

To Supply leftover Food to the Poor

College Name: LRG GOVERNMENT ARTS COLLEGE FOR WOMEN.

College Code: bru07

TEAM ID: NM2025TMID28015

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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>

The screenshot shows the Salesforce Developer Edition sign-up page. On the left, there's a blue banner with the Salesforce logo and text: "Build enterprise-quality apps fast and get hands-on with Agentforce and Data Cloud." Below this, it says "Sign up for your Developer Edition." and lists several benefits with checkmarks: "Build apps fast with drag-and-drop tools", "Go further with Apex code", "Build AI agents with Agentforce", "Harmonize your data with Data Cloud", "Ground Agentforce with structured and unstructured data", and "Integrate with anything using APIs". There are also illustrations of Agentforce characters. On the right, there's a white sign-up form titled "Sign up for your Developer Edition". It includes fields for First name (Periya Ramathal), Last name (K), Job title (student), Work email (periaramathalpriya@), Company (LRG GOVERNMENT), and Country/Region (India). Below the form, there's a checkbox for agreeing to the Main Services Agreement and a CAPTCHA "I'm not a robot".

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

The screenshot shows the Salesforce Setup page for the "Venue" object. The page is titled "SETUP > OBJECT MANAGER" and "Venue". On the left, there's a sidebar with a "Details" section and a list of options: "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", and "Scoping Rules". The main content area is titled "Details" and shows the following information: Description (empty), API Name (Venue__c), Custom (checked), Singular Label (Venue), Plural Label (Venues), Enable Reports (checked), Track Activities (checked), Track Field History (checked), Deployment Status (Deployed), Help Settings (Standard salesforce.com Help Window), and Edit and Delete buttons.

Browser tabs: Inbox (35) - periyaramathalpry, Home | Salesforce, Drop-Off Point | Salesforce, Student

Address bar: org1arm-12156cf61-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01gl0000026dtZ/view

Search Setup

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

Description

API Name: Drop_Off_Point_c

Custom: ✓

Singular Label: Drop-Off Point

Plural Label: Drop-Off Points

Enable Reports: ✓

Track Activities: ✓

Track Field History: ✓

Deployment Status: Deployed

Help Settings: Standard salesforce.com Help Window

Edit Delete

Browser tabs: Inbox (35) - periyaramathalpry, Home | Salesforce, Task | Salesforce, Student

Address bar: org1arm-12156cf61-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01gl0000026e01/view

Search Setup

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

Description

API Name: Task_c

Custom: ✓

Singular Label: Task

Plural Label: Tasks

Enable Reports: ✓

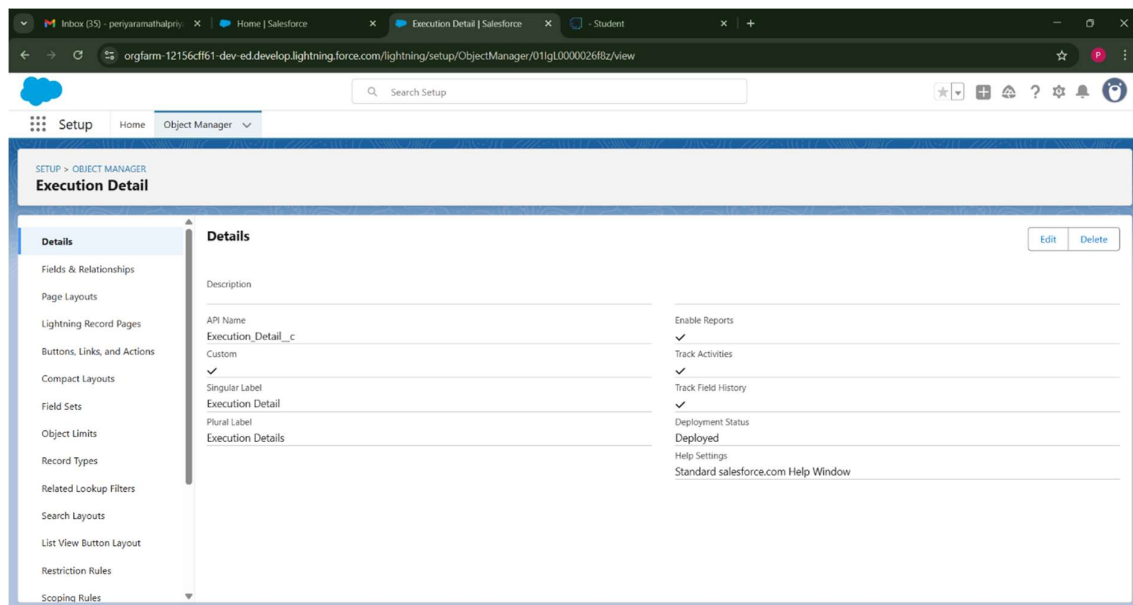
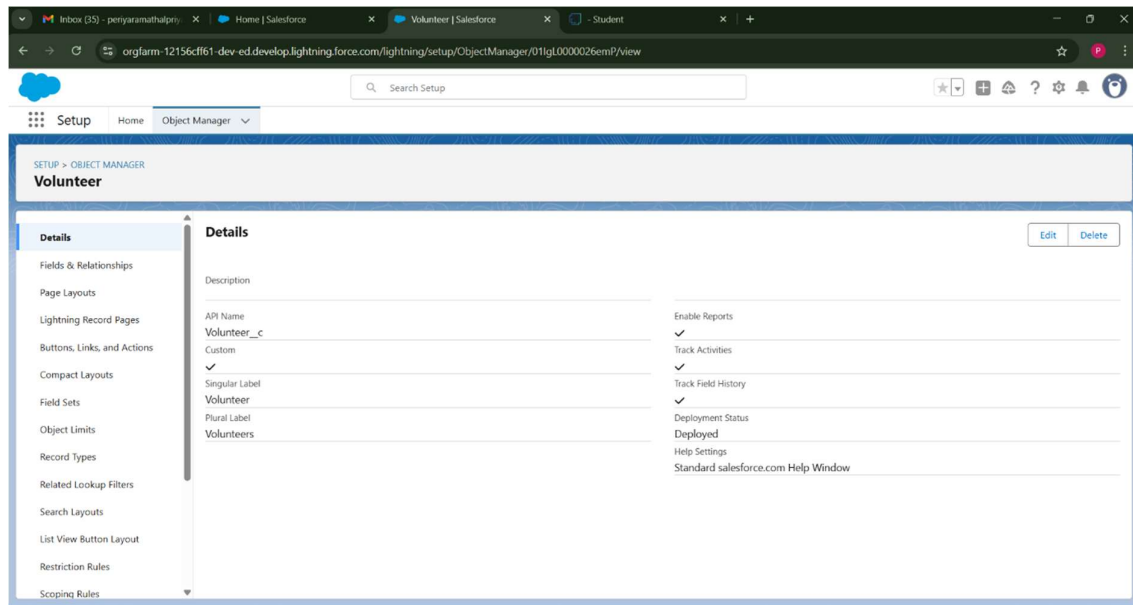
Track Activities: ✓

