To Supply leftover Food to the Poor

College Name: LRG GOVERNMENT ARTS COLLEGE FOR WOMEN.

College Code: bru07

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1. INTRODUCTION:

1.1. Project Overview

This project aims to collect and redistribute surplus or leftover food from restaurants, events, households, and other sources to feed the poor and needy. Every day, a significant amount of edible food goes to waste, while many people go hungry. By creating a systematic approach to channel this excess food to those

in need, the project not only helps reduce food waste but also addresses hunger in vulnerable communities.

PURPOSE:

The main purpose of our project is to reduce food wastage and help people in need by collecting leftover food and distributing it to the poor and hungry. Every day, a large amount of food is wasted in hotels, restaurants, functions, and households, while many people struggle without proper meals.

DEVELOPMENT PHASE

Creating Developer Account:

By using this URL -https://www.salesforce.com/form/developer-signup/?d=pbh

Created object: Venue,Volunteer,Execution details,Task,Drop off point

orgfarm-12156cff61-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL0000026dtZ/view

Search Setup

Setup   Home   Object Manager   ∨

SETUP > OBJECT MANAGER
Drop-Off Point

Details	
Fields & Relationships	
Page Layouts	
Lightning Record Pages	
Buttons, Links, and Actions	
Compact Layouts	
Field Sets	
Object Limits	
Record Types	
Related Lookup Filters	
Search Layouts	
List View Button Layout	
Restriction Rules	
Scoping Rules	

Details   Edit   Delete

Description

API Name   Enable Reports
Drop_Off_Point__c   ✓
Custom   Track Activities
✓
Singular Label   Track Field History
Drop-Off Point   ✓
Plural Label   Deployment Status
Drop-Off Points   Deployed
                                                      Help Settings
                                                      Standard salesforce.com Help Window

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orgfarm-12156cff61-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL0000026e01/view

Search Setup

Setup   Home   Object Manager   ∨

SETUP > OBJECT MANAGER
Task

Details	
Fields & Relationships	
Page Layouts	
Lightning Record Pages	
Buttons, Links, and Actions	
Compact Layouts	
Field Sets	
Object Limits	
Record Types	
Related Lookup Filters	
Search Layouts	
List View Button Layout	
Restriction Rules	
Scoping Rules	

Details   Edit   Delete

Description

API Name   Enable Reports
Task__c   ✓
Custom   Track Activities
✓   ✓
Singular Label   Track Field History
Task   ✓
Plural Label   Deployment Status
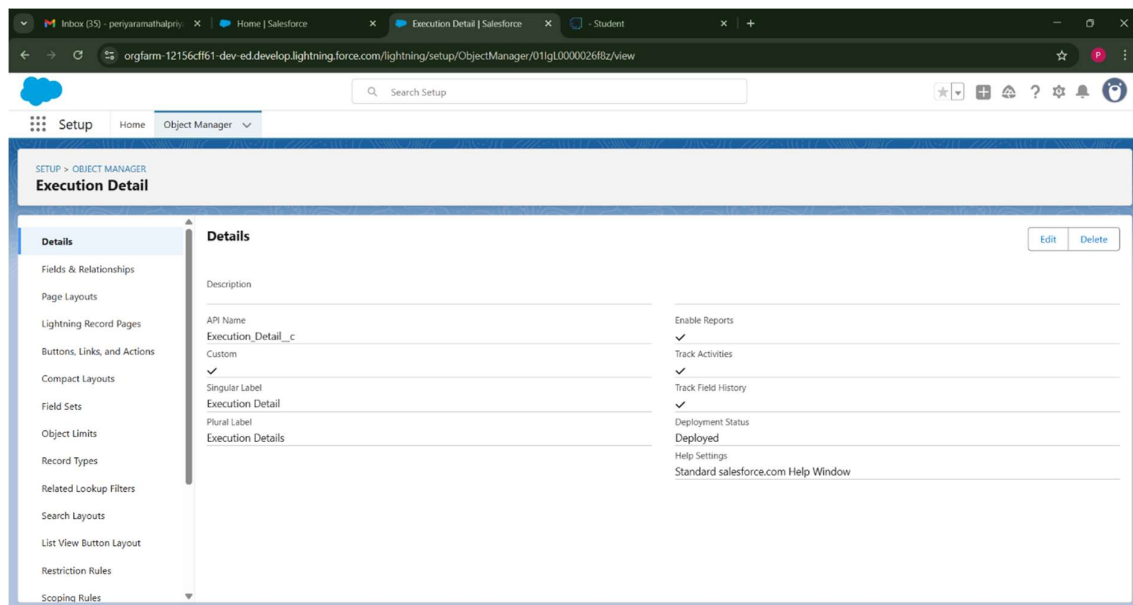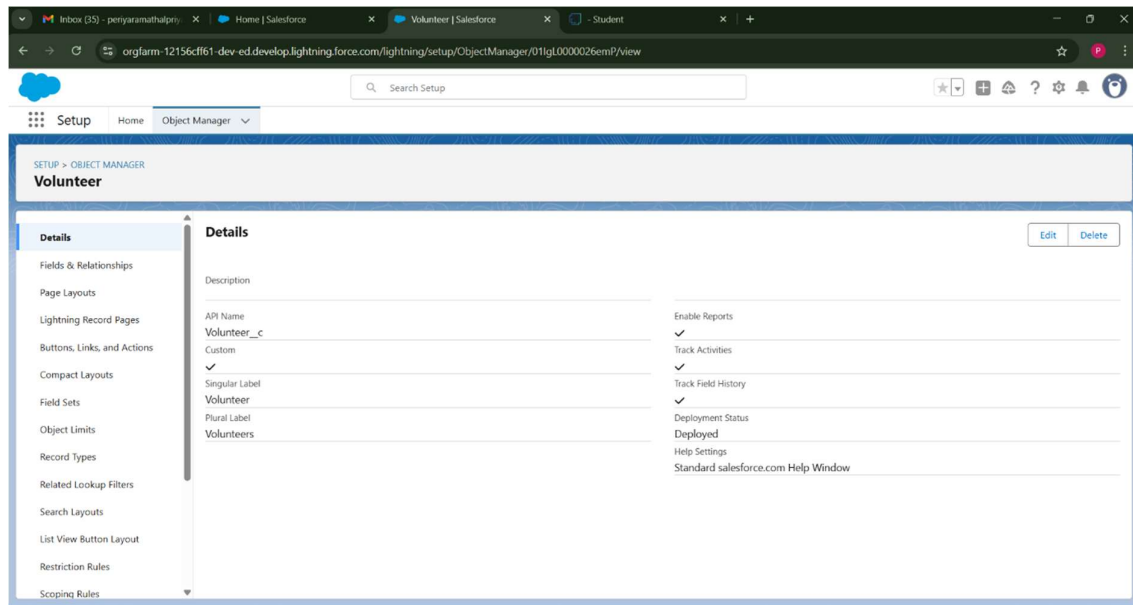Tasks   Deployed
                                                      Help Settings
                                                      Standard salesforce.com Help Window

