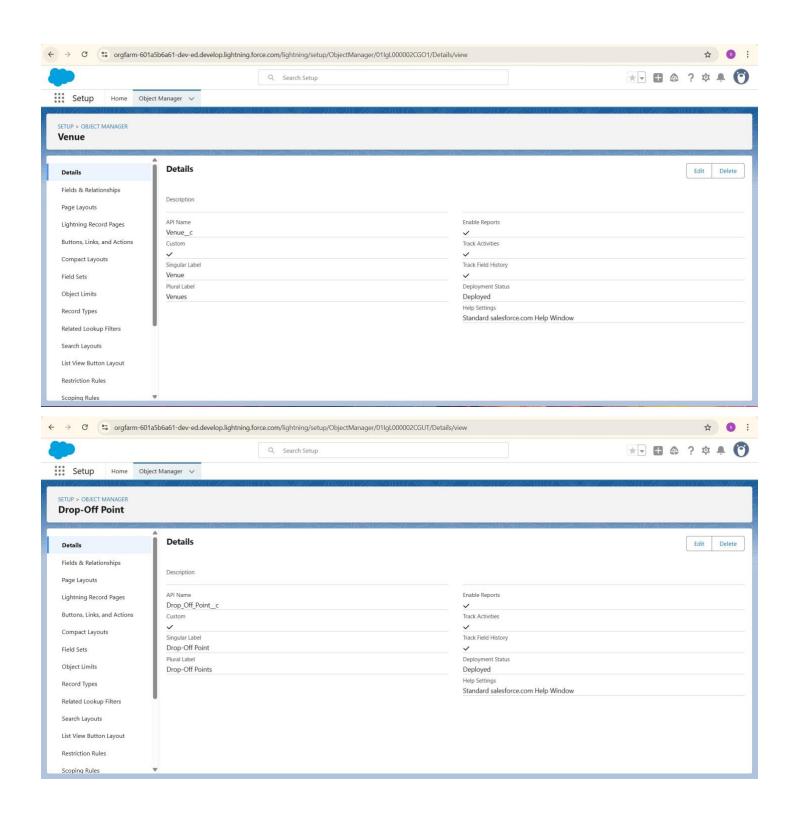
2. Development Phase

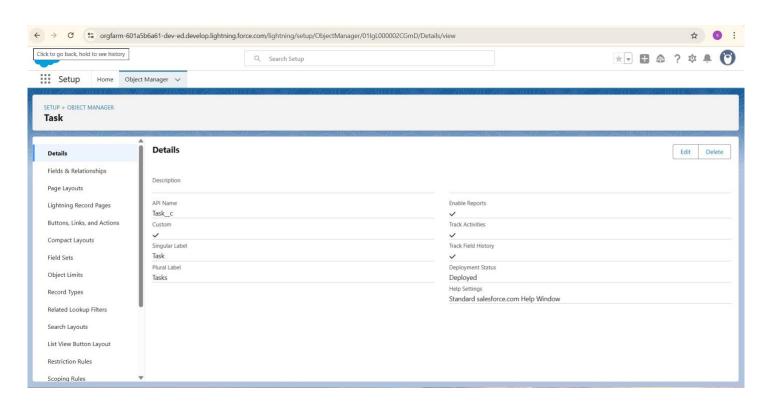
Creating a developer account: We can create an developers account in salesforce by using the following url

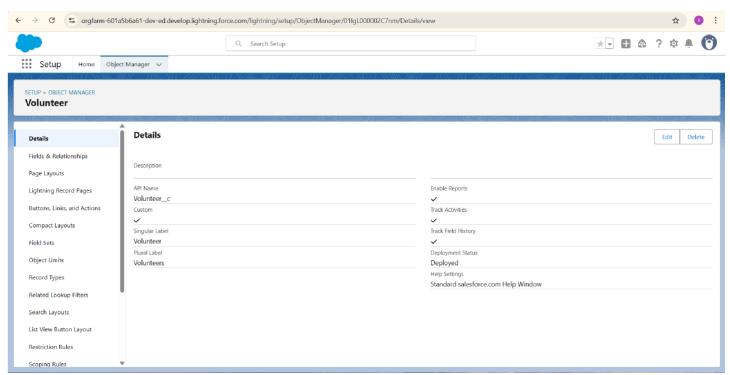
URL:- https://www.salesforce.com/form/developer-signup/?d=pb