Track Field History: ✓

Deployment Status: Deployed

Help Settings: Standard salesforce.com Help Window

Edit Delete



Configured fields and relationships

Setup

Home

Object Manager

Search Setup

SETUP > OBJECT MANAGER

Venue

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

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)		✓

Setup

Home

Object Manager

Search Setup

SETUP > OBJECT MANAGER

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

Object Access

Triggers

Flow Triggers

Validation Rules

Conditional Field Formatting

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)		✓

Setup Home Object Manager

Search Setup

Setup > OBJECT MANAGER

Execution Detail

Details

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)		✓

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 Home Object Manager

Search Setup

Setup > OBJECT MANAGER

Drop-Off Point

Details

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)		✓

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

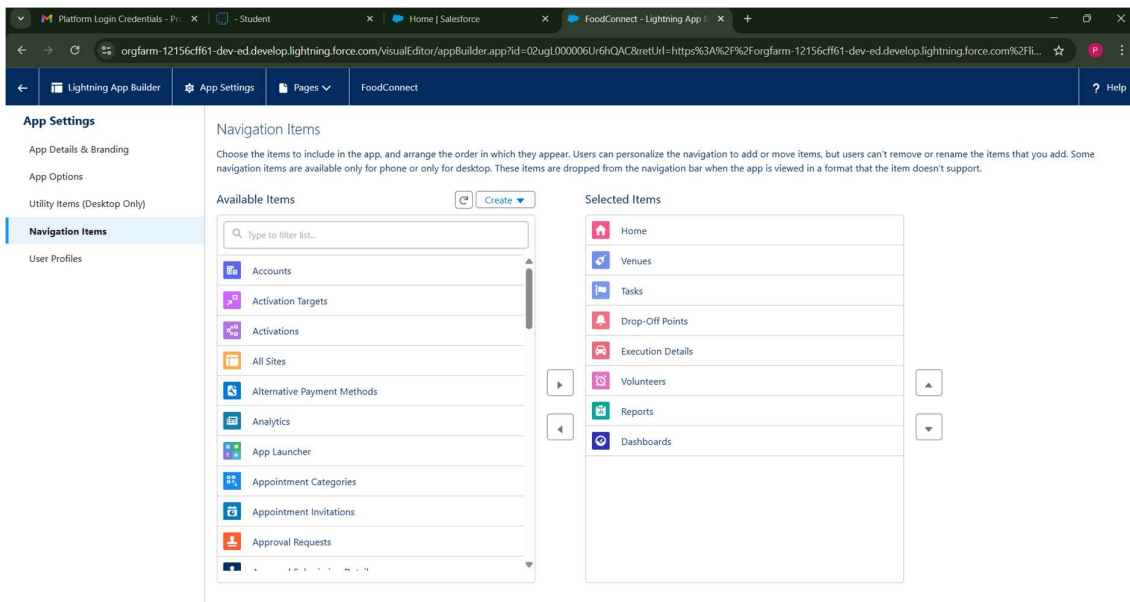
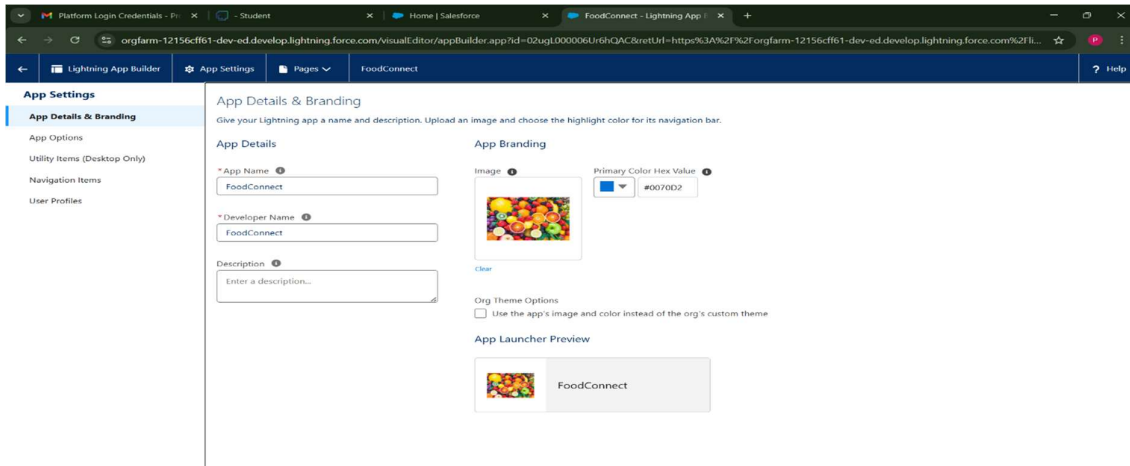
Search Layouts