Configured fields and relationships

Fields & Relationships
8 Items, Sorted by Field Label

Quick Find | New | Deleted Fields | Field Dependencies | Set History Tracking

FIELD LABEL ▲	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED	
Contact Email	Contact_Email__c	Email			▼
Contact Phone	Contact_Phone__c	Phone			▼
Created By	CreatedById	Lookup(User)			
Last Modified By	LastModifiedById	Lookup(User)			
Location	Location__c	Geolocation			▼
Owner	OwnerId	Lookup(User,Group)		✓	
Venue Location	Venue_Location__c	Long Text Area(32768)			▼
Venue Name	Name	Text(80)		✓	▼

Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
List View Button Layout
Restriction Rules
Scoping Rules
Object Access
Triggers

Fields & Relationships
14 Items, Sorted by Field Label

Quick Find | New | Deleted Fields | Field Dependencies | Set History Tracking

FIELD LABEL ▲	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED	
Address	Address__c	Long Text Area(32768)			▼
Age	Age__c	Number(14, 4)			▼
Available On	Available_On__c	Date			▼
Contact Number	Contact_Number__c	Number(14, 4)			▼
Created By	CreatedById	Lookup(User)			
Date of Birth	Date_of_Birth__c	Date			▼
Drop-Off Point	Drop_Off_Point__c	Master-Detail(Drop-Off Point)		✓	▼
Email	Email__c	Email			▼
Execution ID	Execution_ID__c	Auto Number			▼
Gender	Gender__c	Picklist			▼
Last Modified By	LastModifiedById	Lookup(User)			
Task	Task__c	Lookup(Task)		✓	▼
Volunteer ID	Volunteer_ID__c	Auto Number			▼
Volunteer Name	Name	Text(80)		✓	▼

Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
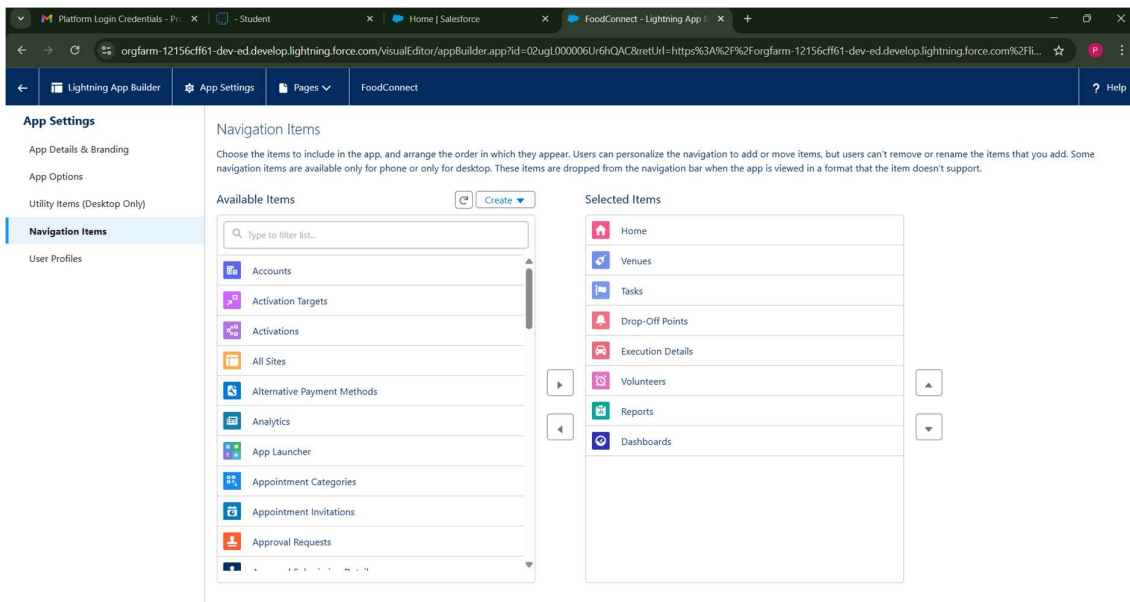Compact Layouts
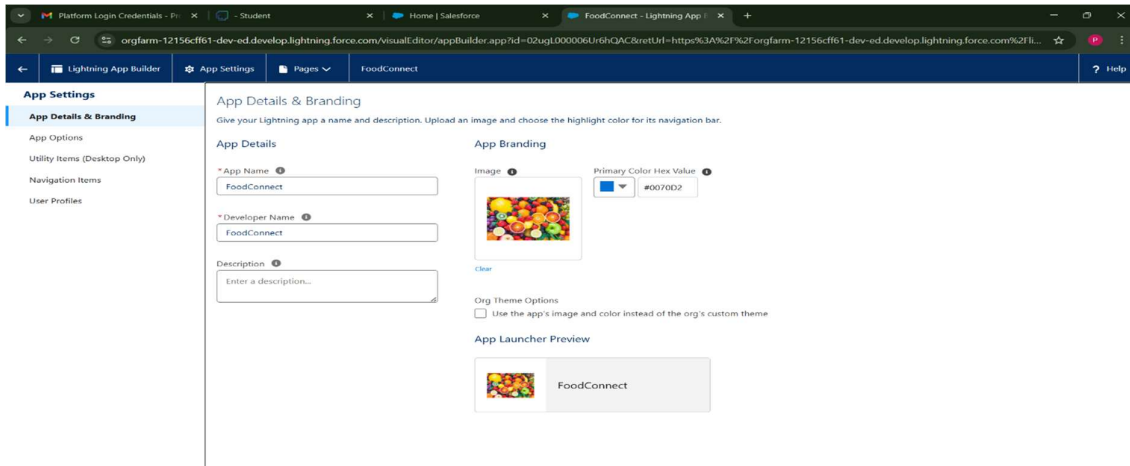Field Sets
Object Limits
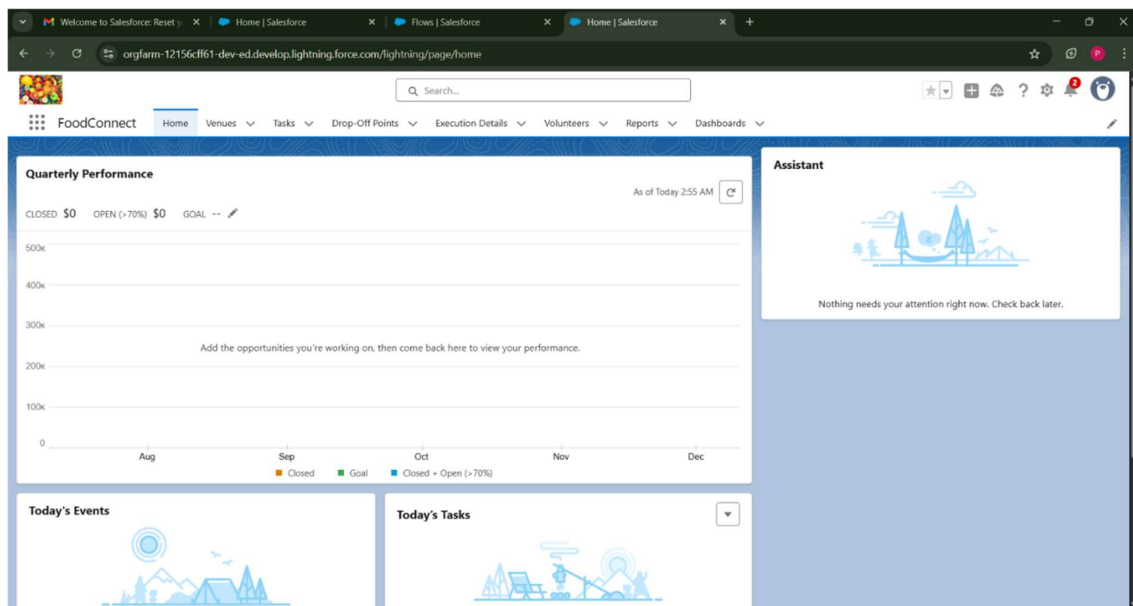Record Types
