

# TO SUPPLY LEFTOVER FOOD TO POOR

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# 1.INTRODUCTION

## 1.1 Project Overview

In a world where millions go to bed hungry, the irony of food waste is both heartbreaking and avoidable. Every day, vast quantities of perfectly edible food are discarded by households, restaurants, and events—while countless individuals struggle to find their next meal. This project aims to transform that imbalance into an opportunity for compassion. **"Feeding Hope Through Leftovers"** is a community-driven initiative designed to collect surplus food and redistribute it to those in need across world. By bridging the gap between abundance and scarcity, we not only reduce waste but also restore dignity to those who are often overlooked.

## 1.2 Purpose

To reduce food waste and alleviate hunger by leveraging Salesforce technology to connect food donors (restaurants, caterers, individuals) with NGOs, shelters, and community kitchens that serve the underprivileged.

## DEVELOPMENT PHASE

### Creating developer Account:

By using this URL –

**Creating a developer org in salesforce.**

Platform Login Credentials - P... Student Developer Edition with Agentf... Home | Salesforce

salesforce.com/forms/developer/signup/7dtrpb

## and get hands-on with Agentforce and Data Cloud.

Sign up for your Developer Edition.

- ✓ 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
- ✓ Integrate with anything using APIs

**Agentforce**

Steps

- 1 Select Type

- Customer Support
- Sales Coach
- Sales Development

First name Last name

saranya |

Job title Work email

salesforce saranya@yskumar30s

Company Country/Region

AIVP college of arts and

India

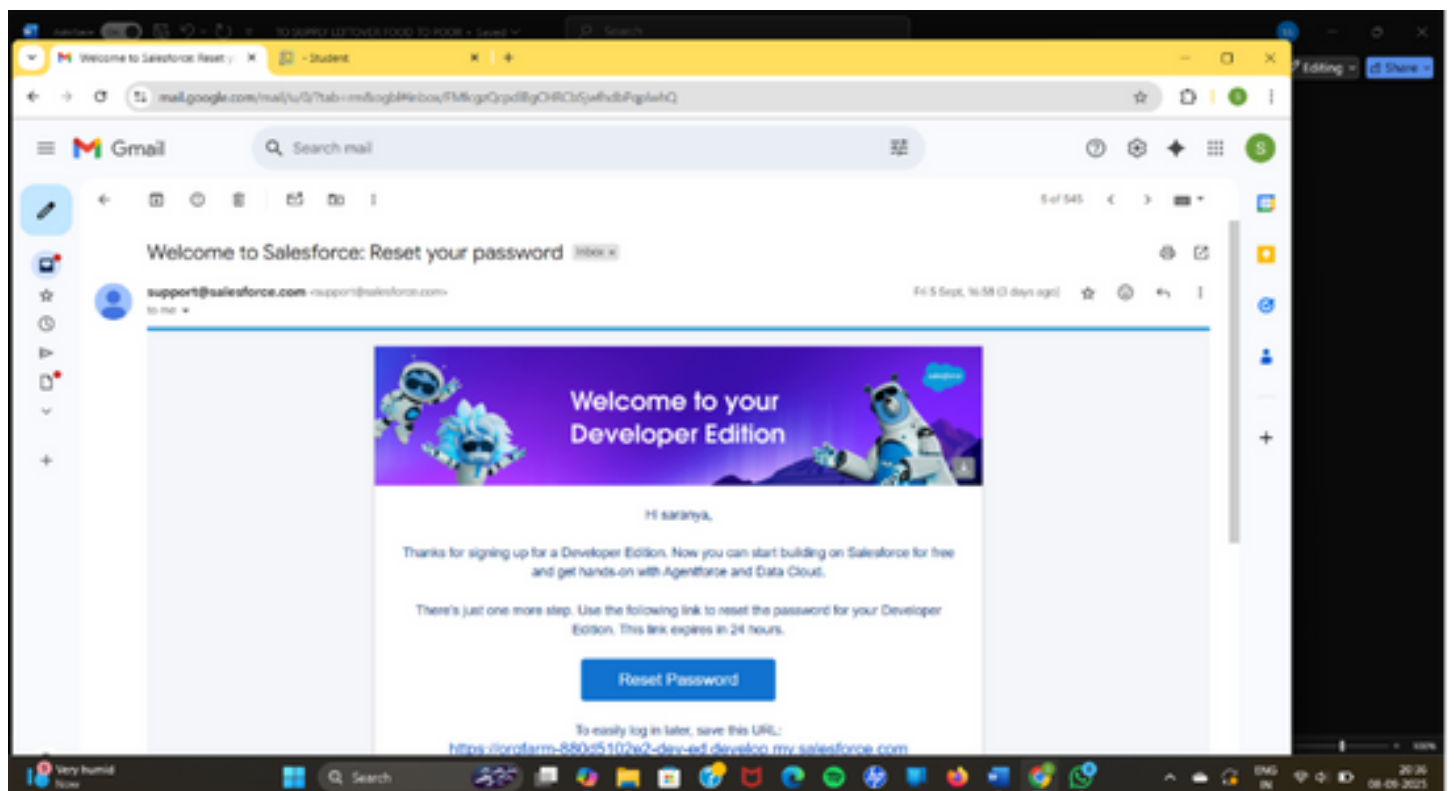
Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud infrastructure.

☒ 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.

We value your privacy. To learn more, visit our [Privacy Statement](#).