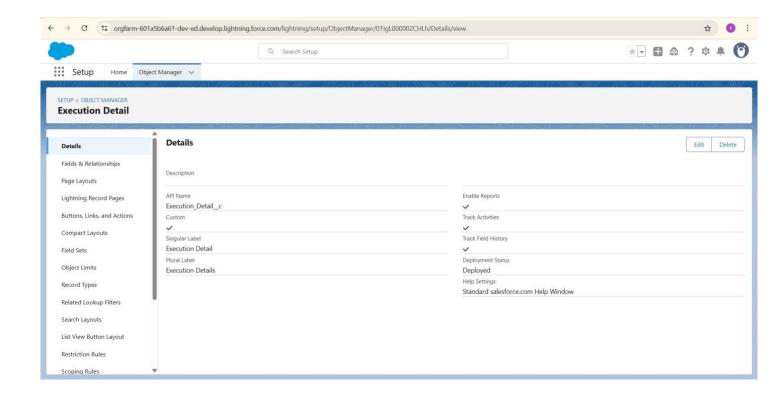


Creating objects:- We created object named Venue, Drop-Off Point, Task, Volunteer, Execution Details.

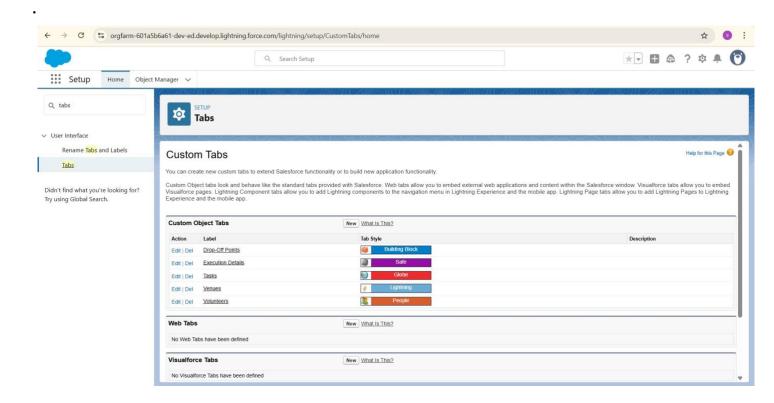




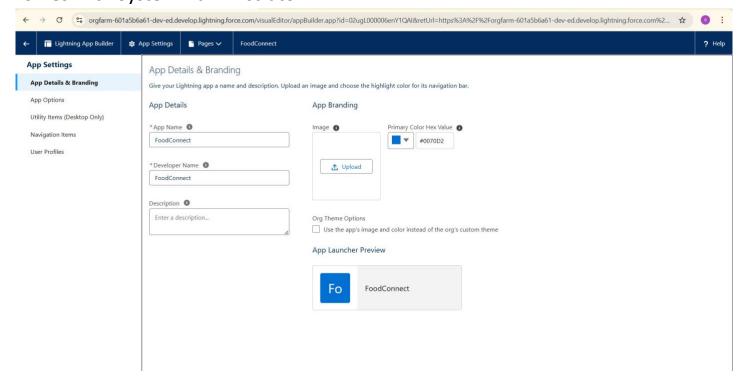


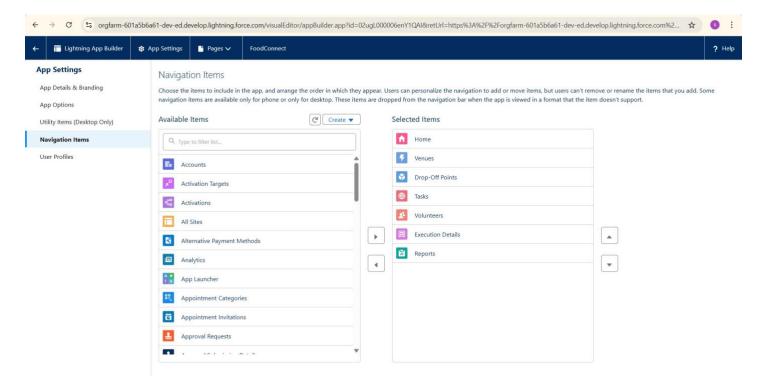


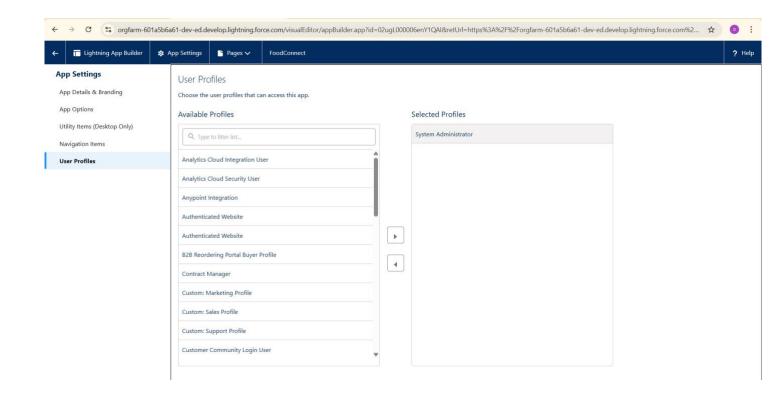
Creating Tabs :- We have created the tabs for the custom made objects Venue, Drop-Off Point, Task, Volunteer, Execution Details.



