

# PROJECT TITLE - LEFT OVER

## FOOD MANAGEMENT SYSTEM

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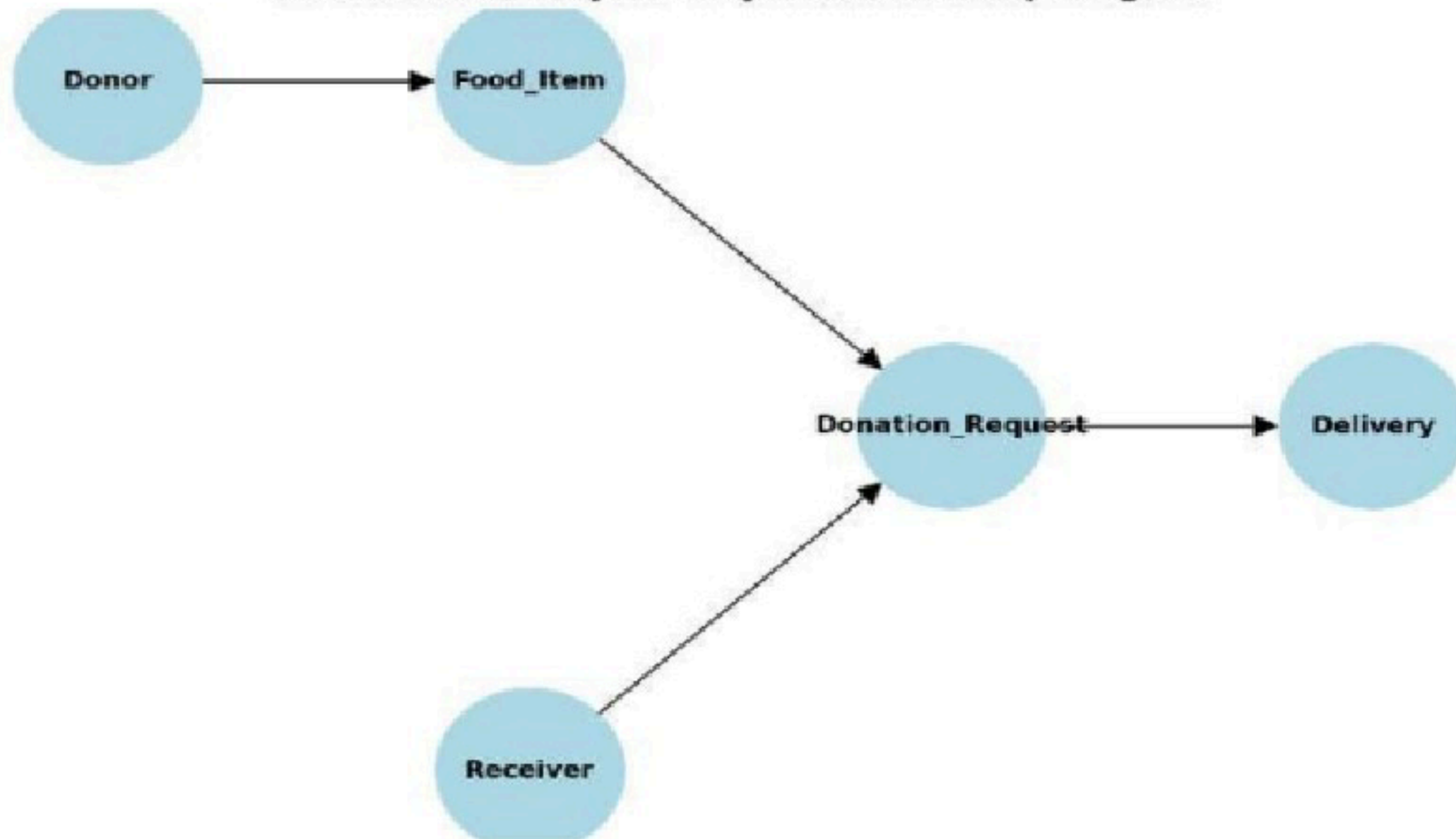
## 2. 1.INTRODUCTION

### 1.1 Project Overview

Salesforce app to manage leftover food donations. Connects Donors (Hotels, Canteens, Events) with Receivers (NGOs, Needy people). Automates food request, approval, tracking and delivery.

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Leftover Food Project - Object Relationship Diagram



sforce app

Sale

### 1. 2 Purpose


Reduce food wastage Provides food to needy on tin-vee Ensure transparency & efficiency using Salesforce automation (Flows, Triggers, Emails).

## 3. DEVELOPMENT PHASE

Creating

By using Developer Account:

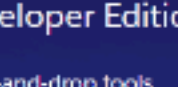
URL - <https://www.salesforce.com/form/developer-signup/?d=pb> -



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Steps

1 Select Type

Customer Support



### Sign up for your Developer Edition

A free Salesforce Platform environment with Agentforce and Data Cloud

First name	Last name
<input type="text" value="Lavanya"/>	<input type="text" value="T"/>
Job title	Work email
<input type="text" value="To supply Leftover Food"/>	<input type="text" value="lavanyaq979@gmail.com"/>
Company	Country/Region
<input type="text" value="PURATCHI THALAVI"/>	<input type="text" value="India"/>

Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud infrastructure.

☐ I agree to the [Main Services Agreement](#) – Developer Services and [Salesforce Program Agreement](#). I acknowledge, as described in the [Developer Documentation](#): (1) the Developer Edition includes autonomous and other generative AI features; and (2) Salesforce may limit use of those features and the org, and may terminate any org that has been inactive for 45 days.