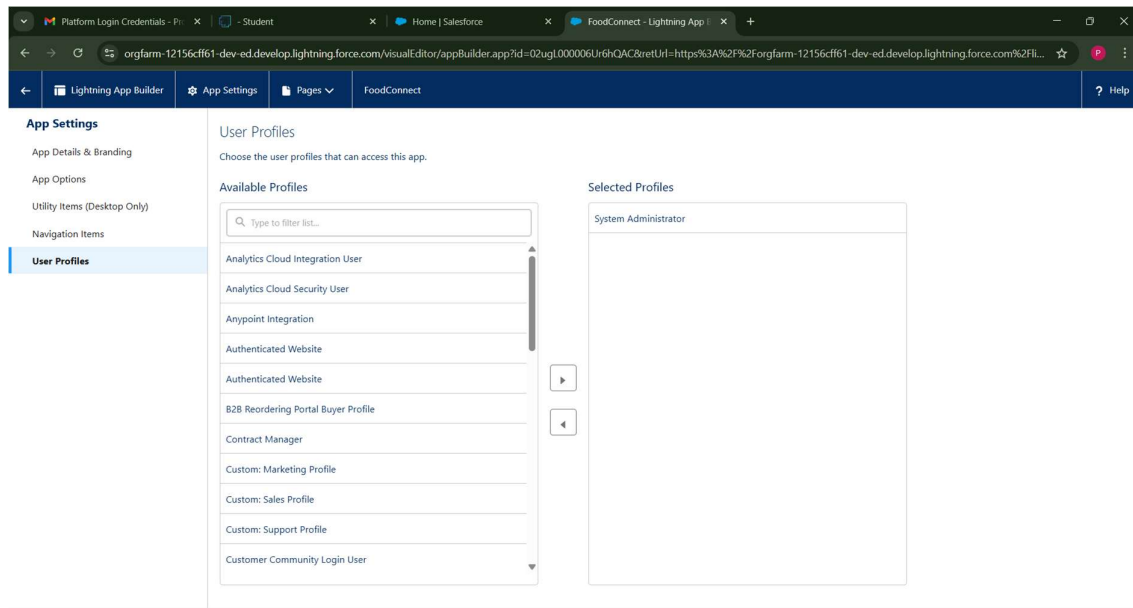Related Lookup Filters
Search Layouts
List View Button Layout
Restriction Rules
Scoping Rules
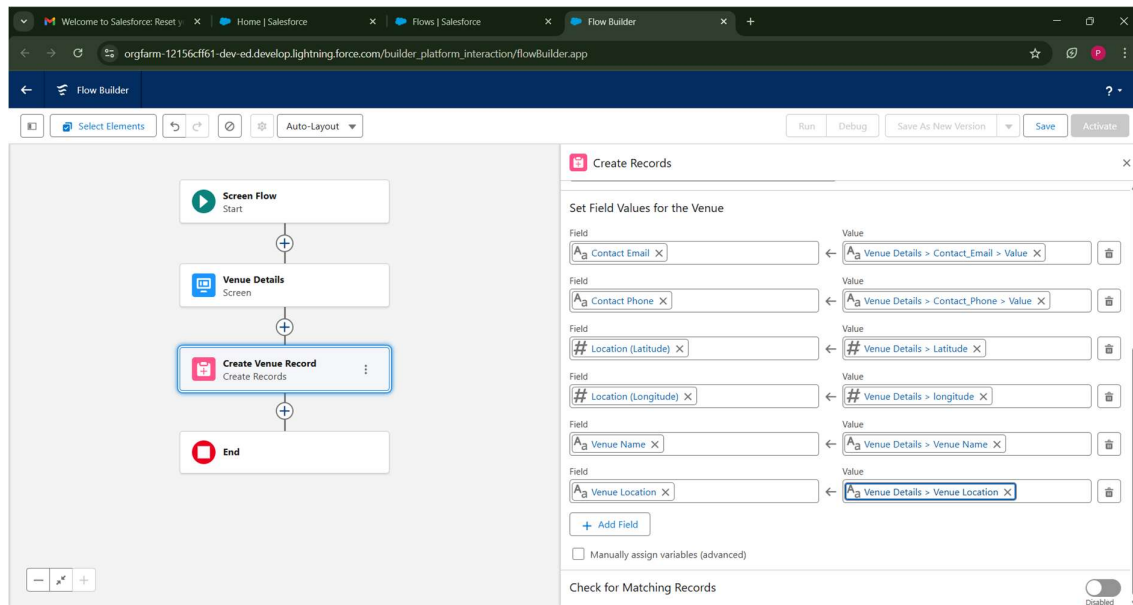Object Access
Triggers
Flow Triggers
Validation Rules
Conditional Field Formatting