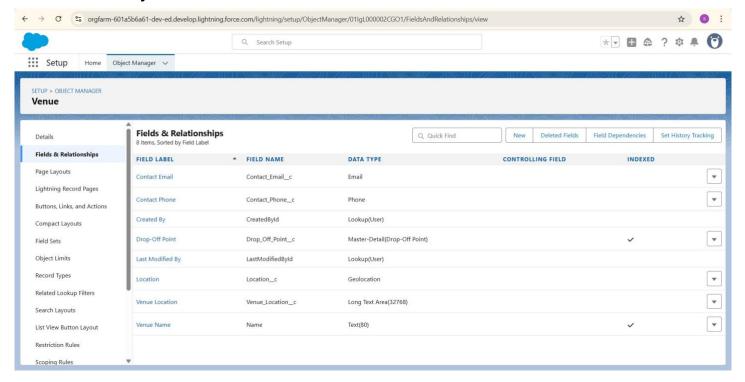
Creating the Lightning app :- We created an lightning app Food Connect with items Venue, Drop-Off Point, Task, Volunteer, Execution Details Reports and Profiles with System Administrator.

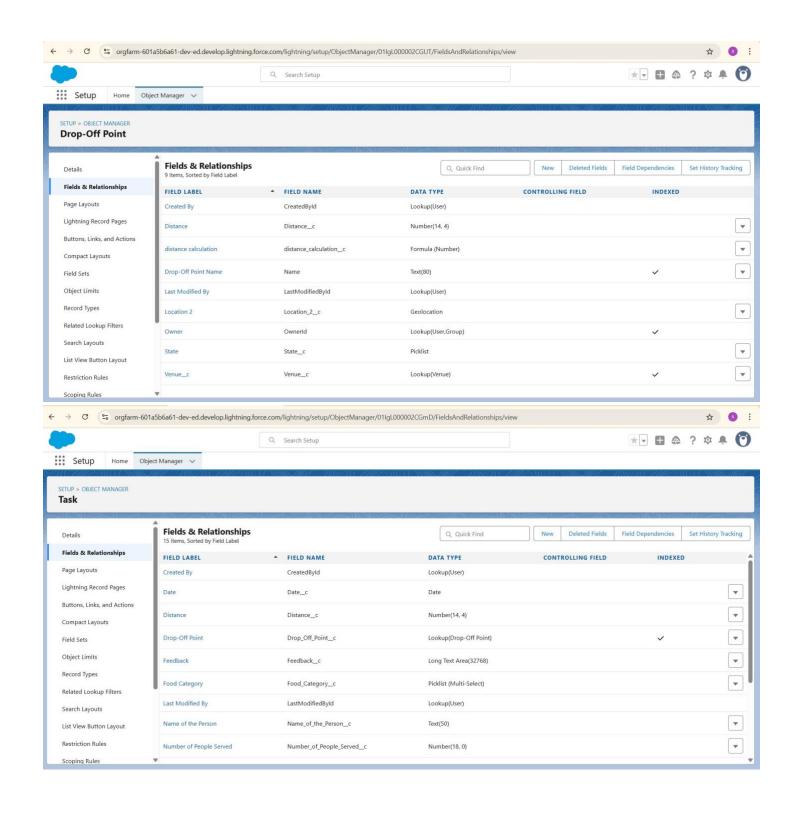


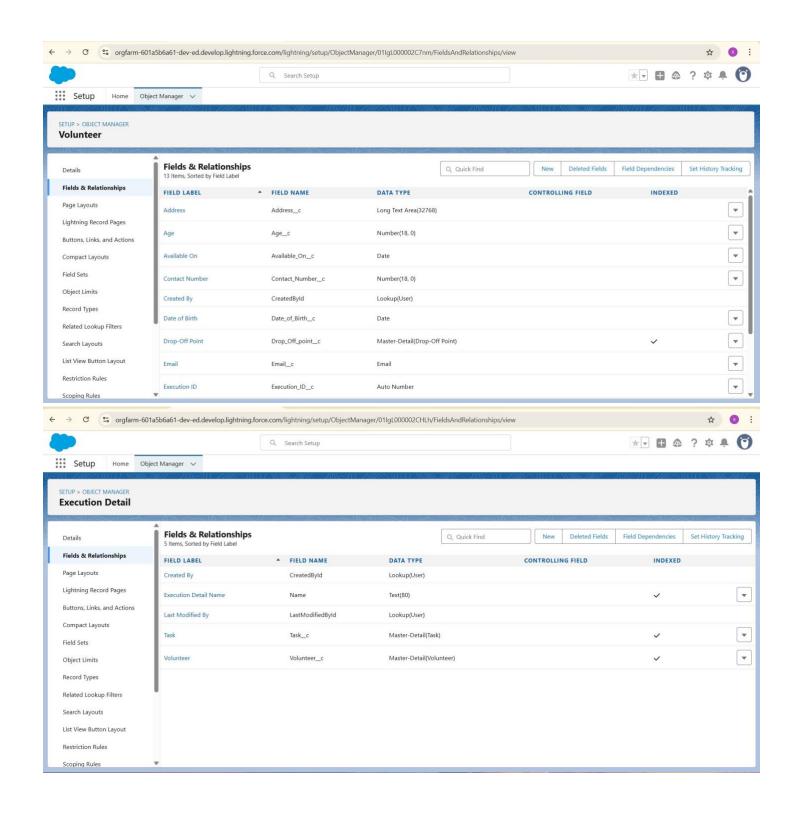




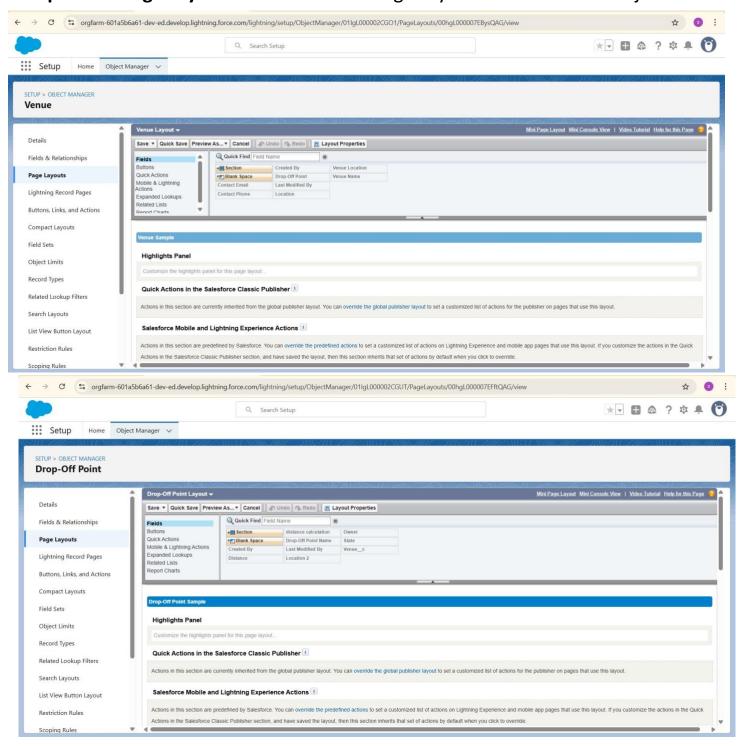
Configuring Fields and Relationship :- We created various fields and relationship for each custom objects.