☒ I'm not a robot

10:44 08-09-2025

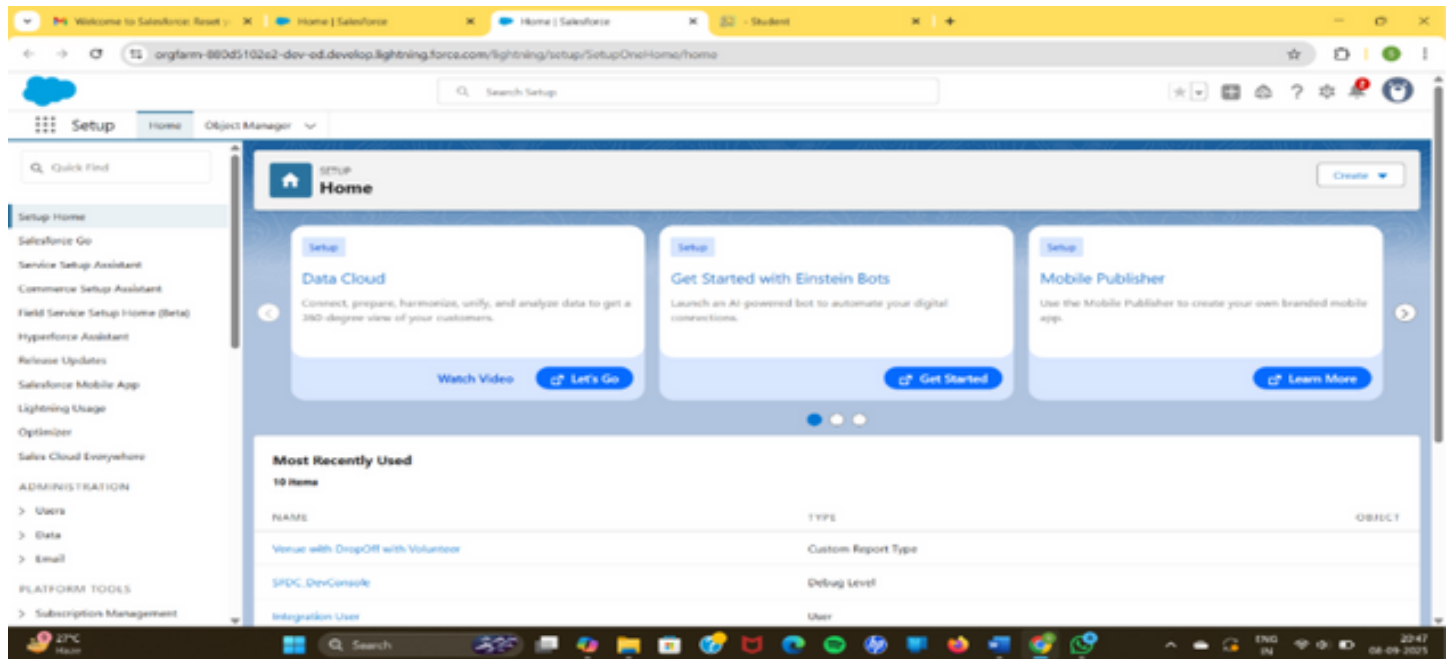


1.click on Verify Account

2. Give a password and answer a security question and click on change password.

3. Give a password and answer a security question and click on change password.

4. Then you will redirect to your Salesforce setup page.




**Create Venue Object :**

**To create an object:**

← → ↻

orgfarm-860d5162e2-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home

☆ 📄 🏠 ? ⚙️ 🔔 👤




Search Setup

Setup

Home

Object Manager ▾

 **Object Manager**

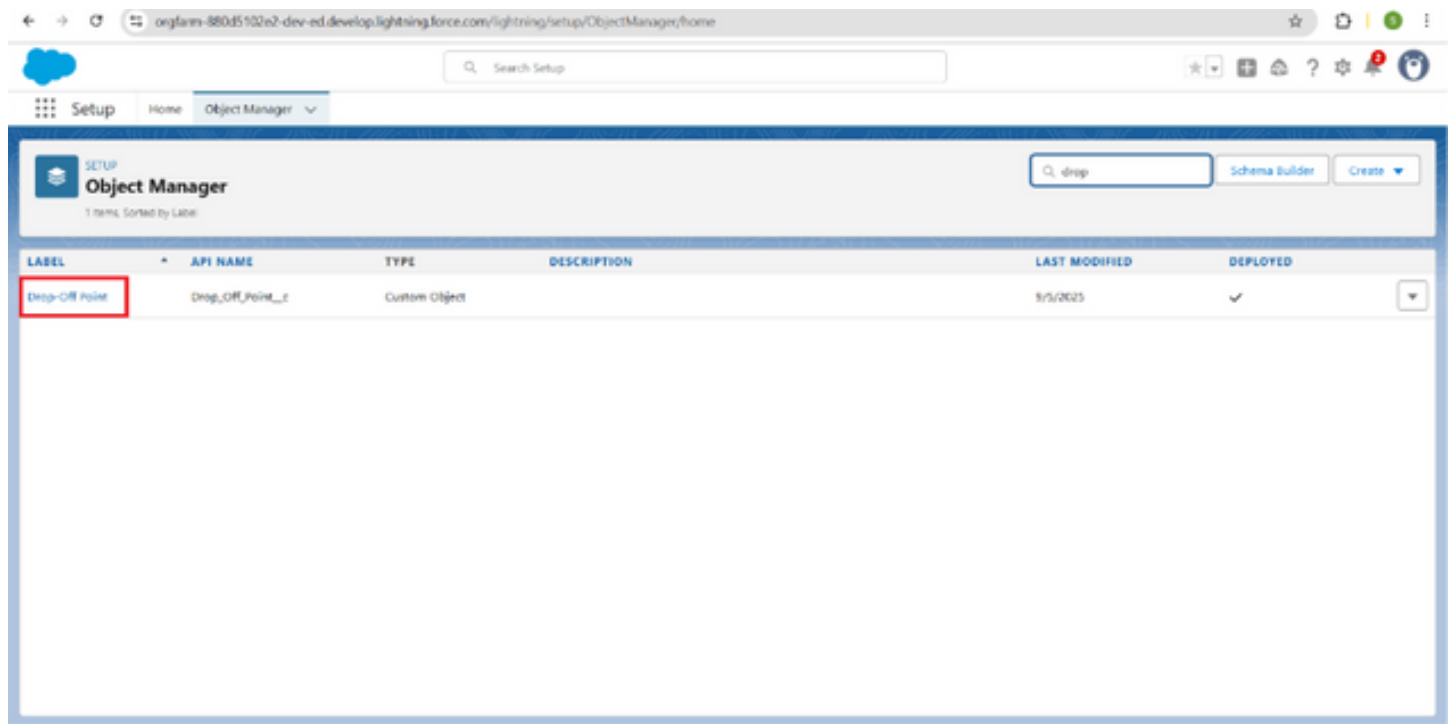
1 item, Sorted by Label

Schema Builder Create ▾

Label	API Name	Type	Description	Last Modified	Deployed	
Execution Detail	Execution_Detail__c	Custom Object		8/5/2025	✓	▾