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- Created objects: Donar , Food\_item, Receiver, Donation—Request, Delivery.

The screenshot displays the Salesforce Lightning App Manager interface for configuring the 'Venue' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Forms, Links and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Left View Button Layout, Extension Rules, Scoping Rules, Object Access, and Triggers. The main content area is titled 'Venue' and shows the 'Details' configuration. It includes a 'Details' section with a list of fields (Name, Custom, Singular Label, Plural Label, Values) and a 'Actions' section with a list of actions (Create, Edit, Delete, etc.). The interface is clean and modern, with a blue header and a white background.

0 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 Keywords

ListView Custom Layout

Restrictive Rules

Triggering Rules

Object Access

Triggers

Details

Description

API Name

0 Off Point\_\_s

Content

✓

Singular Label

0 Off Point

Plural Label

0 Off Points

Enable Reports

✓

Track Activities

✓

Track Field History

✓

Logchangeset Status

Deployed

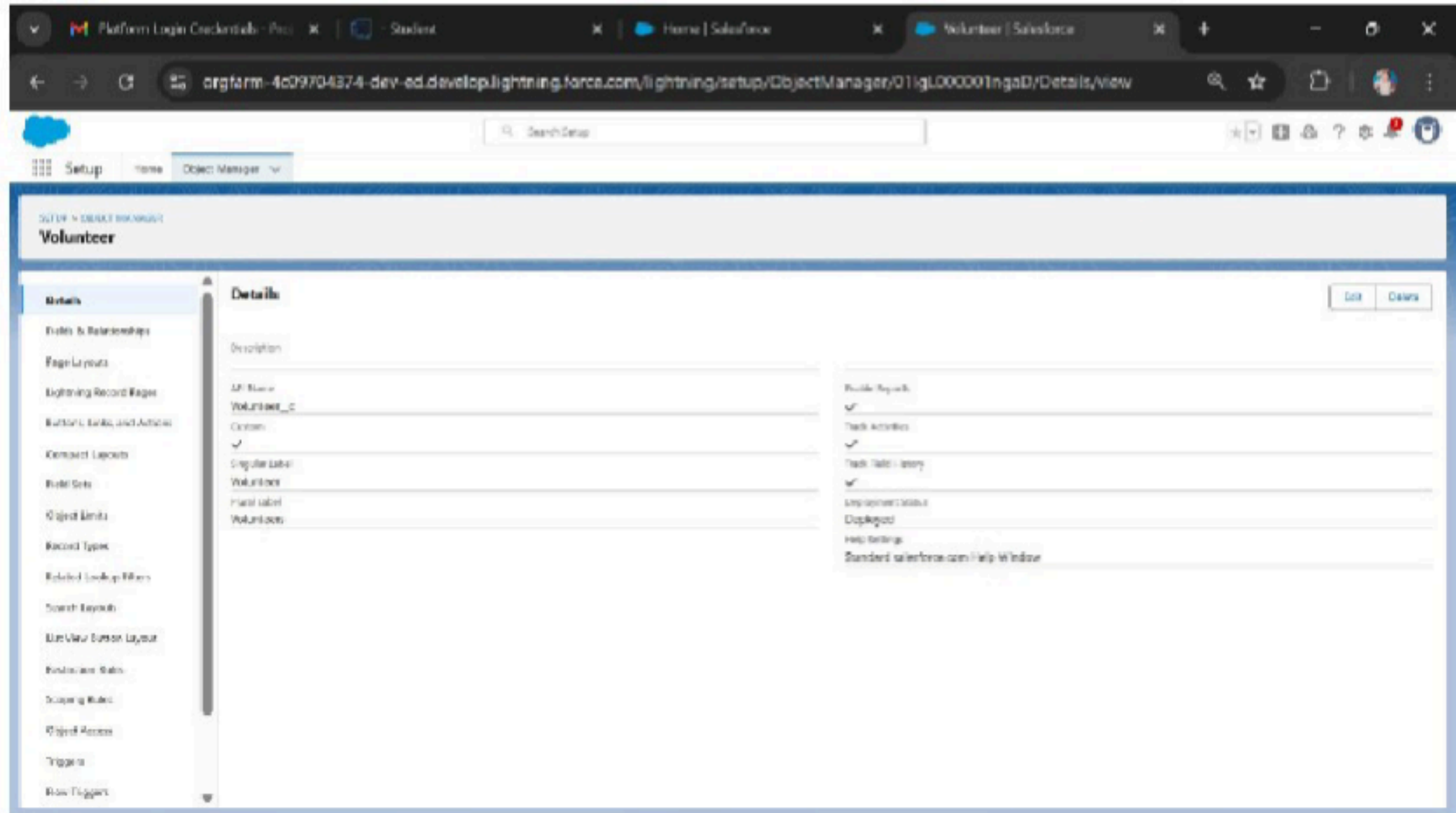
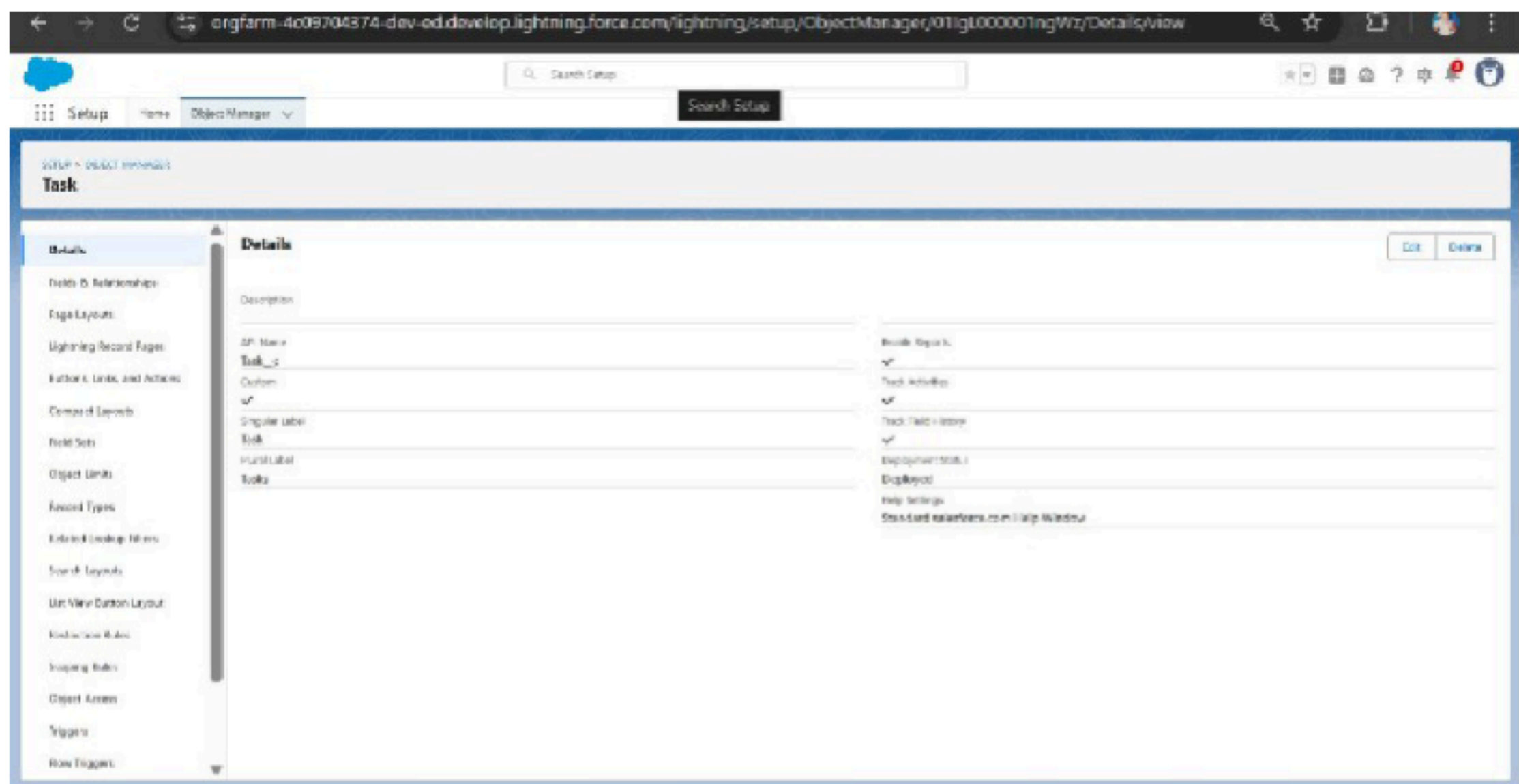
Help Settings