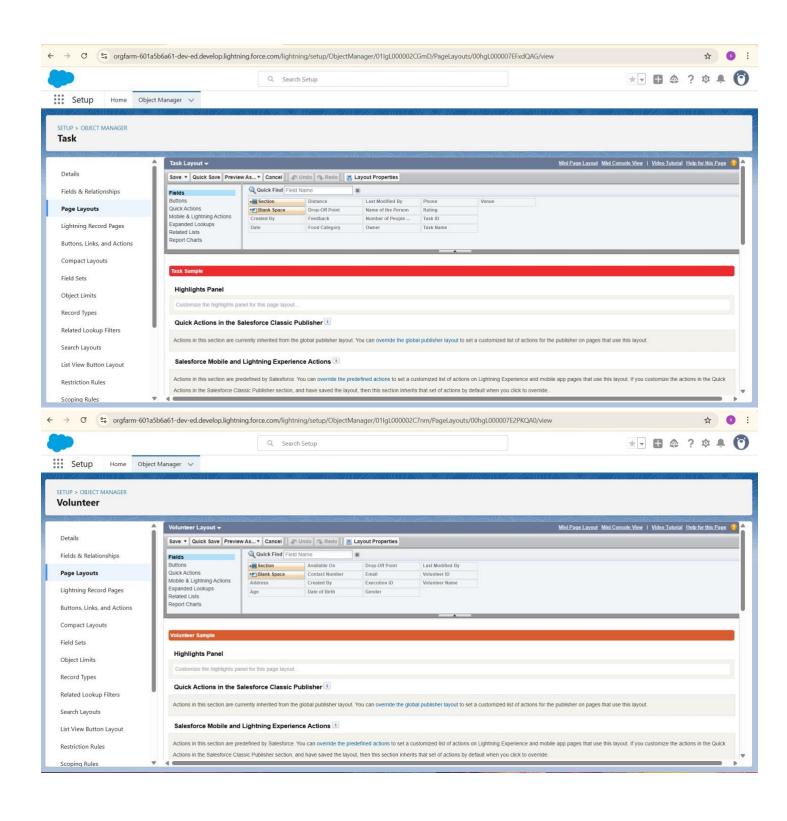


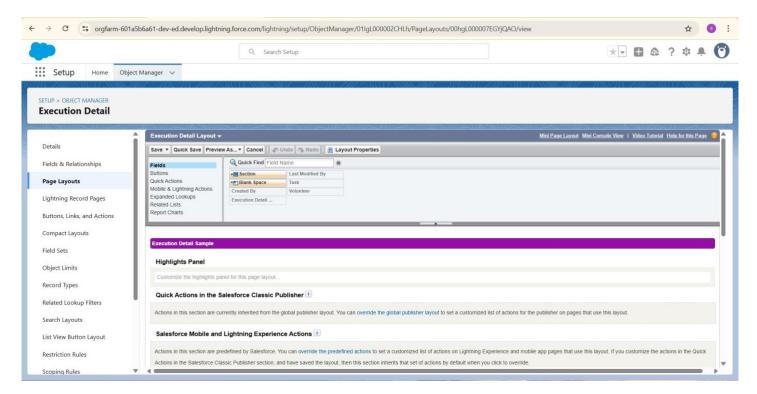




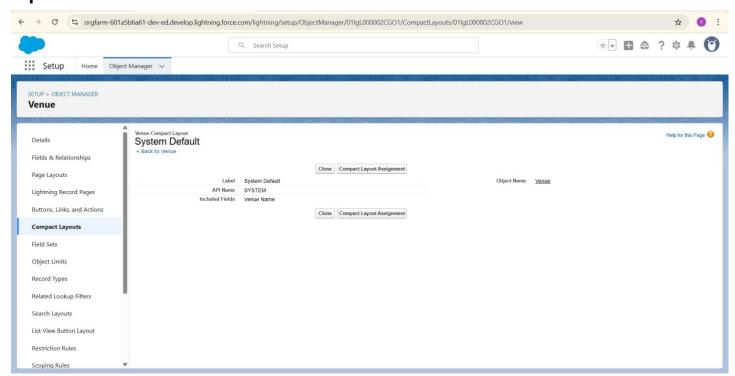
Setup of the Page Layout:- We edited the Page Layout for the custom objects.