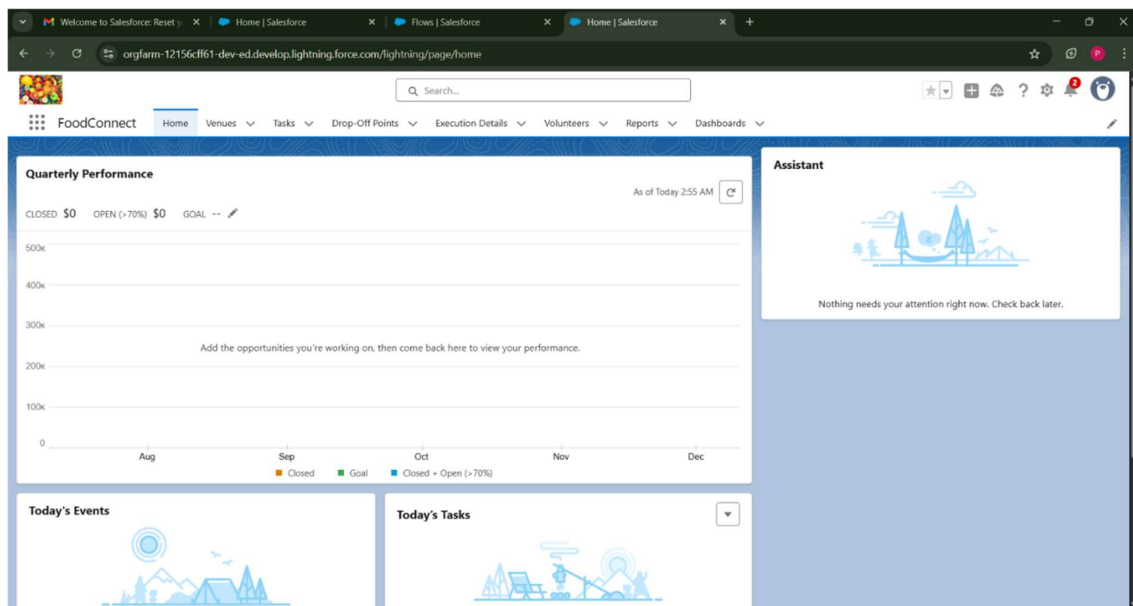
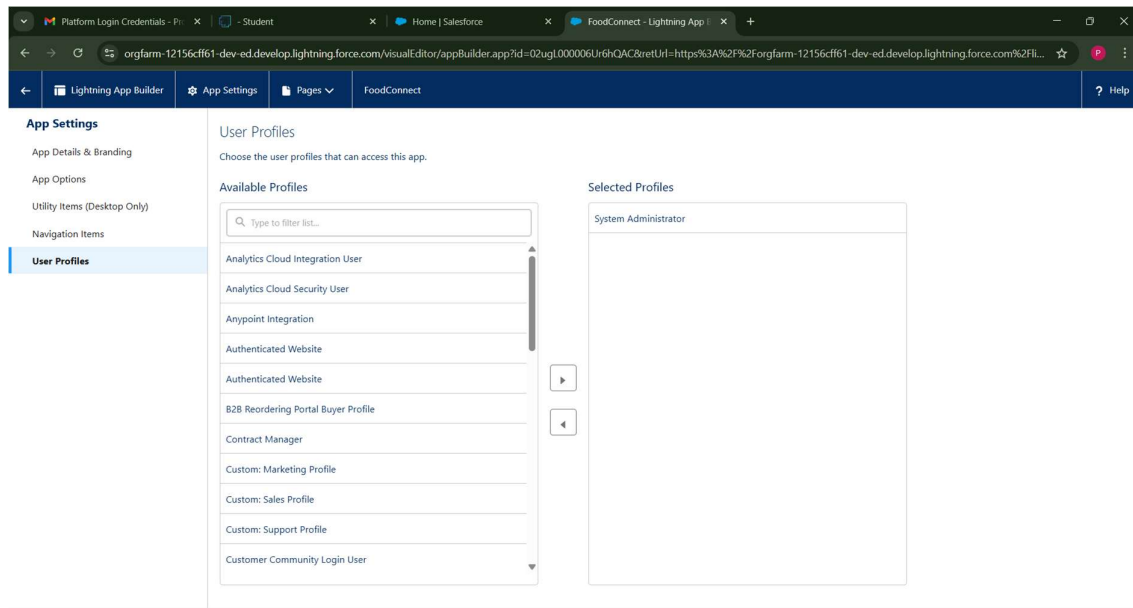
List View Button Layout