Standard Salesforce.com Help Window

Edit

Delete





\*Configured fields and relationships.

Platform Login Credentials - Pro Student Home | Salesforce Venue | Salesforce

orgfarm-4c09704374-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/011gLO000001ngGr/FieldsAndRelation...

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

### Venue

Fields & Relationships

Fields, sorted by field label

Find Fields New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Contact Email	Contact.Email_Loc	Email		
Contact Phone	Contact.Phone_Loc	Phone		
Created By	CreatedBy	Lookup(Many)		
Last Modified By	LastModifiedBy	Lookup(Many)		
Location	Location__c	Geolocation		
Owner	OwnerId	Lookup(Many:Global)		✓
Venue Location	Venue.Location__c	Long Text Area(12750)		
Venue Name	Name	Text(80)		✓

Platform Login Credentials - Pro Student Home | Salesforce Drop-Off Point | Salesforce

orgfarm-4c09704374-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/011gLO000001ngS9/FieldsAndRelation...

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

### Drop-Off Point

Fields & Relationships

Fields, sorted by field label

Find Fields New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(Many)		
Distance	Distance__c	Number(12,2)		
distance calculation	distance calculation__c	Formula (Number)		
Drop-Off Point Name	Name	Text(80)		✓
Last Modified By	LastModifiedBy	Lookup(Many)		
Location	Location__c	Geolocation		
Owner	OwnerId	Lookup(Many:Global)		✓
State	State__c	Picklist		
Venue	Venue__c	Lookup(Venue)		✓



orgform-4c09704374-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01gLO00001nga0/FieldsAndRelation...