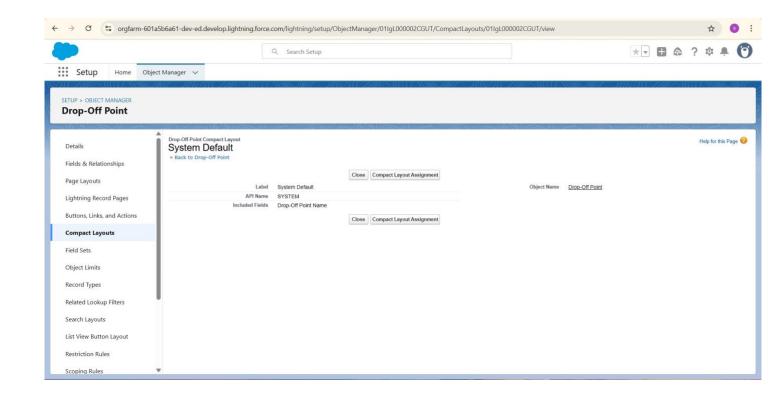




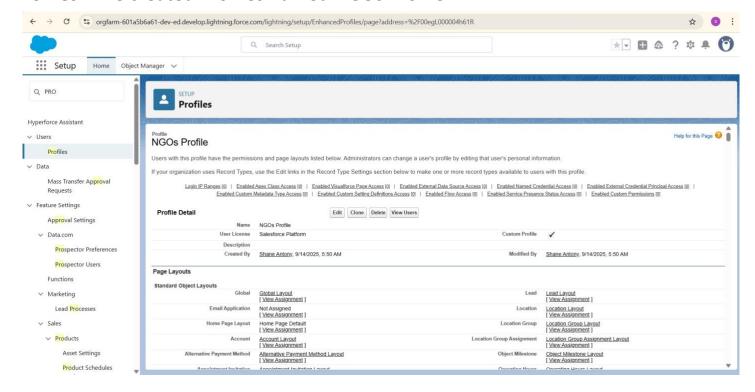


Compact Layout:-We created Compact Layout for the Custom object **Venue and Drop Off Point.**

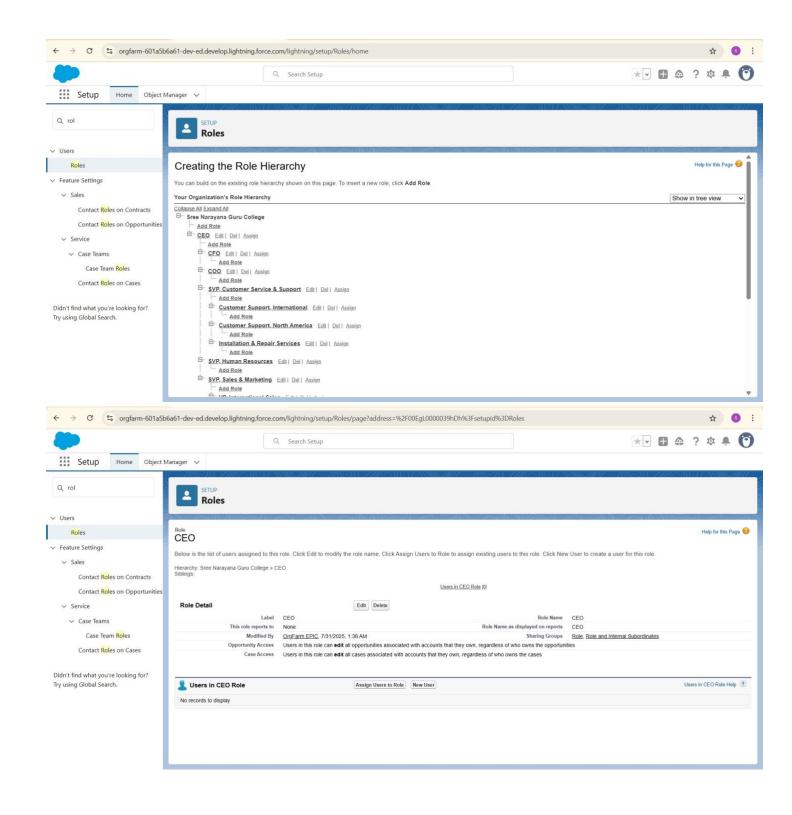




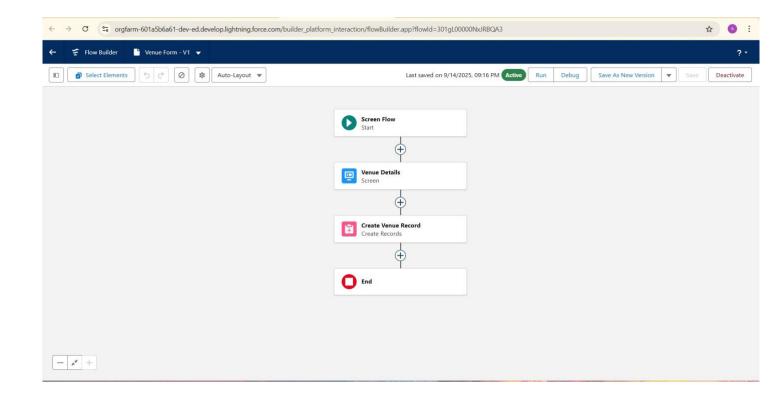
Profiles:- We created Profiles named NGOs Profile.