Restriction Rules

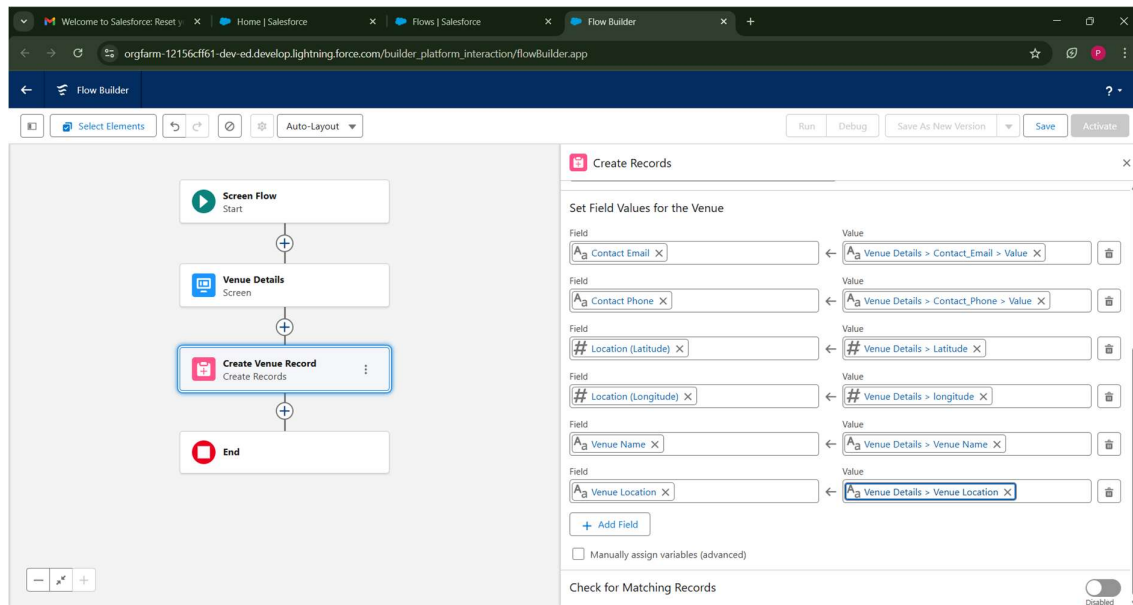
Scoping Rules

Developed Lightning App with relevant tabs

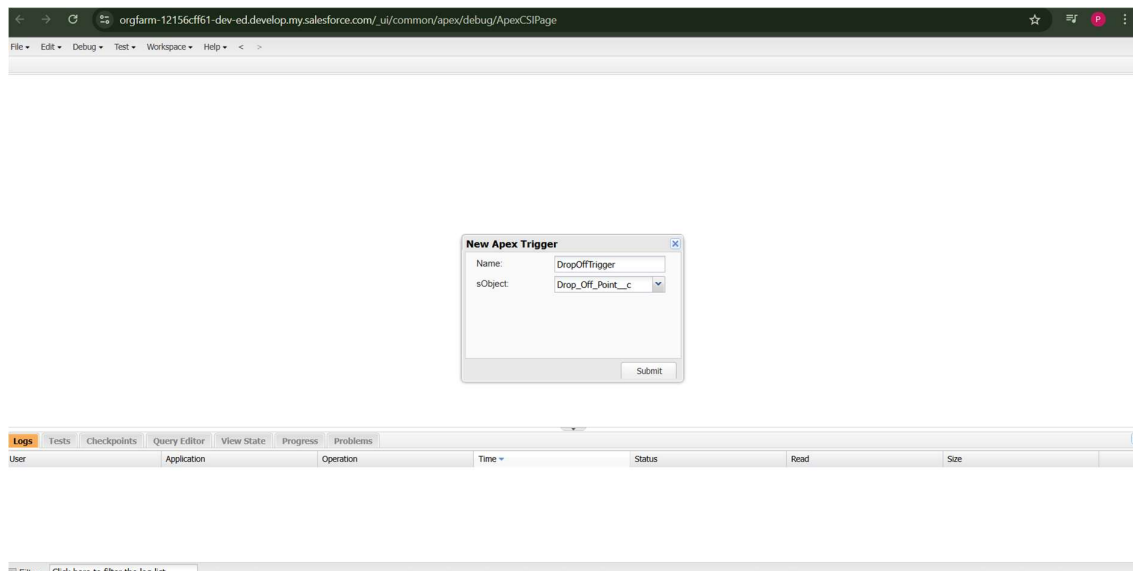


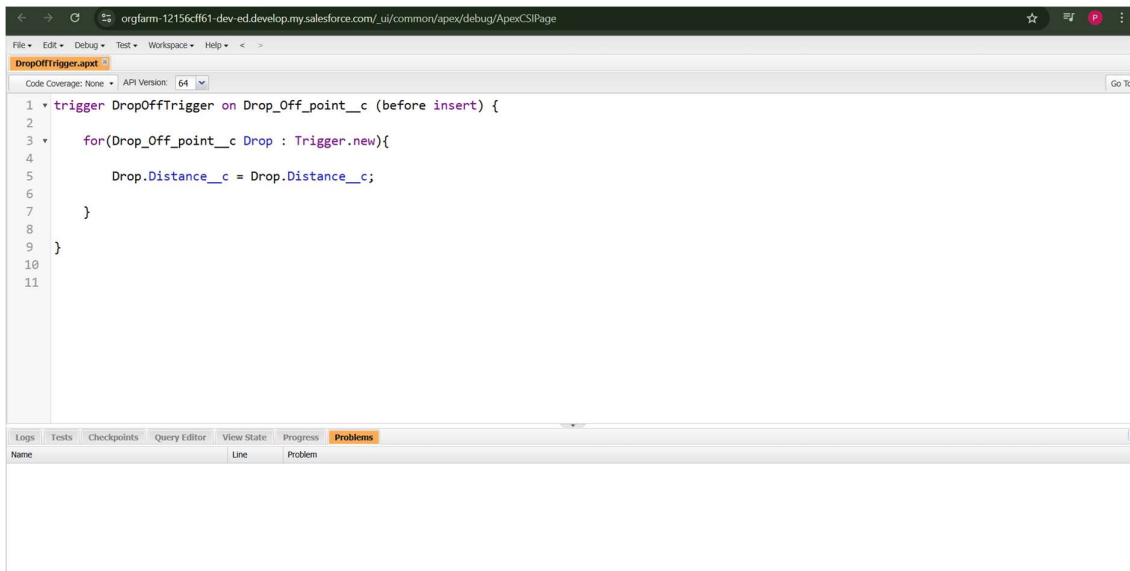


Implemented Flows to automate collection and distribution of leftover food to the poor