Setup Home Object Manager

SELECT OBJECT INFORMATION

Task

Fields & Relationships  
14 items, sorted by field label

Q, Check Field New Deleted Fields Field Dependencies See History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Date	Date_c	Date		
Distance	Distance_c	Number(14, 0)		
Drop-Off Point	Drop_Off_Point_c	Lookup(Drop-Off Point)		✓
Feedback	Feedback_c	Long Text Area(1,000)		
Food Category	Food_Category_c	Picklist (Multi-Select)		
Last Modified By	LastModifiedBy	Lookup(User)		
Name of the Person	Name_of_the_Person_c	Text(50)		
Number of People Served	Number_of_People_Served_c	Number(16, 0)		
Owner	OwnerId	Lookup(Owner Group)		✓
Phone	Phone_c	Phone		
Rating	Rating_c	Picklist		

Platform Login Credentials - P... Student Home | Salesforce Volunteer | Salesforce

orgform-4c09704374-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01gLO00001nga0/FieldsAndRelation...

Setup Home Object Manager

SELECT OBJECT INFORMATION

Volunteer

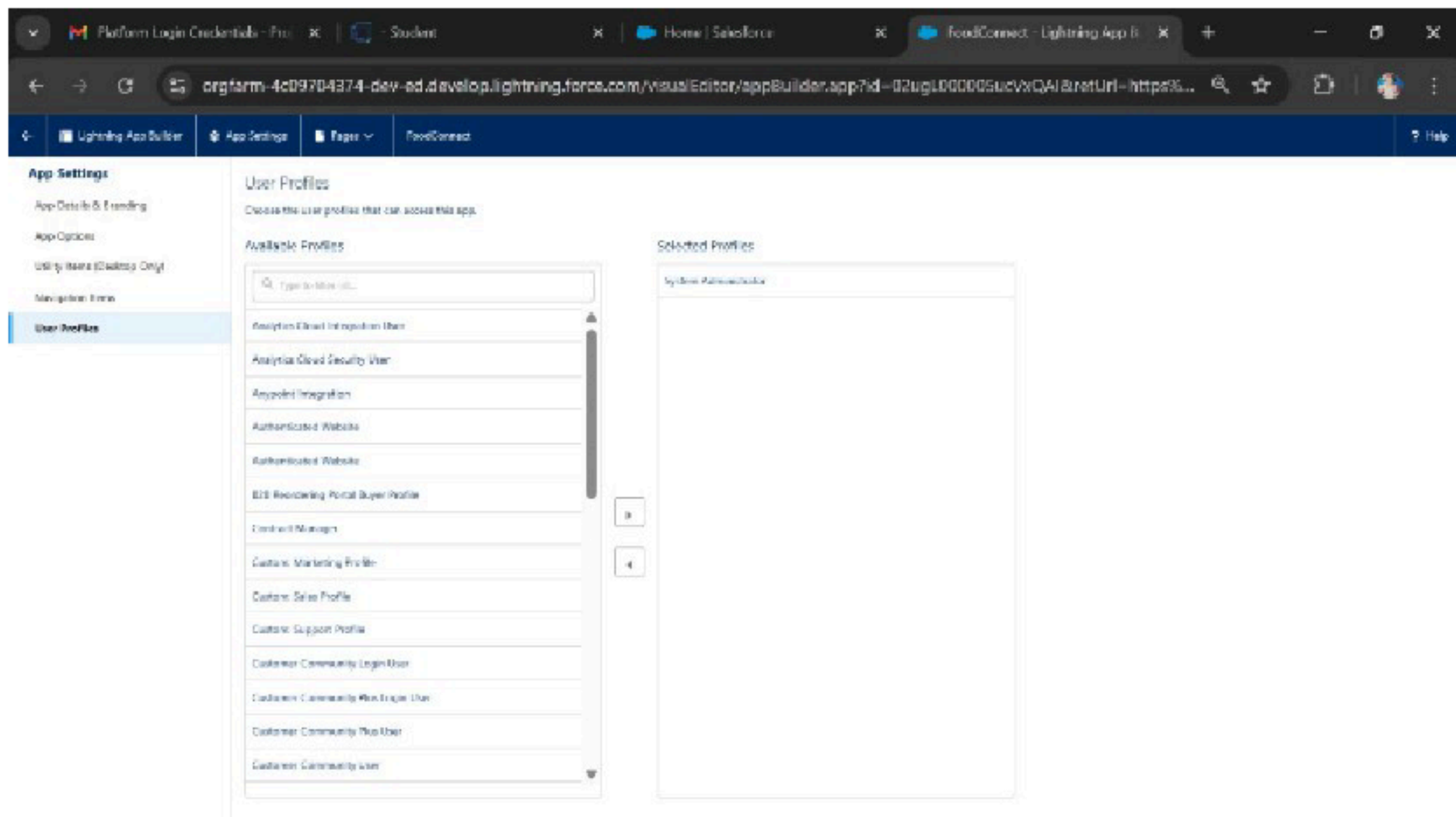
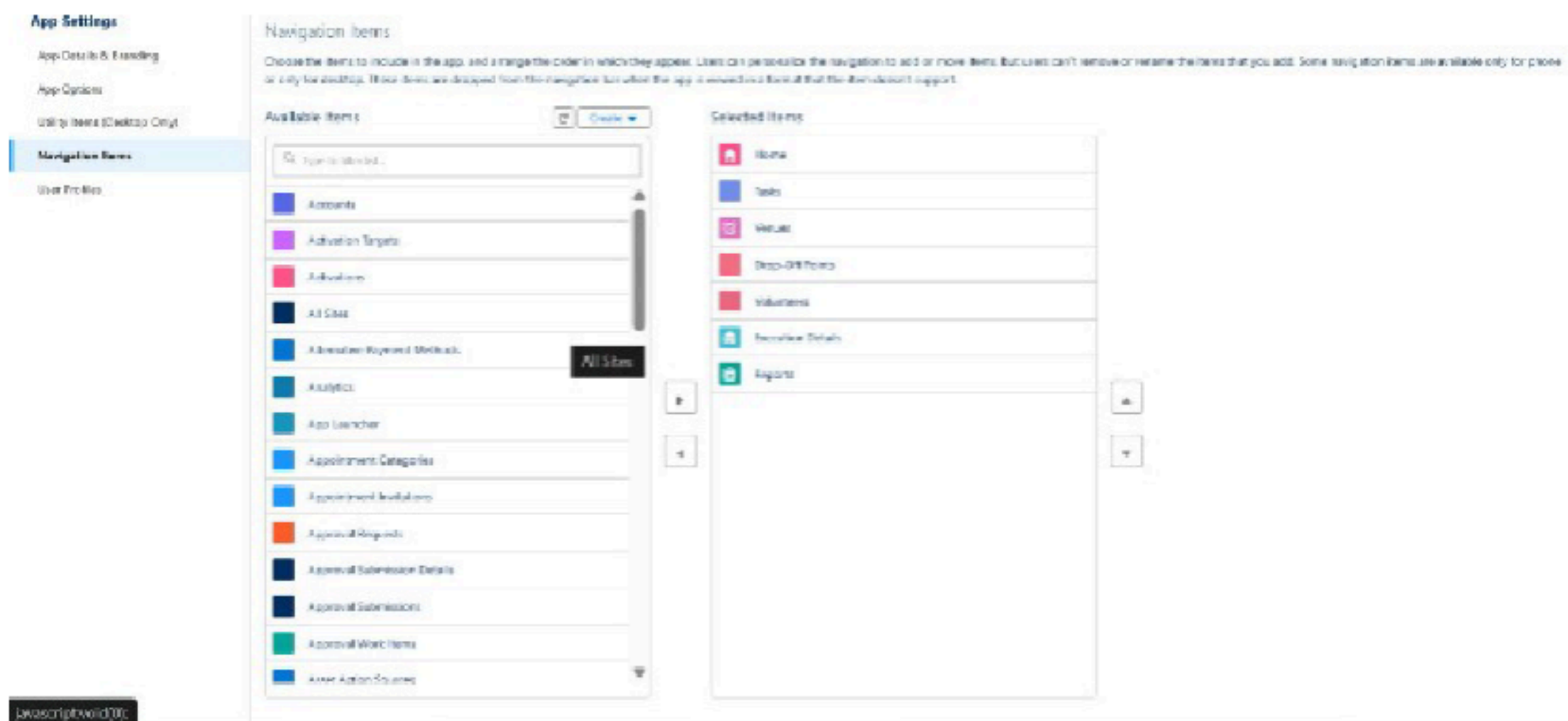
Fields & Relationships  
14 items, sorted by field label