SETUP > OBJECT MANAGER
Execution Detail

Fields & Relationships
6 Items, Sorted by Field Label

Q Quick Find   New   Deleted Fields   Field Dependencies   Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED	
Created By	CreatedById	Lookup(User)			
Execution Detail Name	Name	Text(80)		✓	▼
Last Modified By	LastModifiedById	Lookup(User)			
Owner	OwnerId	Lookup(User,Group)		✓	
Task	Task__c	Lookup(Task)		✓	▼
Volunteer	Volunteer__c	Lookup(Volunteer)		✓	▼

Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
List View Button Layout
Restriction Rules
Scoping Rules

SETUP > OBJECT MANAGER
Drop-Off Point

Fields & Relationships
9 Items, Sorted by Field Label

Q Quick Find   New   Deleted Fields   Field Dependencies   Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED	
Created By	CreatedById	Lookup(User)			
Distance	Distance__c	Number(14, 4)			▼
distance calculation	distance_calculation__c	Formula (Number)			▼
Drop-Off Point Name	Name	Text(80)		✓	▼
Last Modified By	LastModifiedById	Lookup(User)			
Location 2	Location_2__c	Geolocation			▼
Owner	OwnerId	Lookup(User,Group)		✓	
State	State__c	Picklist			▼
Venue	Venue__c	Lookup(Venue)		✓	▼

Details
Fields & Relationships
Page Layouts
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Buttons, Links, and Actions
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Search Layouts
List View Button Layout
Restriction Rules
Scoping Rules

Developed Lightning App with relevant tabs

Lightning App Builder | App Settings | Pages | FoodConnect | Help

App Settings

App Details & Branding
App Options
Utility Items (Desktop Only)
Navigation Items
User Profiles

App Details & Branding

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.

App Details

* App Name
FoodConnect

* Developer Name
FoodConnect

Description
Enter a description...