1. From the setup page >> Click on Object Manager >> Click on Create >>Click on Custom Object.

## Create Drop-Off Point Object

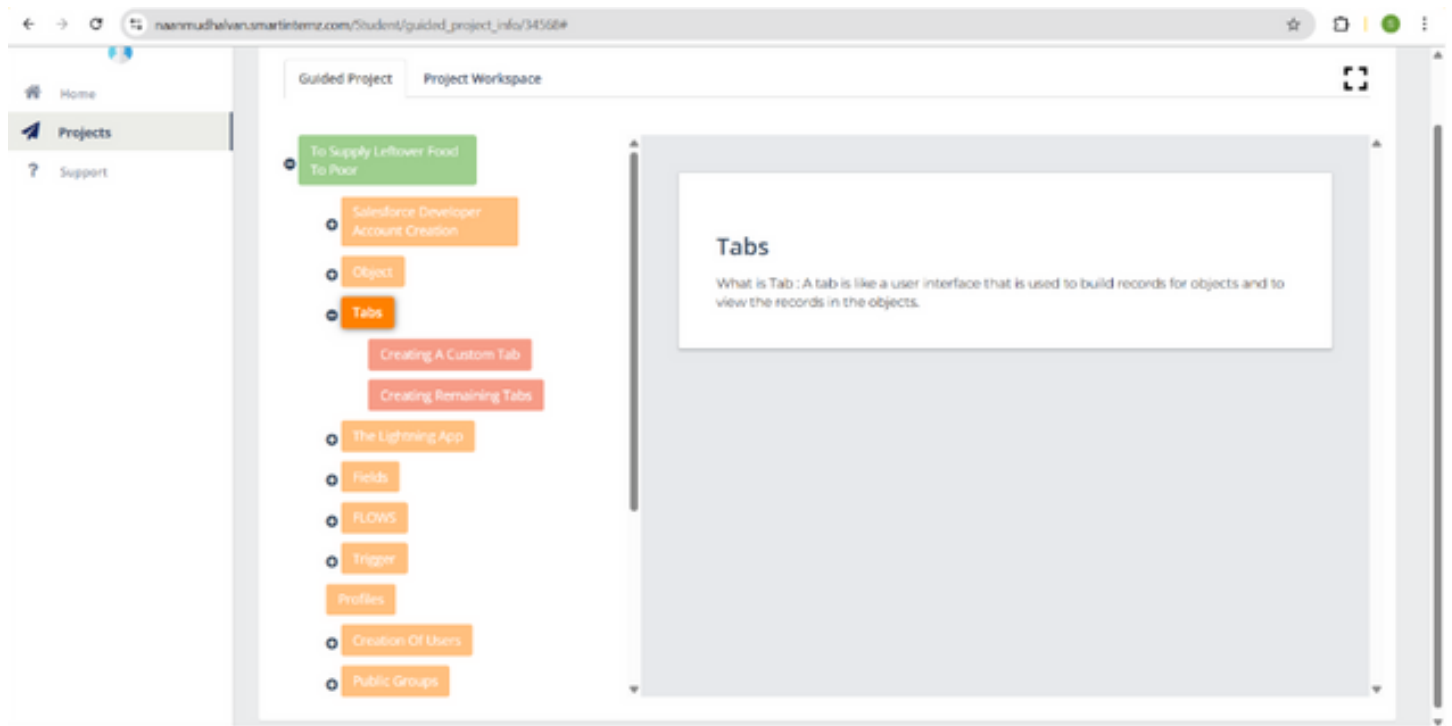


1. Create a Object of Drop-Off point in Custom Object. Enter the label name >> Drop-Off Point
2. Plural label name>> Drop-Off Points
3. Enter Record Name Label and Format
  - Record Name >> Drop-Off point Name
  - Data Type >> Text
4. Click on Allow reports and Track Field History, Allow Activities
5. Allow search >> Save.

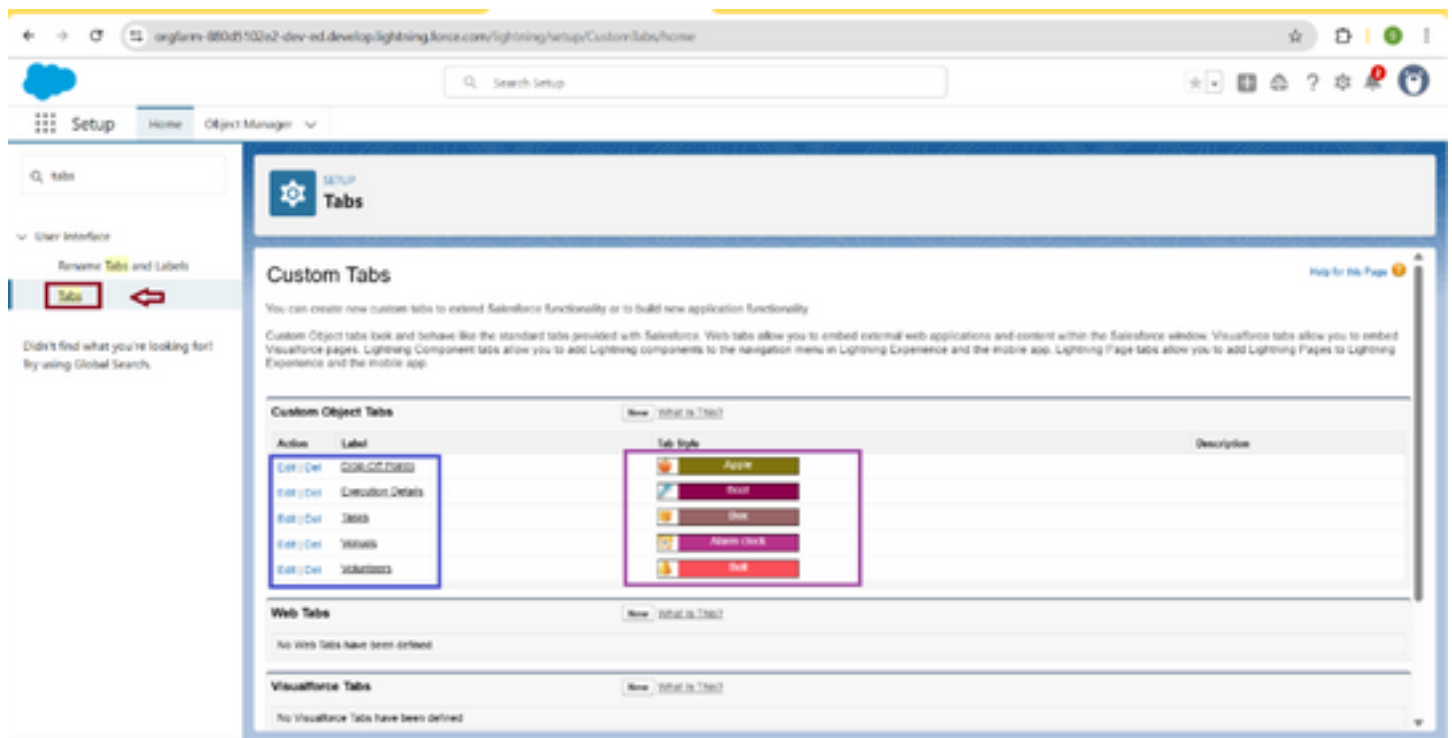
### Same as to create a object:

- 1.Task Object
- 2.Volunteer Object
- 3.Execution Object

And Then Go To Create The tabs:



To create a Tab:(Venue)



Select Object (Venue) >> Select the tab style >> Next (Add to profiles page) keep it as default >> Next (Add to Custom App ) uncheck the a