Q, Check Field New Deleted Fields Field Dependencies See History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address_c	Long Text Area(20750)		
Address	Address_c	Long Text Area(20750)		
Age	Age_c	Number(16, 0)		
Available On	Available_On_c	Date		
Contact Number	ContactNumber_c	Number(16, 0)		
Created By	CreatedBy	Lookup(User)		
Date of Birth	Date_of_Birth_c	Date		
Drop-Off Point	Drop_Off_Point_c	Picklist (Drop-Off Point)		✓
Email	Email_c	Email		
Exemption ID	Exemption_ID_c	Auto Number		
Gender	Gender_c	Picklist		
Last Modified By	LastModifiedBy	Lookup(User)		







- Flow Implementation Auto-approve fresh food requests. Auto-cancel expired items.





## Added Apex trigger to drop OF point

Developer Console - Google Chrome

orgfarm-4cd9704374-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIFPage

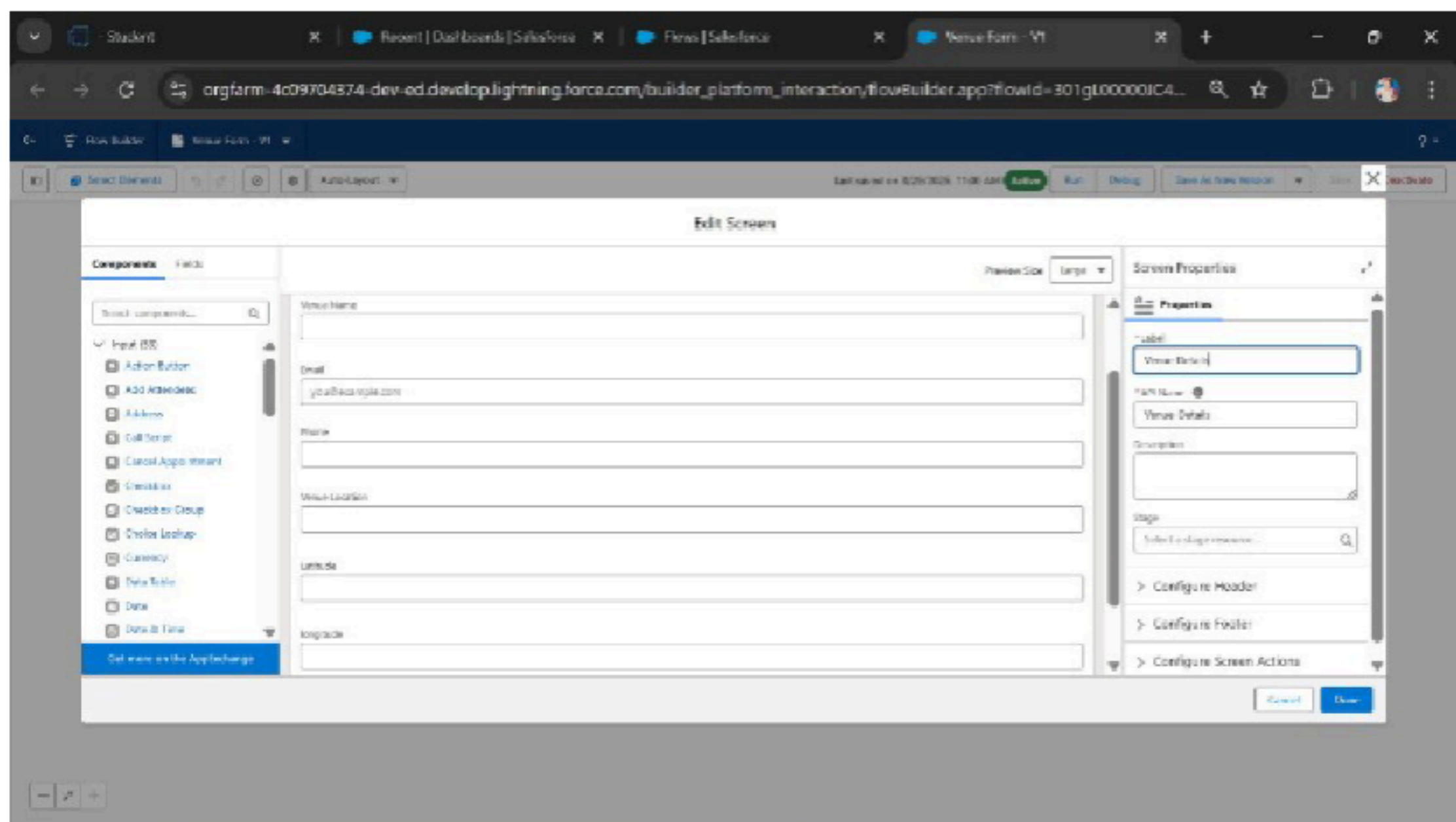
DropOffTrigger.apex

```
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_calculation__c;
6
7     }
8
9 }
```

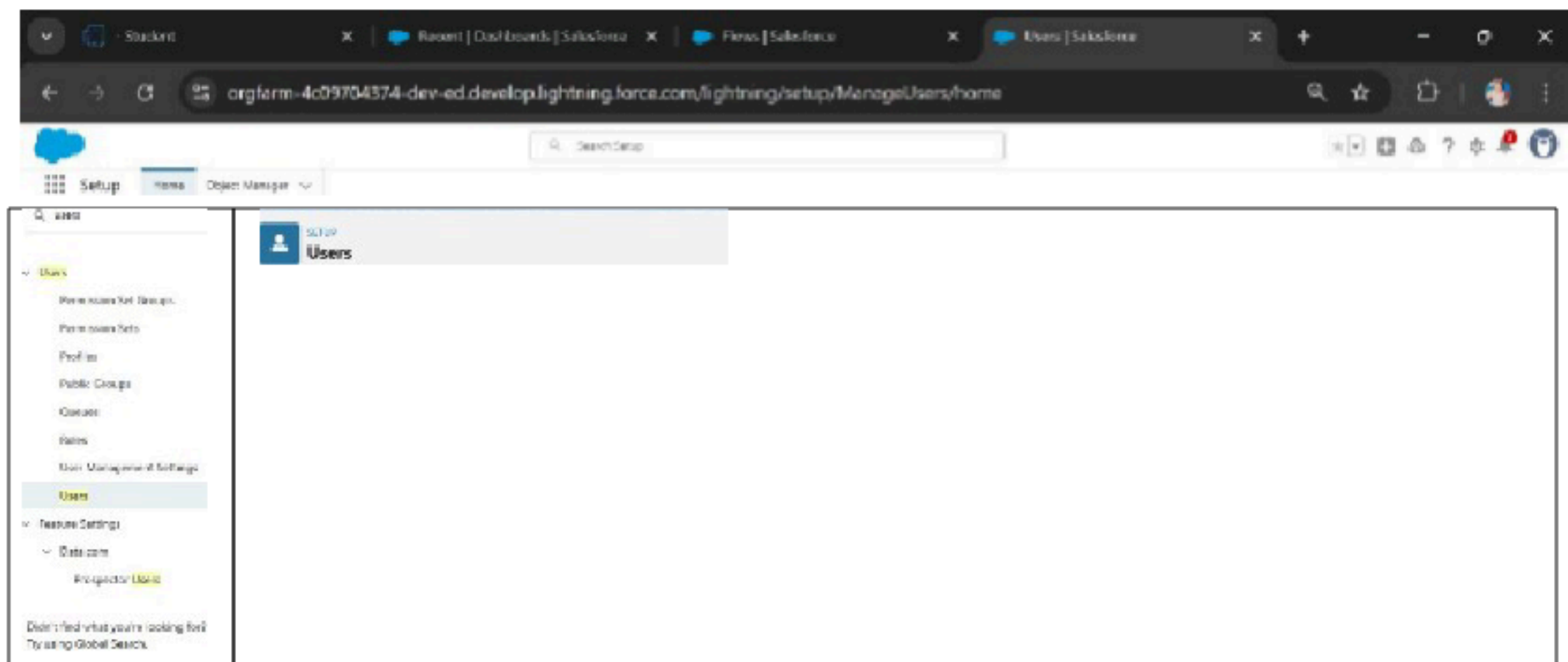
Logs | Tools | Checkpoints | Query Editor | View State | Progress | Problems