App Branding

Image
Clear

Primary Color Hex Value
#0070D2

Org Theme Options
☐ Use the app's image and color instead of the org's custom theme

App Launcher Preview

FoodConnect

Lightning App Builder | App Settings | Pages | FoodConnect | Help

App Settings

App Details & Branding
App Options
Utility Items (Desktop Only)
Navigation Items
User Profiles

Navigation Items

Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support.

Available Items   Create

Type to filter list...

- Accounts
- Activation Targets
- Activations
- All Sites
- Alternative Payment Methods
- Analytics
- App Launcher
- Appointment Categories
- Appointment Invitations
- Approval Requests

Selected Items

- Home
- Venues
- Tasks
- Drop-Off Points
- Execution Details
- Volunteers
- Reports
- Dashboards

Implemented Flows to automate collection and distribution of leftover food to the poor
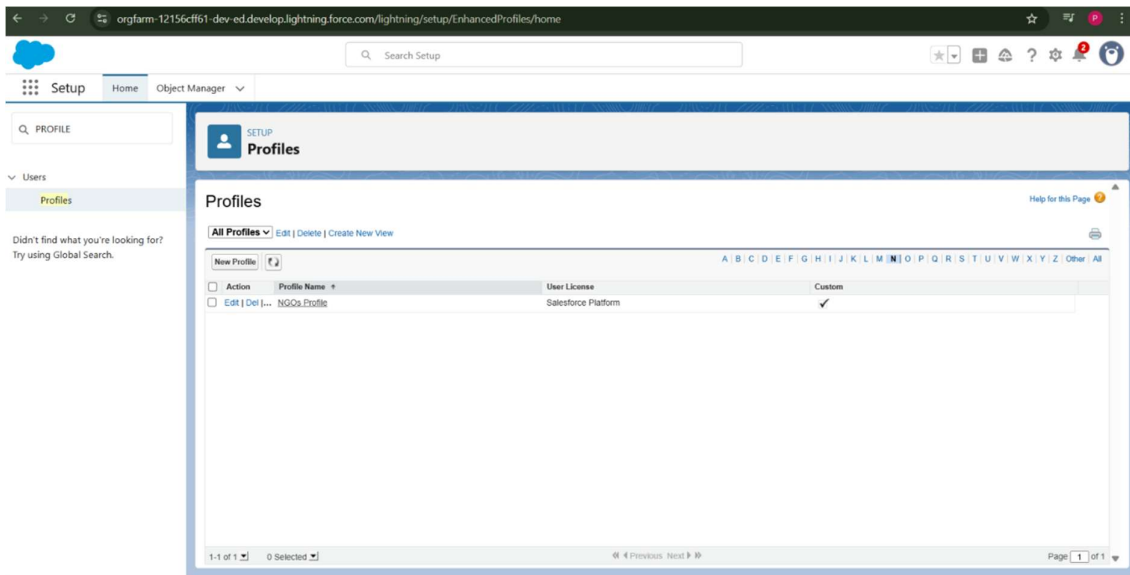
Created Trigger to update and track food donation records whenever new donations are added or distributed

Profiles

Creation of user

Creation of Public Group
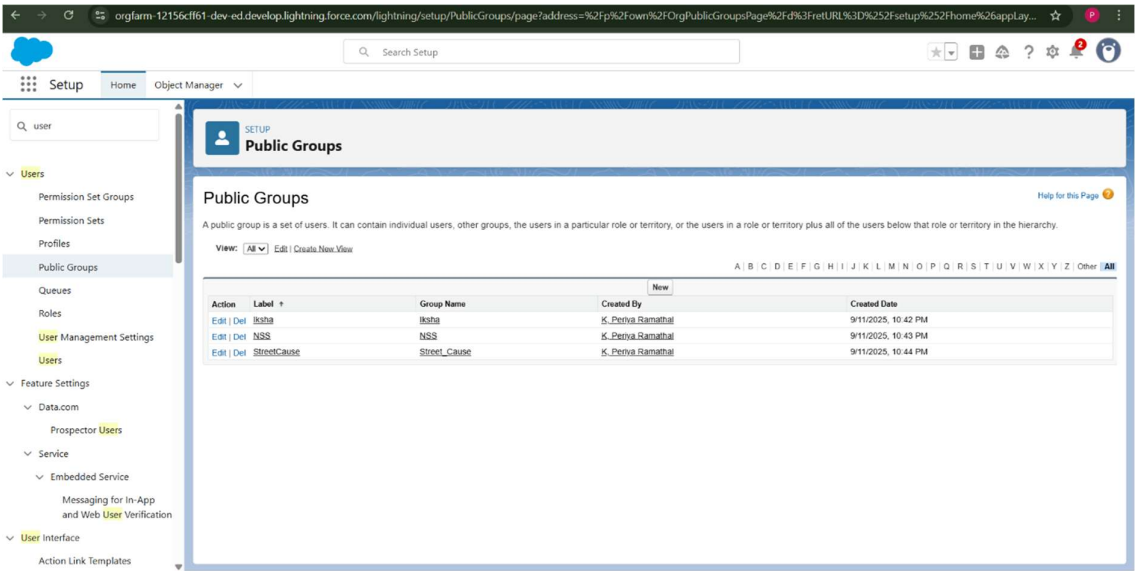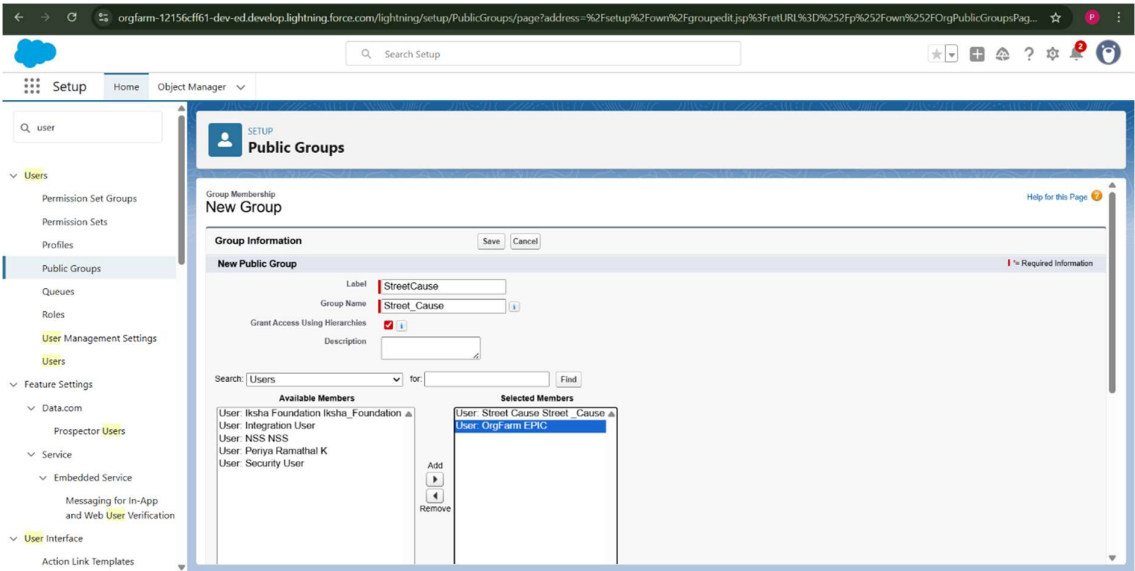
Creation of Report Types