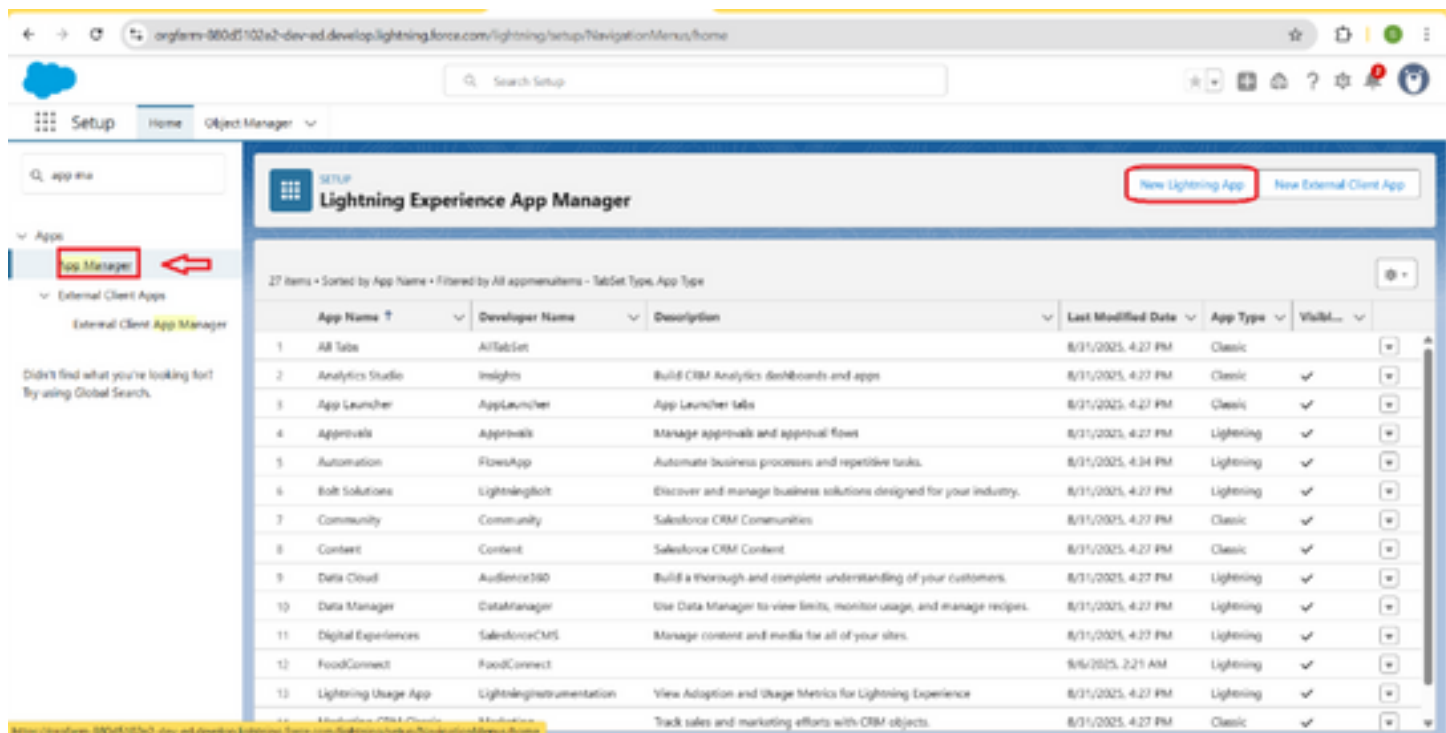
include tab. Make sure that the Append tab to users' existing personal customizations is checked. Click save.

**Now create the Tabs for the remaining Objects, they are “Drop-Off Point, Task, Volunteer, Execution Details”.**

The Lightning App :

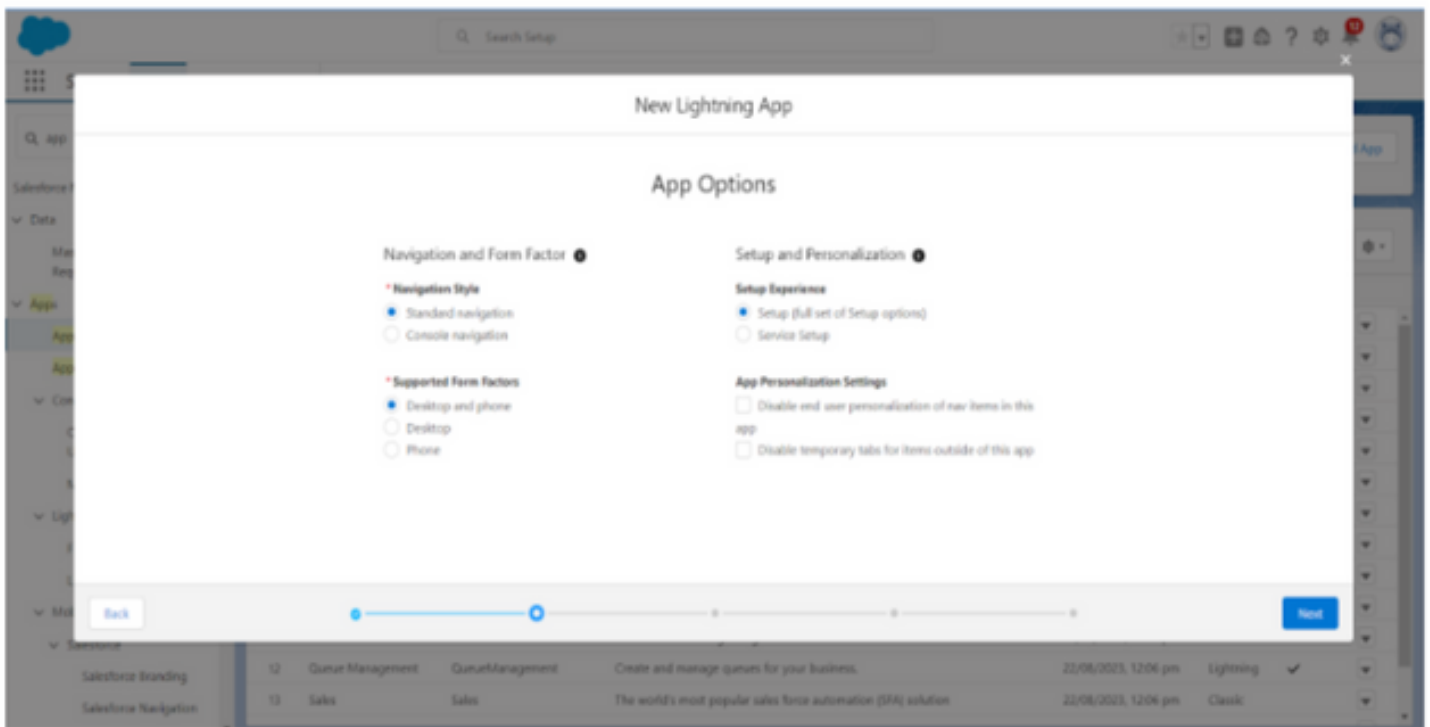
To create a lightning app page:

Go to setup page >> search “app manager” in quick find >> select “app manager” >> click on new lightning App.



Set Navigation Style as Standard Navigation >> Next.