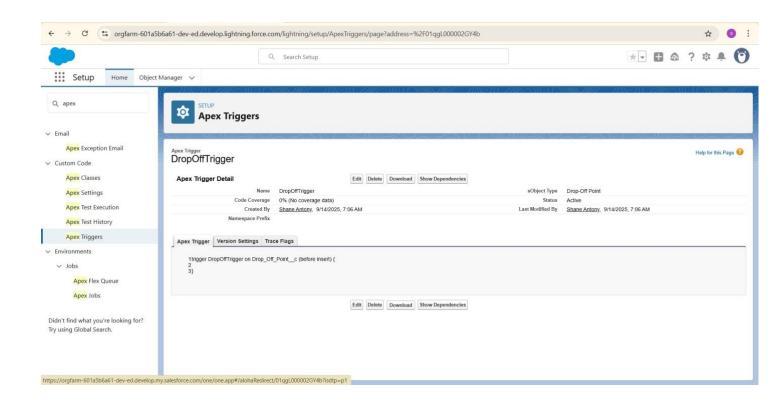
Roles:- We created an Roles of Inventory Management and Purchasing Management.



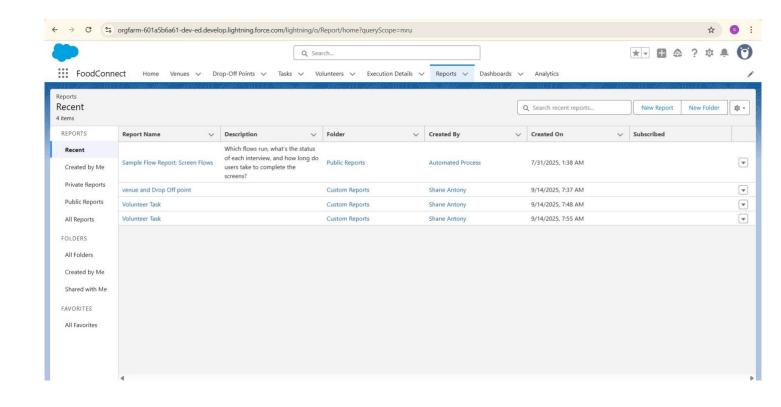
Flows:-We created flow named Venue Details.



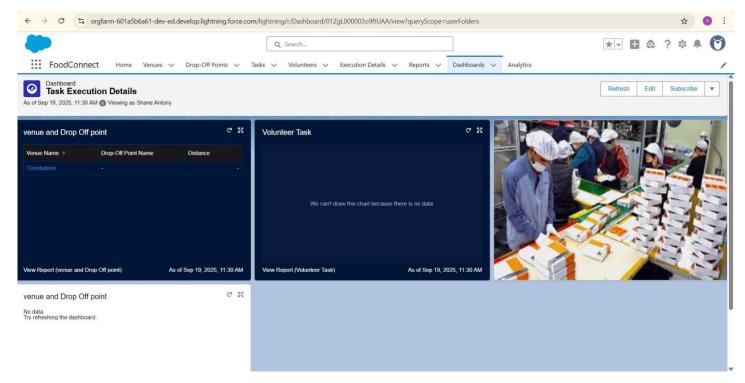
Apex Triggers:-This Trigger is to assign Distance field to the Distance Calculation field.



Reports:- Creating Reports named Venue and Drop Off Point and Volunteer Task.

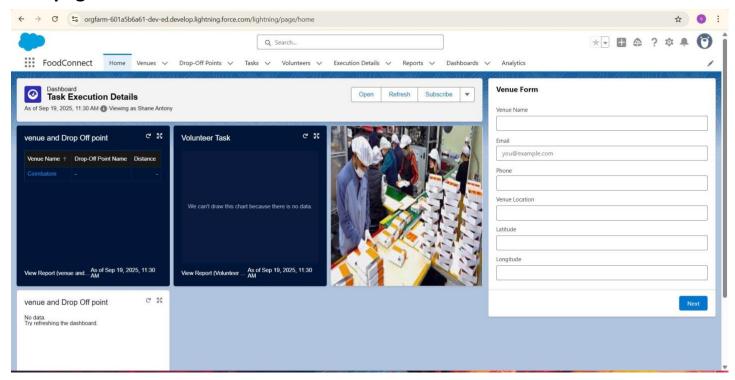


Dashboards:- We created the Dashboard for Food Connect.