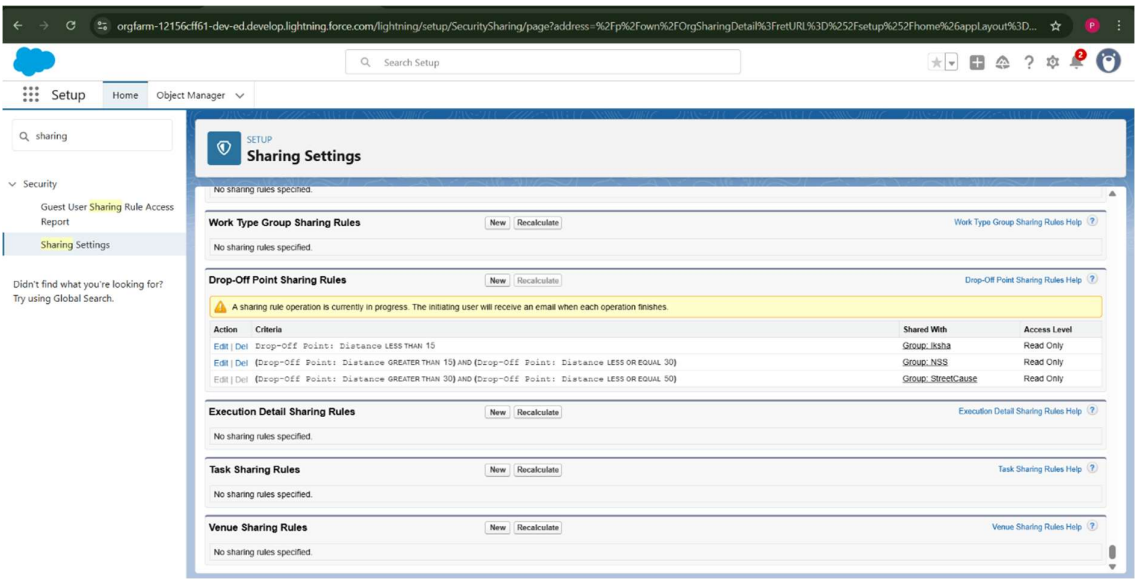# Creation of Report on Venue with DropOff with Volunteer
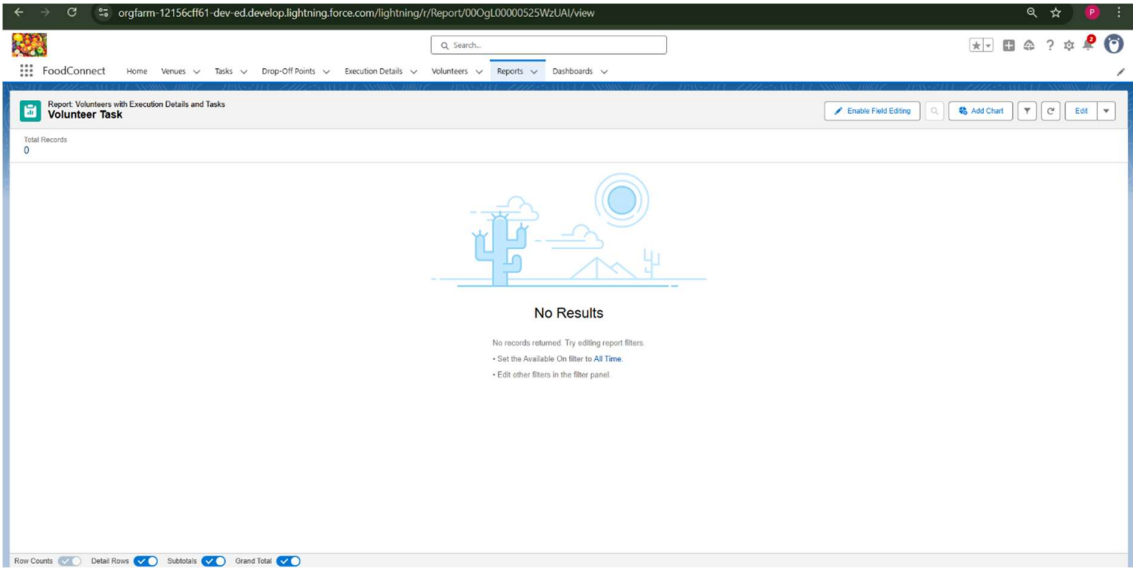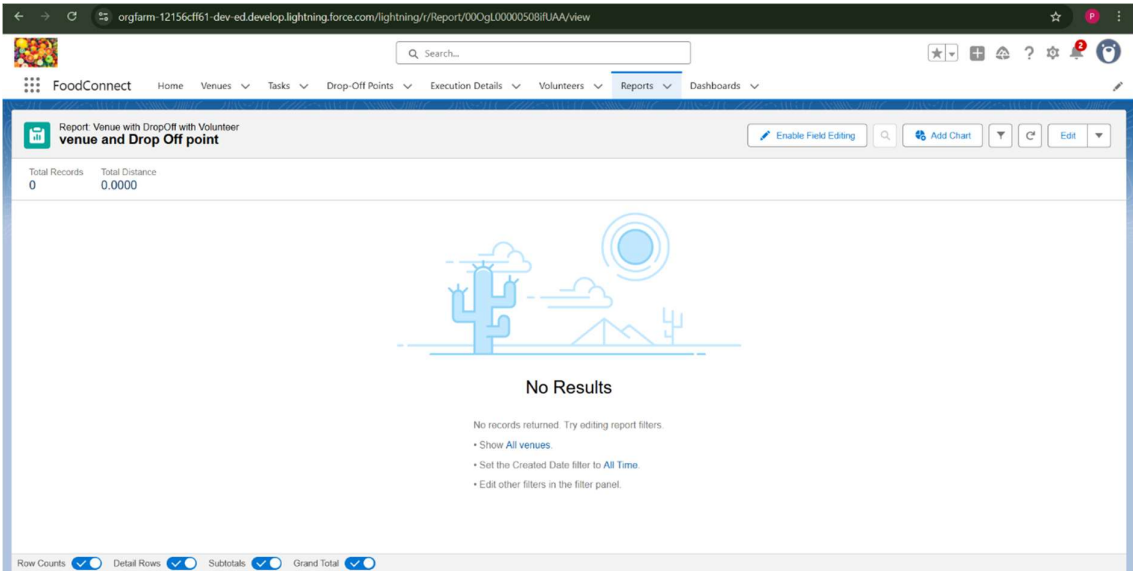
Dashboards
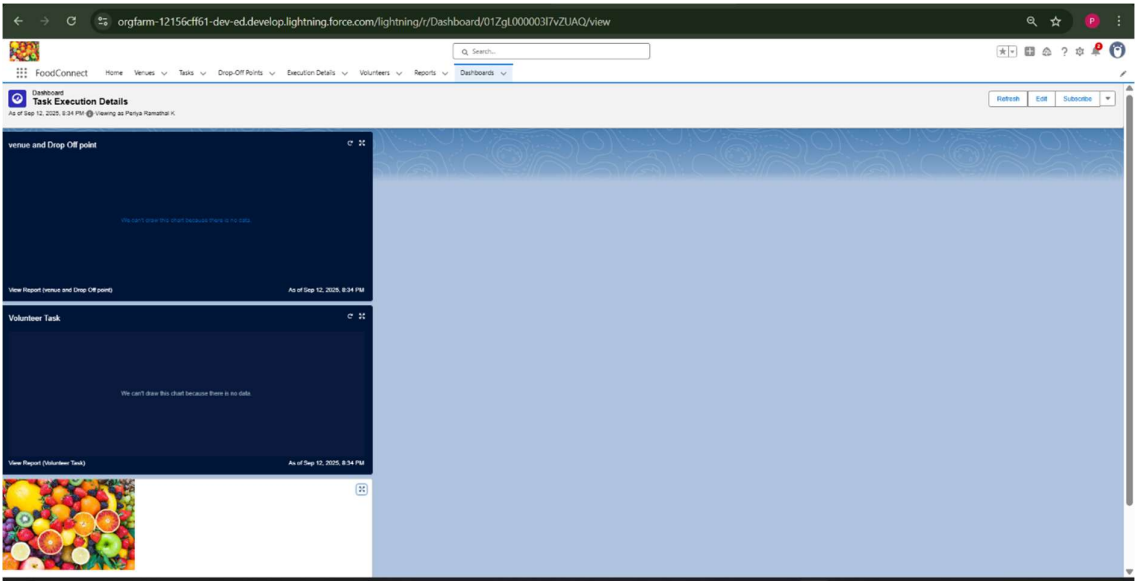
Creation of sharing rules