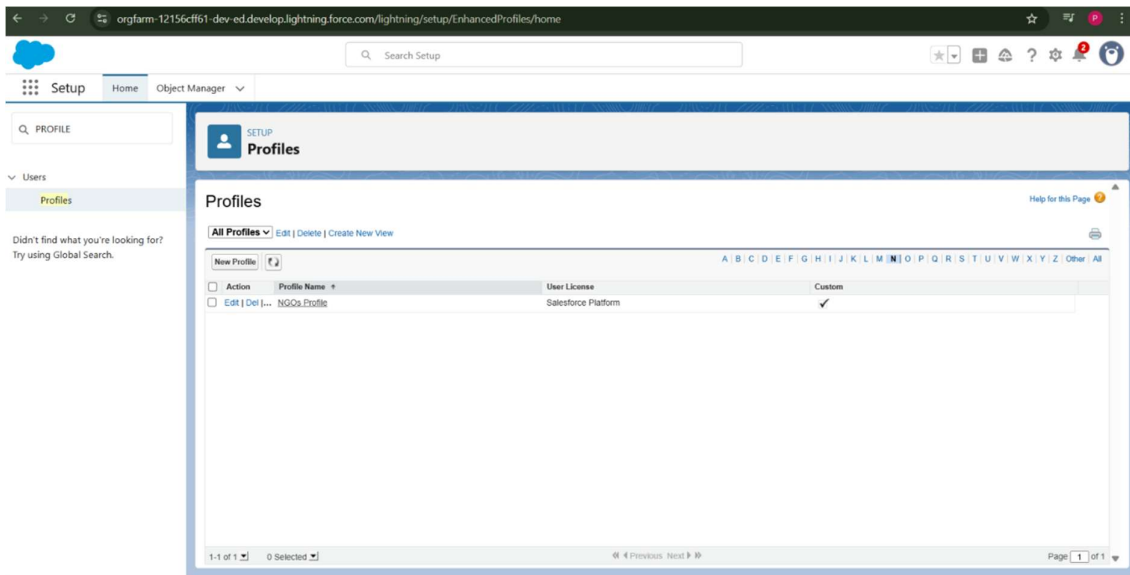
Created Trigger to update and track food donation records whenever new donations are added or distributed





```
1 trigger DropOffTrigger on Drop_Off_point__c (before insert) {
2
3     for(Drop_Off_point__c Drop : Trigger.new){
4
5         Drop.Distance__c = Drop.Distance__c;
6
7     }
8
9 }
10
11
```

Profiles



Profiles

Action	Profile Name	User License	Custom
<input type="checkbox"/> Edit <input type="checkbox"/> Del <input type="checkbox"/> New	NGOs_Profile	Salesforce Platform	<input checked="" type="checkbox"/>

orgfarm-12156df61-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/page?address=%2F00egl000004bG5%3Fsetupid%3DEnhancedProfiles

Setup Home Object Manager

PROFILE

Users

Profiles

Didn't find what you're looking for? Try using Global Search.

Profiles

Profile Detail

Name: NGOs Profile

User License: Salesforce Platform

Description: Custom Profile

Created By: Priya Ramathal K. 9/11/2025, 10:13 PM

Modified By: Priya Ramathal K. 9/11/2025, 10:13 PM

Page Layouts

Standard Object Layouts	Global	Lead
Global Layout	Global Layout	Lead Layout
Email Application	Not Assigned	Location Layout
Home Page Layout	Home Page Default	Location Group Layout
Account	Account Layout	Location Group Assignment Layout
Alternative Payment Method	Alternative Payment Method Layout	Object Milestone Layout
Appointment Invitation	Appointment Invitation Layout	Operating Hours Layout
Asset	Asset Layout	Order Layout
Asset Relationship	Asset Relationship Layout	Order Product Layout
Assigned Resource	Assigned Resource Layout	Payment Layout
Associated Location	Associated Location Layout	Payment Authorization Layout

Creation of user

orgfarm-12156df61-dev-ed.develop.lightning.force.com/lightning/setup/ManageUsers/page?address=%2F005%3FappLayout%3DSetup%26%3D6%26In_app_id%3D006mgL000006U6hQAC%26setup...

Setup Home Object Manager

USERS

Users

Permission Set Groups

Permission Sets

Profiles

Public Groups

Queues

Roles

User Management Settings

Users

Feature Settings

Data.com

Prospector Users

Didn't find what you're looking for? Try using Global Search.

Users

Active Users

On this page you can create, view, and manage users.