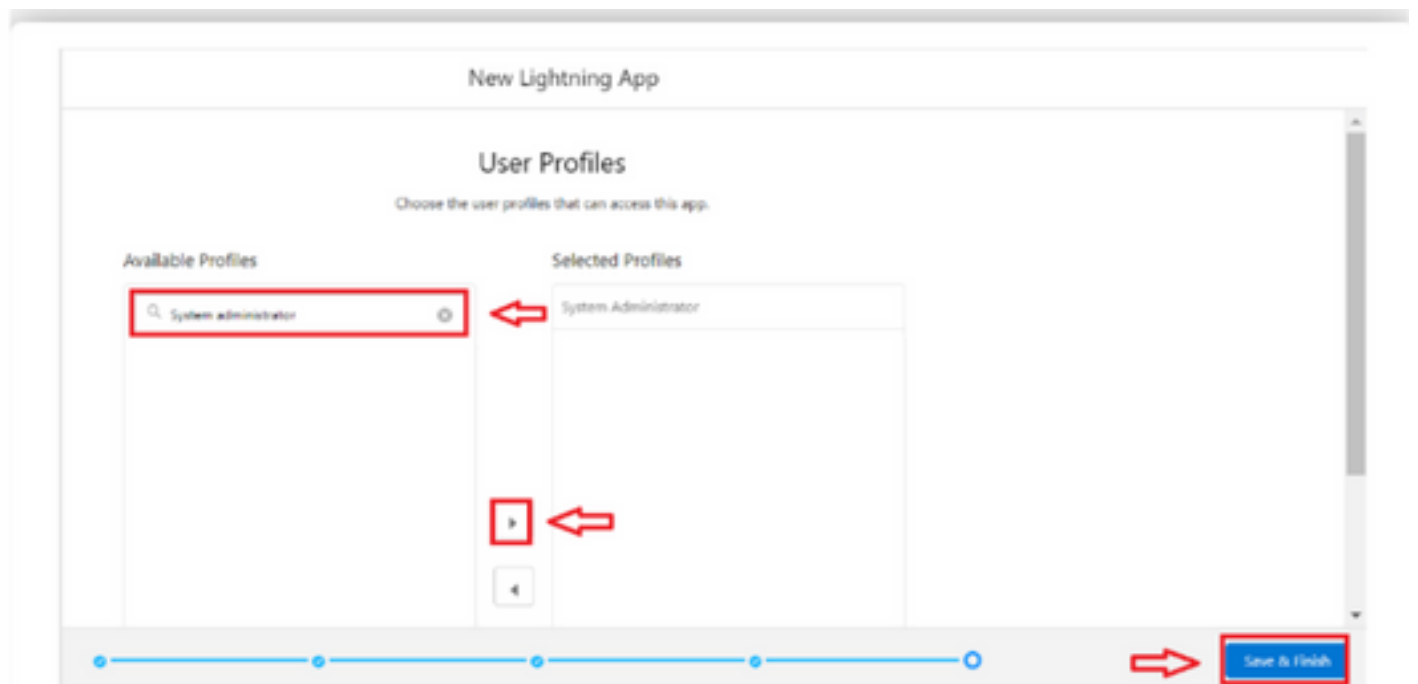
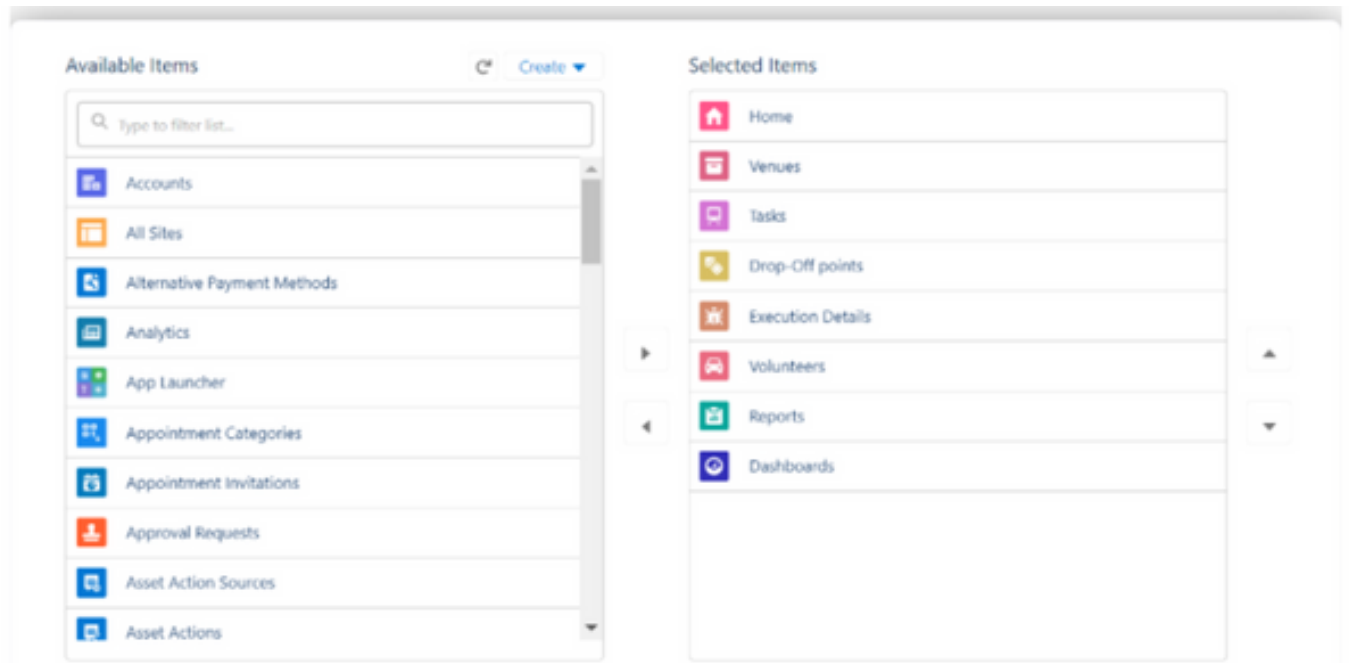




(Utility Items) keep it as default Next.

### To Add Navigation Items:

Search for the item in the (Home, Venue, Drop-Off Point, Task, Volunteer, Execution Details, Reports) from the search bar and move it using the arrow button >> Next >> Next.



Search profiles System administrator in the search bar >> click on the arrow button >> save & finish.

Creation of Relationship fields in objects:



naamudhalvan.smartinternz.com/Student/guided\_project\_info/34568#

Smart Internz

Home Projects Support

Guided Project Project Workspace

Object  
Tools  
The Lightning App  
Fields

Creation Of Relationship Fields In Objects  
Creation Of Fields For The Venue Object  
**Creation Of Fields For The Drop-Off Point Object**  
Creation Of Fields For The Task Object  
Creation Of Fields For The Volunteer Object  
Creation Of Fields For The Execution Details

### Creation Of Fields For The Drop-Off Point Object

Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.  
2. Now click on "Fields & Relationships" >> New  
3. Select Data type as a "Geolocation" and Click on Next  
4. Fill the Above as following:

- Field Label : Location 2
- Field Name : gets auto generated
- Description : Enter the Geolocation of the Drop off Point
- Geolocation Options : select Decimal
- Decimal Places : 4
- Click on Next >> Next >> Save and new.