Drop-Off Point Sharing Rules

New Recalculate

Drop-Off Point Sharing Rules Help ?

Action	Criteria	Shared With	Access Level
Edit | Del	Drop-Off Point: Distance LESS THAN 15	Group: Iksha	Read Only
Edit | Del	(Drop-Off Point: Distance GREATER THAN 15) AND (Drop-Off Point: Distance LESS OR EQUAL 30)	Group: NSS	Read Only
Edit | Del	(Drop-Off Point: Distance GREATER THAN 30) AND (Drop-Off Point: Distance LESS OR EQUAL 50)	Group: StreetCause	Read Only
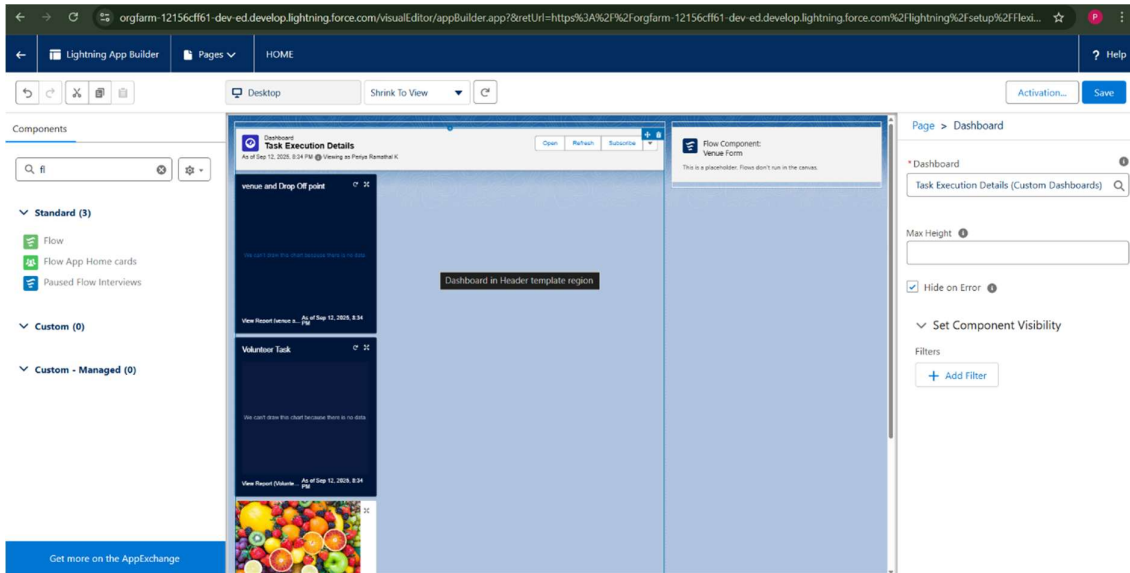
FOODCONNECT APP SCREENSHOOT:
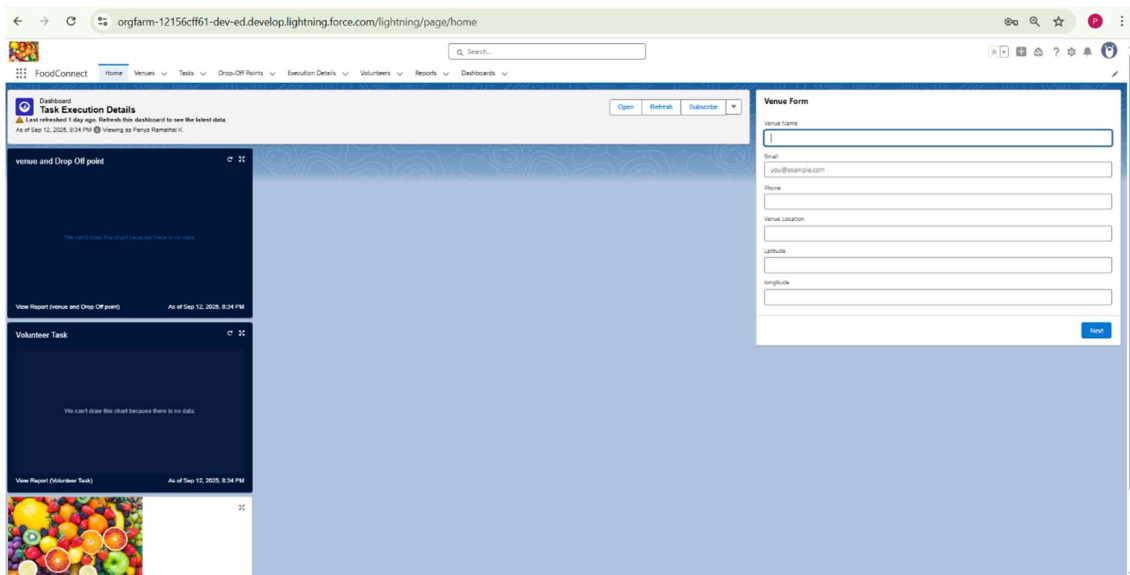
CONCLUSION:

Our Salesforce project, "Supply Leftover Food to the Poor", provides a smart and efficient platform to reduce food wastage and help underprivileged people. By using Salesforce features like Flows, Triggers, and Automation, the process of collecting, managing, and distributing leftover food becomes more organized and reliable. This initiative not only supports social welfare by feeding the hungry but also promotes sustainable practices by minimizing food waste. Ultimately, the project demonstrates how technology can be used for a noble cause and create a positive impact on society.

APPENDIX:

Source code: Trigger code

```
trigger DropOffTrigger on Drop_Off_point__c (before insert) {

for(Drop_Off_point__c Drop : Trigger.new){

Drop.Distance__c = Drop.distance_calculation__c;

}

}
```