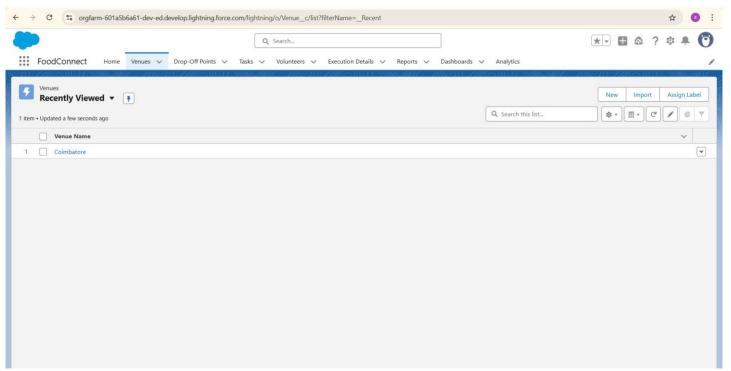


RESULTS:-

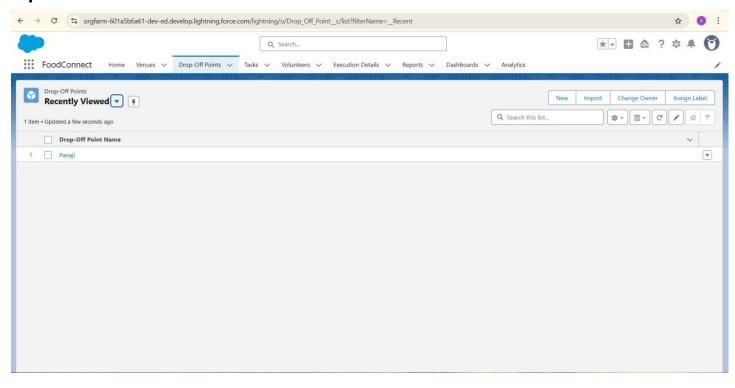
Home page



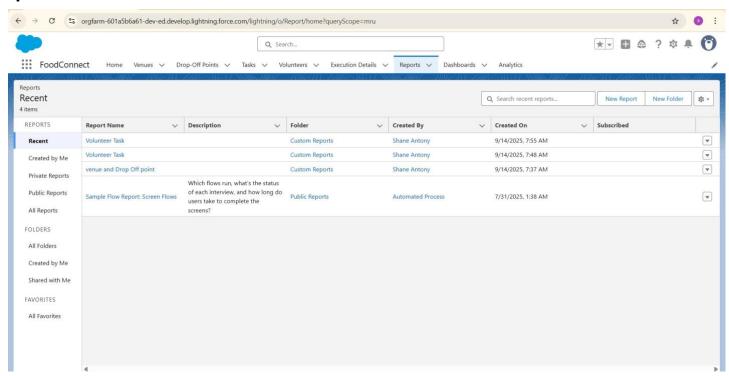
Venues Page



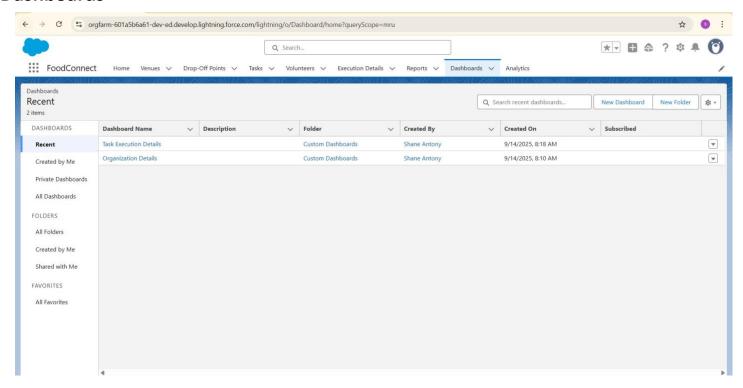
Drop-off Points



Reports



Dashboards



ADVANTAGES AND DISADVANTAGES OF MEDICAL INVENTORY MANAGEMENT:-

ADVANTAGES:-

- **1.** Centralized management of food donations.
- **2.** Real-time tracking prevents both wastage and unserved recipients.
- 3. Automated alerts and workflows increase efficiency.
- **4.** Reports provide actionable insights for further improvement.
- **5.** Cloud-based system accessible from anywhere.

DISADVANTAGES:-

1. Initial setup and digital literacy needed for users.

- **2.** Dependence on internet access for platform operations.
- **3.** Some customizations may need advanced technical skills.
- **4.** Coordination challenges in peak hours or large cities.
- **5.** Volunteer availability may affect the success rate.

CONCLUSION

The "Leftover Food Supply to the Poor" project demonstrates how digital platforms can extend beyond business use to serve critical community needs. With centralized data, automated workflows, and report dashboards, the application ensures timely, safe, and sustainable food recovery and distribution. Challenges exist, but the overall impact is positive and scalable. Overall, this project proves the effectiveness of Salesforce as a scalable platform for building a critical application to Supply Leftover Food to Poor