To create another fields in an object:

- Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.
- Now click on "Fields & Relationships" >> New
- Select Data type as a "Formula" and Click on Next
- Fill the Above as following:

- Field Label : distance calculation
- Field Name : distance\_calculation
- Formula Return Type : Number
- Formula Options : DISTANCE( Location\_2\_\_c , Venue\_\_r.Location\_\_c , 'km')
- Click on Next >> Next >> Save and new.

8

orgfam-880d5102a2-dce-ed-develop.lightning.force.com/lightning/setup/ObjectManager/011g0000022gJ66/FieldsAndRelationships/view

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Drop-Off Point**

Details

**Fields & Relationships**  
3 Items, Sorted by Field Label

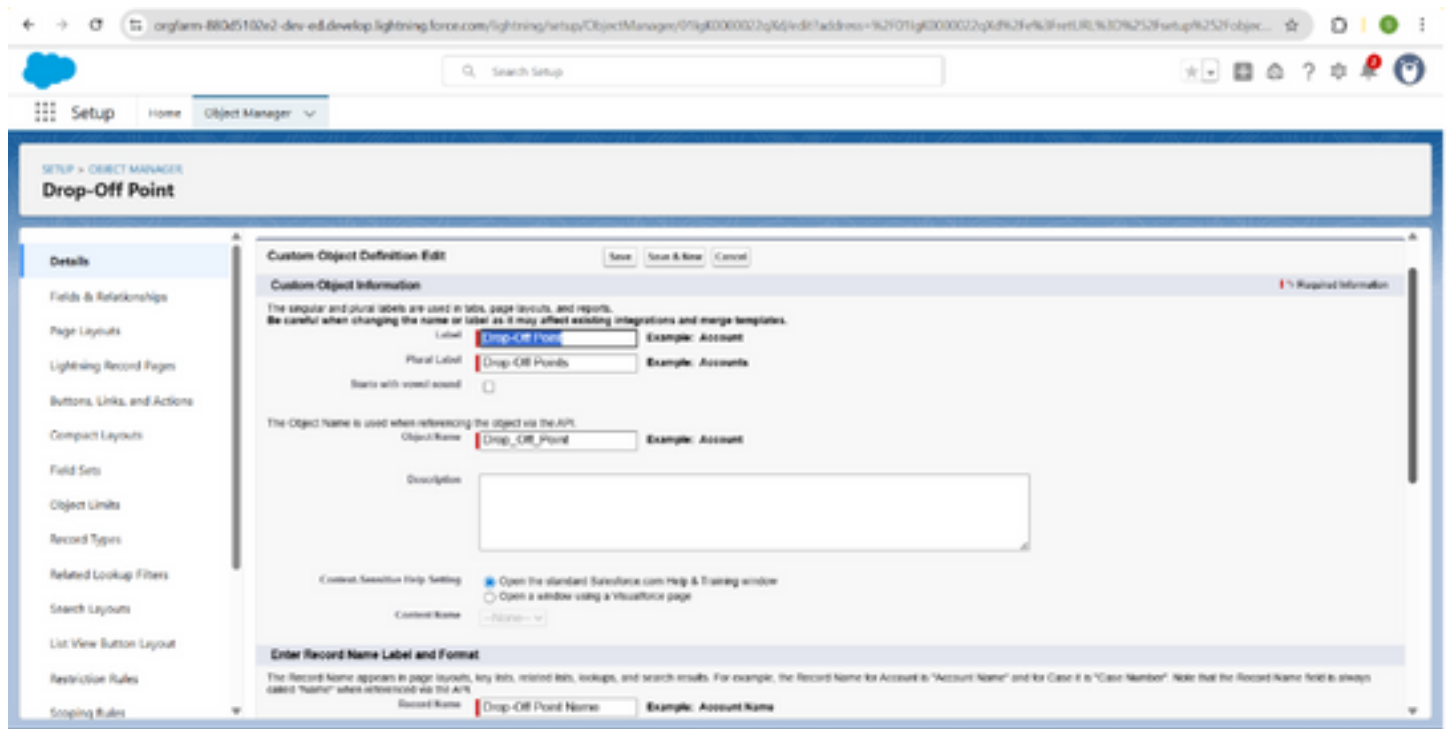
Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Drop-Off Point Name	Name	Text(50)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User/Group)		✓
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

To be create a Drop-Off Point on the Object Manager. search bar to click on the Fields&Relationship and Then click on the New. Select Data type as a "Geolocation" and Click on Next.