To get more licenses, use the Your Account app. Let's Go

View: Active Users Edit Create New User

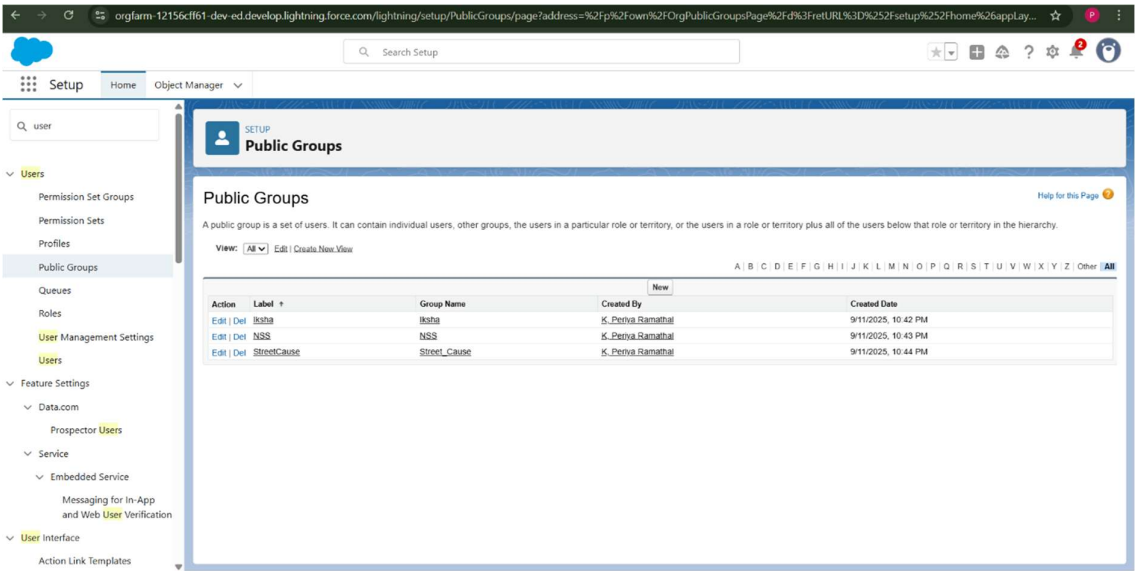
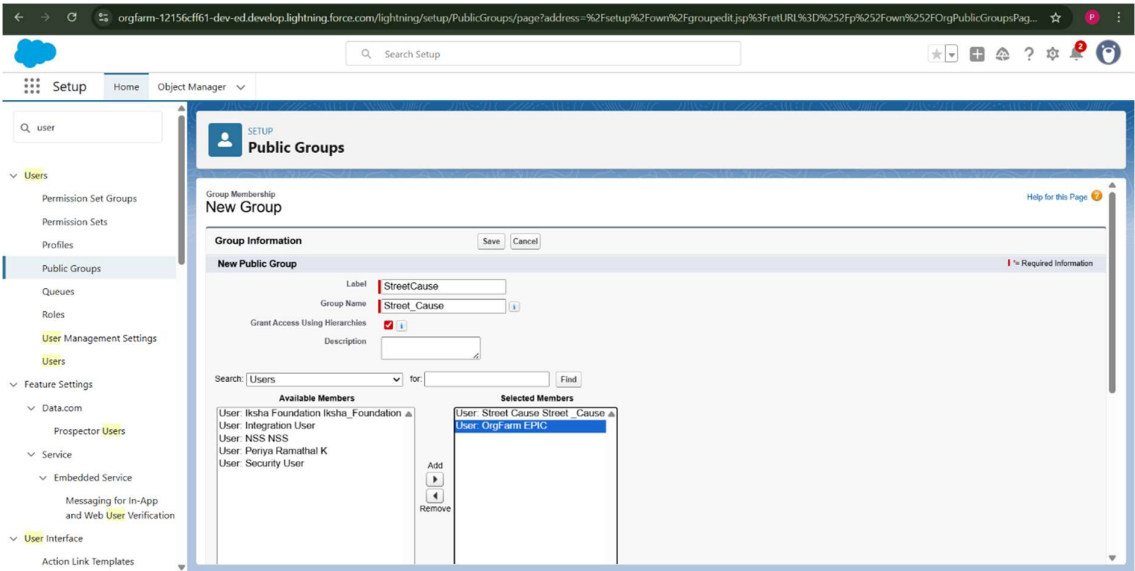
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	Itsha_Foundation, Itsha Foundation	itsh	postvaramathal@gmail.com		✓	NGOs Profile
<input type="checkbox"/> Edit	NSS, NSS	nss	sakthiaman@gmail.com		✓	NGOs Profile
<input type="checkbox"/> Edit	Street_Cause, Street Cause	ssst	kumaricema984@gmail.com		✓	NGOs Profile

New User Reset Password(s) Add Multiple Users

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Creation of Public Group



Creation of Report Types

Setup

Home

Object Manager

report

Analytics

Reports & Dashboards

Access Policies

Historical Trending

Report Types

Reporting Snapshots

Reports and Dashboards Settings

Security

Guest User Sharing Rule Access

Report

Didn't find what you're looking for? Try using Global Search.

Custom Report Types

Venue with DropOff with Volunteer

Preview Layout

Edit Layout

Clone

Delete

Close

Details

Display Label

API Name

Description

Created By

Store in Category

Deployment Status

Modified By

Fields

Source Object

Included Fields

Object Relationships

Setup

Home

Object Manager

report

Analytics

Reports & Dashboards

Access Policies

Historical Trending

Report Types

Reporting Snapshots

Reports and Dashboards Settings

Security

Guest User Sharing Rule Access

Report

Didn't find what you're looking for? Try using Global Search.