Line	Application	Operation	Time	Status	Field	Row
------	-------------	-----------	------	--------	-------	-----

Copy | Click here to like this log item



## Creating users and public groups





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[illegible]

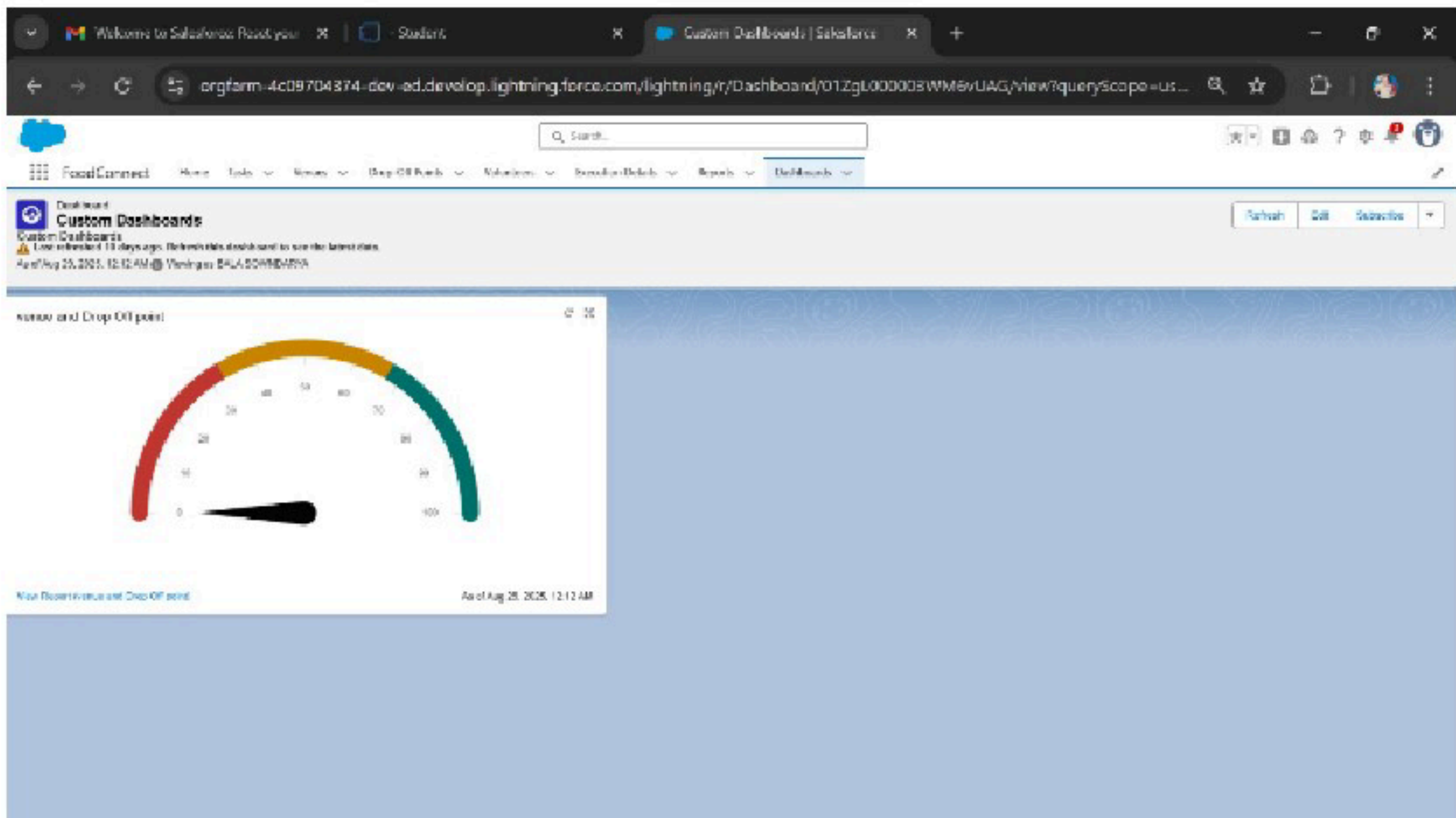
## •Reports types

The screenshot shows the Salesforce 'Custom Report Types' setup page for a report named 'Drop-Off Points with Volunteers with Execution Details'. The page is divided into several sections:

- Header:** Includes the Salesforce logo, a search bar, and navigation tabs for Setup, Home, and Object Manager.
- Left Sidebar:** Contains a search bar and a navigation menu with categories like 'Admin Settings', 'Analytics', 'Reports & Dashboards', and 'Security'. The 'Report Types' link under 'Reports & Dashboards' is highlighted.
- Main Content Area:**
  - Report Title:** 'Drop-Off Points with Volunteers with Execution Details'. Buttons for 'Preview Layout', 'Edit Layout', 'Clone', 'Delete', and 'Close' are visible.
  - Description:** 'Below is the information for this custom report type. You can click the buttons on this to preview or update information for the custom report type.'
  - Details Panel:**
    - Display Label:** Drop-Off Points with Volunteers with Execution Details
    - API Name:** Drop\_Off\_Points\_with\_Volunteers\_with\_Execution\_Details
    - Description:** Drop-Off Points with Volunteers with Execution Details
    - Created By:** SAUR SOMNATHAN, 28/08/2025, 12:23 pm
    - Name in Category:** action
    - Deployment Status:** Deployed
    - Modified By:** SAUR SOMNATHAN, 28/08/2025, 12:23 pm
  - Fields Panel:**

Source Object	Included Fields
Drop-Off Points	1/2
Volunteers	1/2
  - Object Relationships Panel:** Shows a Venn diagram with three overlapping circles labeled A, B, and C. Below the diagram is a small table with columns A, B, and C, each containing a list of fields.