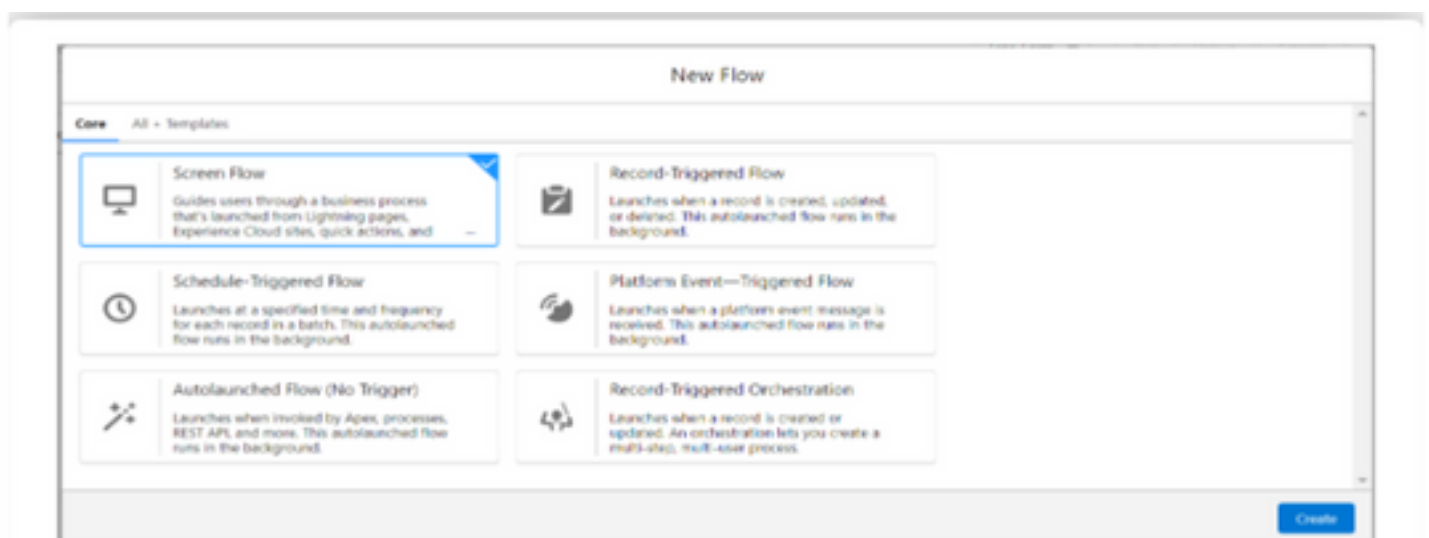




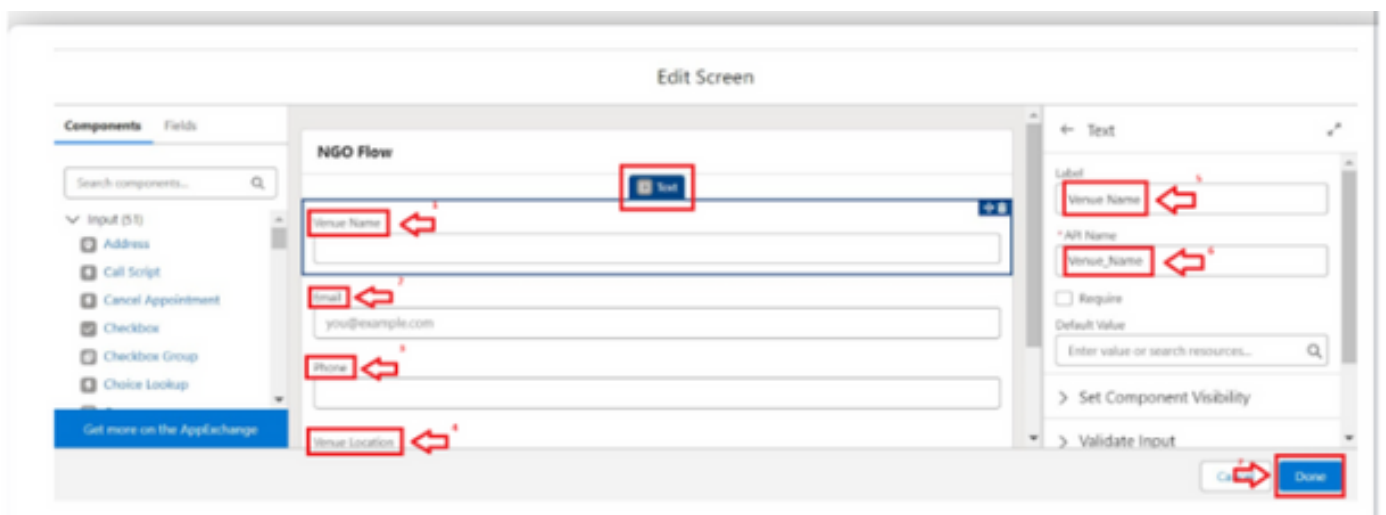
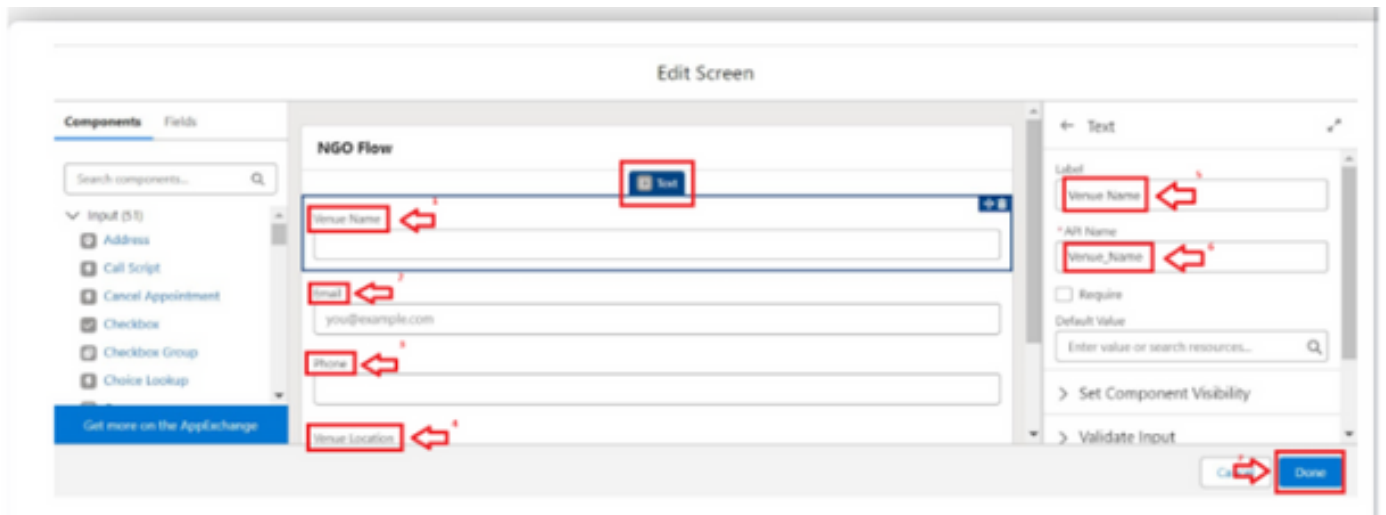
Same step follow the creting Objects:

- 1.Venue Object
- 2.volunteer Object
- 3.Task Object
- 4.Execution Object. **Those Objects are created.**