Custom Report Types

Volunteers with Execution Details and Tasks

Preview Layout

Edit Layout

Clone

Delete

Close

Details

Display Label

API Name

Description

Created By

Store in Category

Deployment Status

Modified By

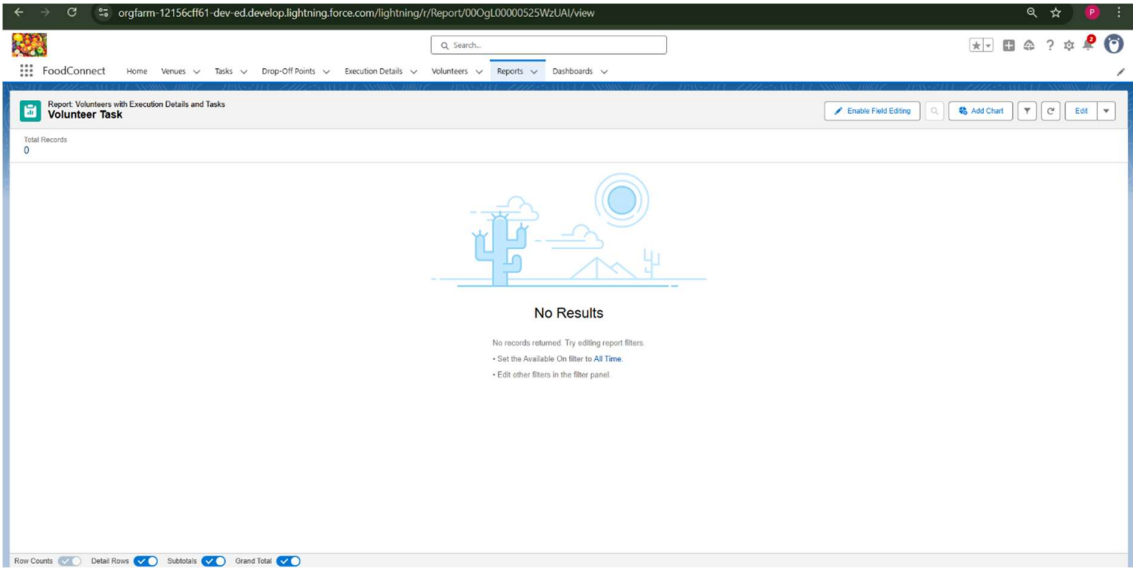
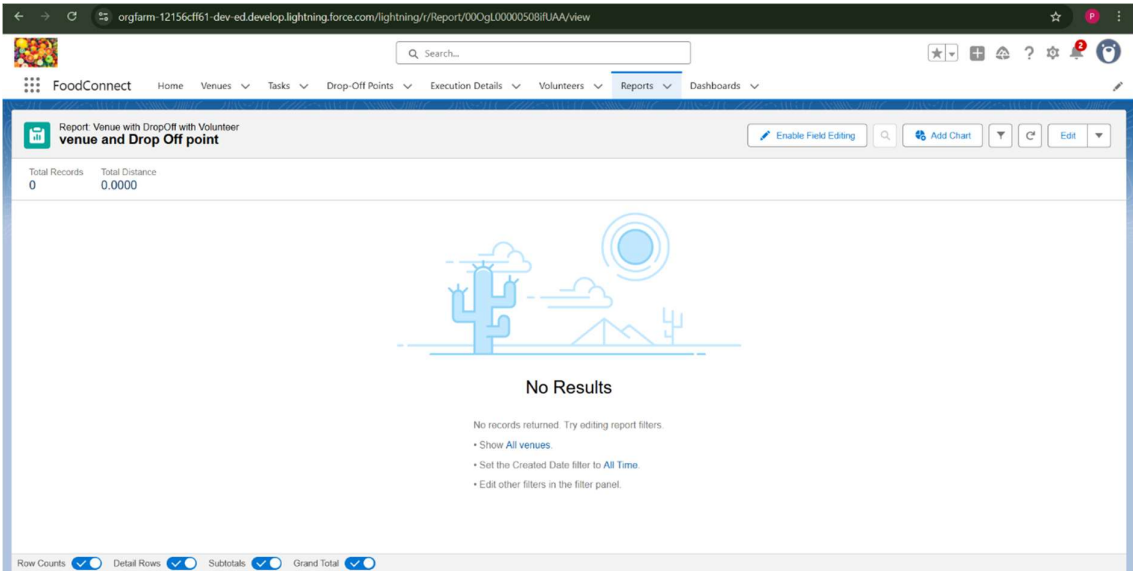
Fields