Sharing Settings

This page displays your organization's sharing settings. These settings specify the level of access your users have to each other's data. Do it: Background only to monitor the progress of a change to an organization-wide default or a published sharing rule activation.

Manage sharing settings for: **Drop-Off Point**

Create Custom Sharing Rules

Current sharing settings

Object	Default Internal Access	Default External Access	Guest Users: Bring Forward
Drop-Off Point	Public Read/Write	Private	

Other Settings

View settings only

Sharing Rules

Active	Criteria	Related With	Access Level
ON	Drop-Off Point: Custom Rule (1)	Drop-Off Point	Read Only
ON	Drop-Off Point: Custom Rule (2)	Drop-Off Point	Read Only
ON	Drop-Off Point: Custom Rule (3)	Drop-Off Point	Read Only

Sharing Conditions

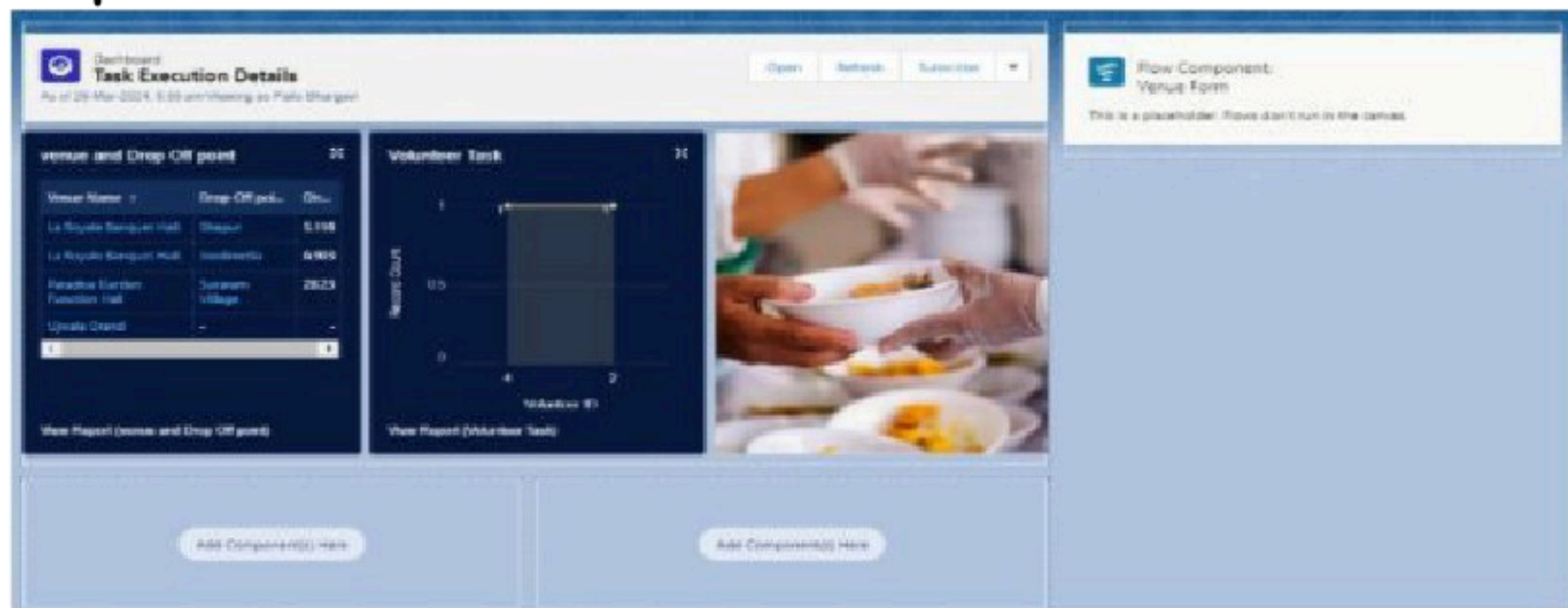




The screenshot shows a Salesforce Lightning page titled "Venue Form". The page has a header with the "FoodConnect" logo and a navigation menu with items: Home, Tools, Search, Drop Off Maps, Volunteer, Venue-to-Task, Reports, and Dashboards. A search bar is located in the top right. The main content area contains a form with the following fields: Venue Name, Email, Phone, Venue Location, and a Link to. There is a "Save" button at the bottom right of the form.

## RESULTS:

Output Screenshots :



## ADVANTAGES & DISADVANTAGES:

- Reduces food wastage.
- Helps NGOs & needy people.
- Automatic time- saving transparent system.
- Requires internet access.
- NGOs/ Donors be trained of Salesforce.

## CONCLUSION:

Leftover Food Management System in Salesforce successfully reduces food wastage. Connect donors & receivers effectively Improves efficiency using automation..

## Apex trigger

### Trigger Code

(This Trigger is to assign Distance field to the Distance Calculation field. So that we can assign the distance in the sharing rules.)

**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:
```

```
}
```

```
}
```