Source Object

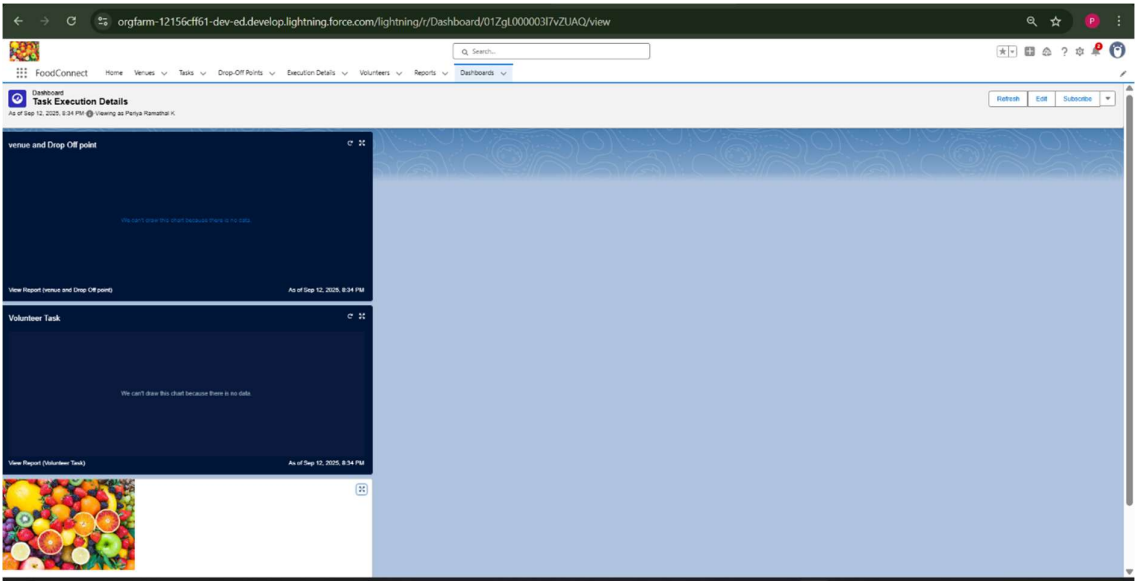
Included Fields

Object Relationships

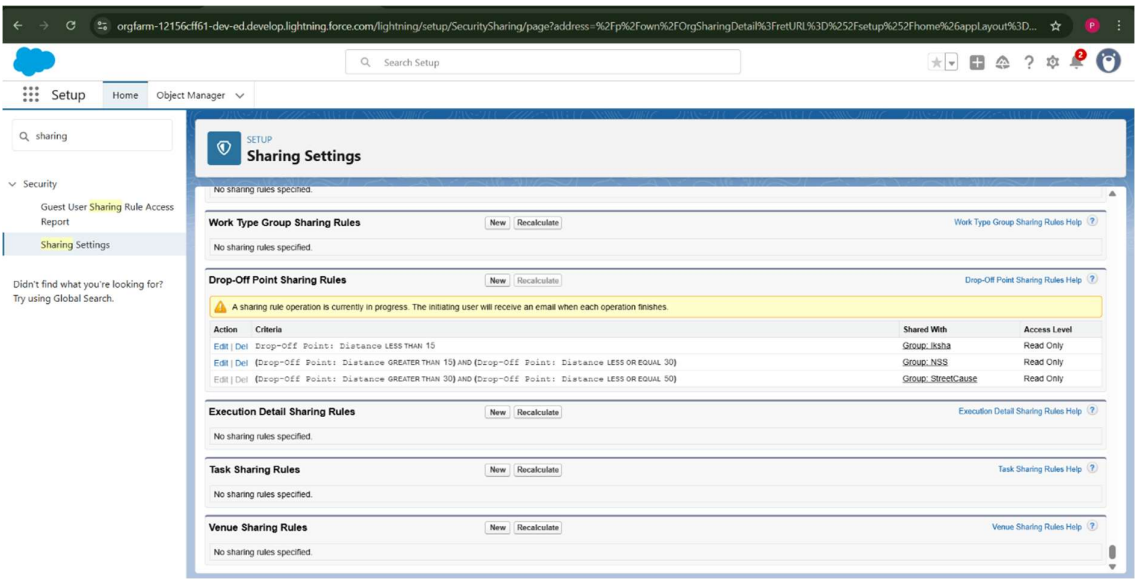
Creation of Report on Venue with DropOff with Volunteer



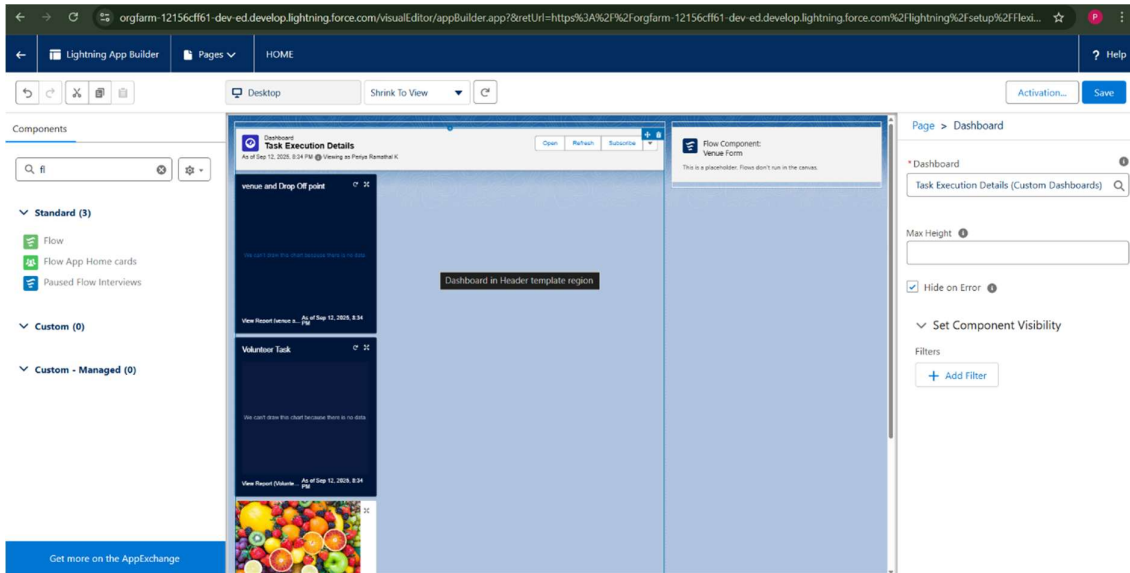
Dashboards



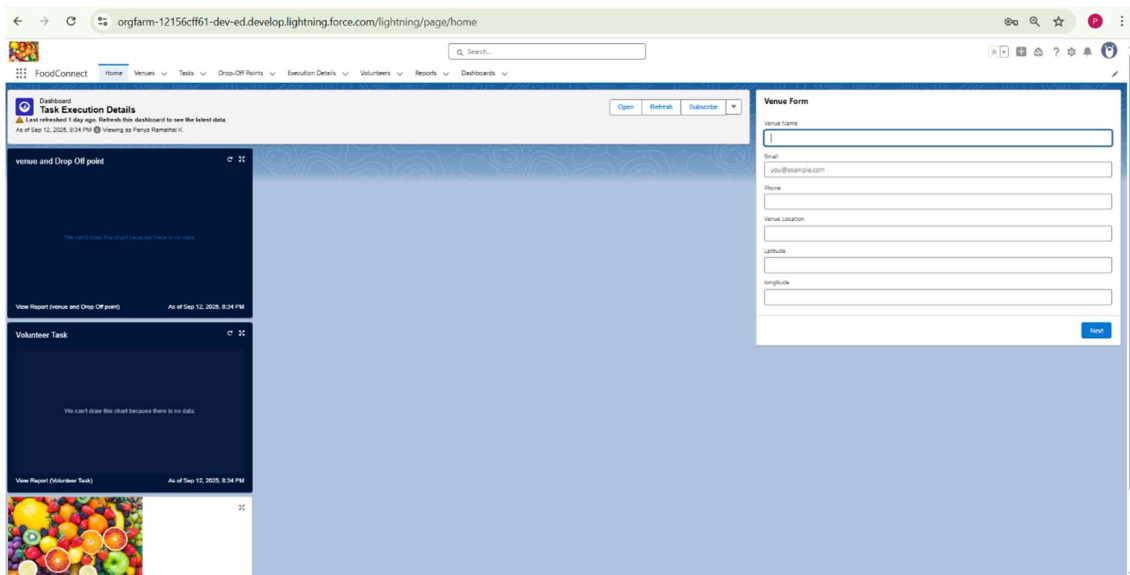
Creation of sharing rules



Drop-Off Point Sharing Rules				Drop-Off Point Sharing Rules Help ?	
Action	Criteria			Shared With	Access Level
Edit Del	Drop-Off Point: Distance LESS THAN 15			Group: lksha	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;  
  }  
}
```