**Create Flow to create a record in Venue object:**



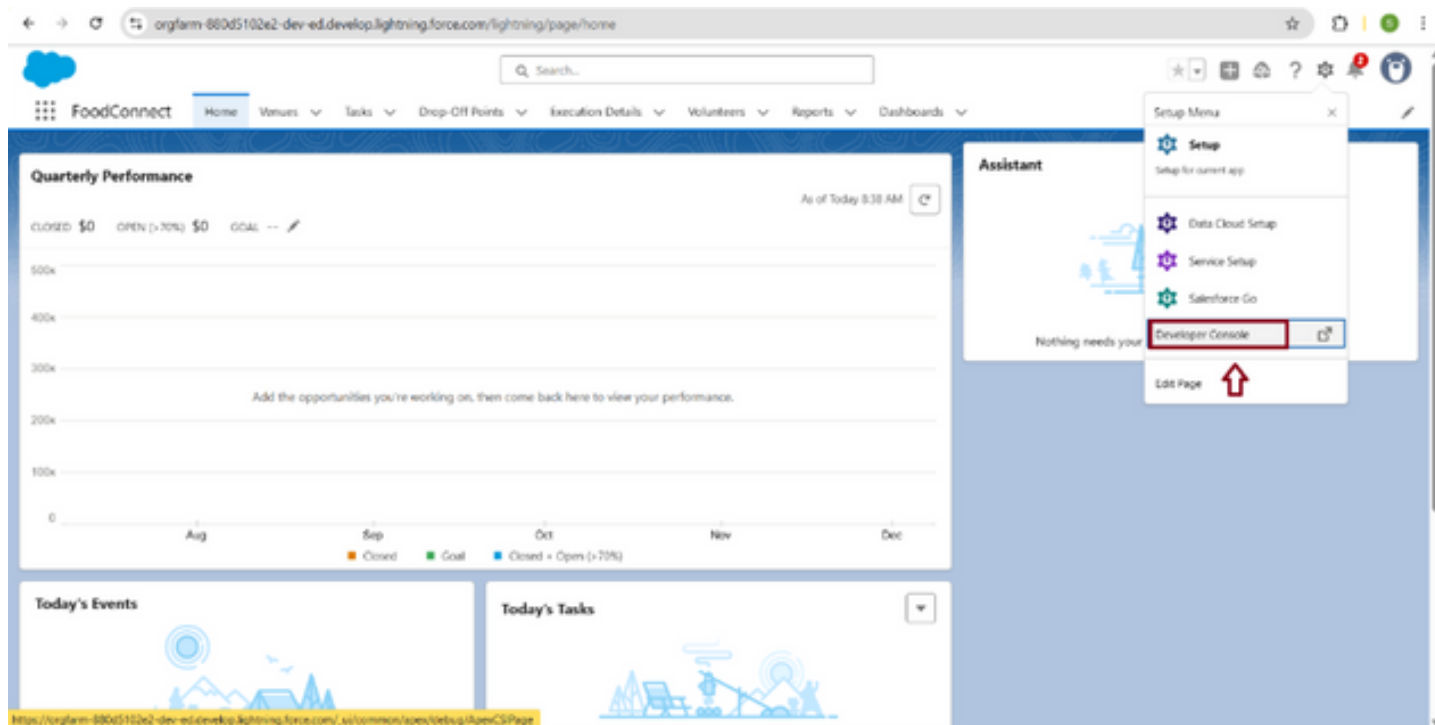




Click save&new in the Venue Object.

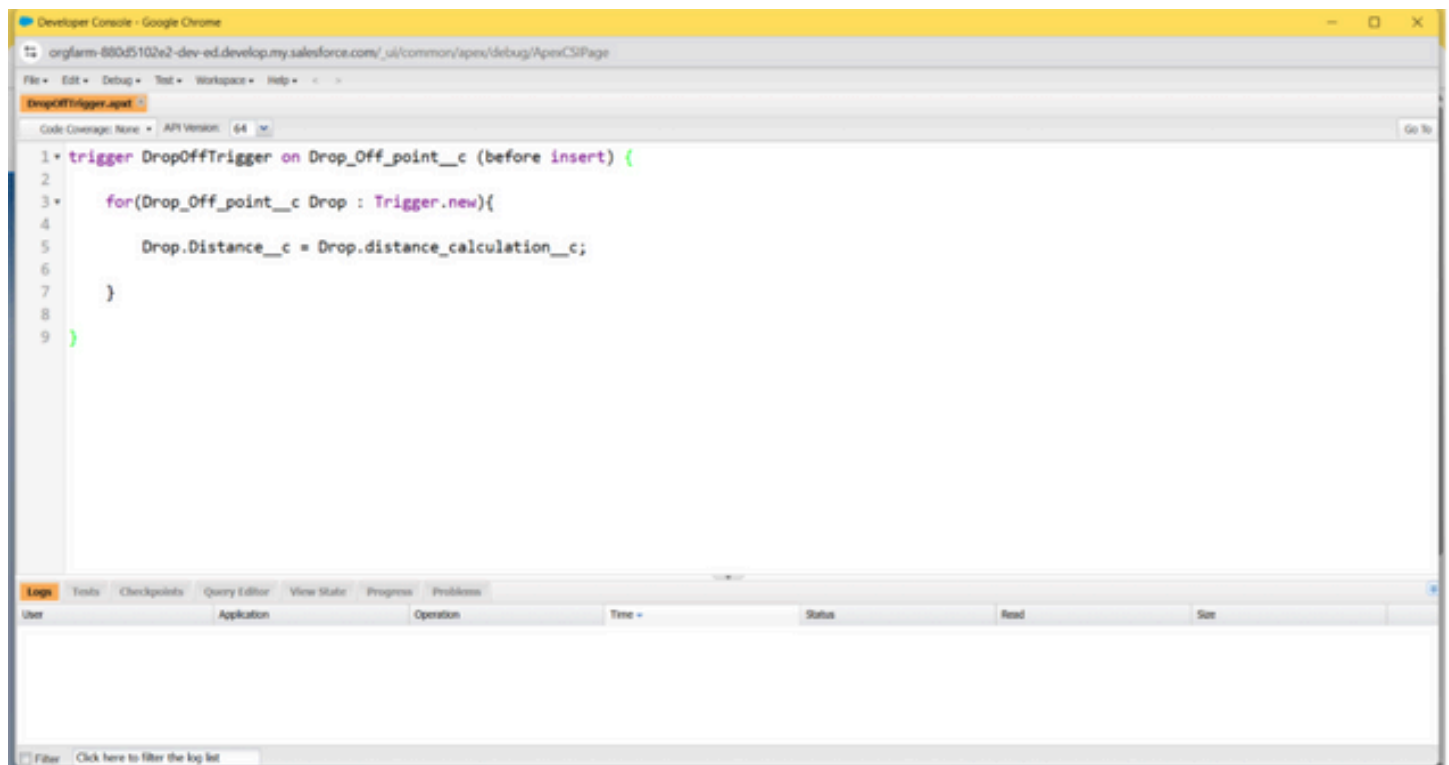
**Create a Trigger:**





Open					
Entity Type	Entities		Related		
	Name	Namespace	Name	Extent	Direction
Classes	DropOffTrigger				
Triggers					
Pages					
Page Components					
Objects					
Static Resources					
Packages					

Open ☐ Filter Filter the repository (\* = any string) ☐ Hide Managed Packages Refresh



## 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;  
    }  
}
```

## Profiles:

org/iam-880d5102e2-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/home

Setup Home Object Manager

Profiles

Profiles

All Profiles Edit Delete Create New View

New Profile

Action	Profile Name	User License	Custom
<input type="checkbox"/> Edit   Delete	Salesforce API Conn System Integrations	Salesforce Integration	<input checked="" type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Silver Partner User	Silver Partner	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Solution Manager	Salesforce	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Standard Platform User	Salesforce Platform	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	Standard User	Salesforce	<input type="checkbox"/>
<input type="checkbox"/> Edit   Clone	System Administrator	Salesforce	<input type="checkbox"/>

14 of 6 0 Selected Page 1 of 1

org/iam-880d5102e2-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/page?address=%2F\_u%2Fperm%2Fu%2Fprofile%2FprofileClone%2F%3Fid%3D0000040xGL...

Setup Home Object Manager

Profiles

Clone Profile

Enter the name of the new profile.

You must select an existing profile to clone from.

Existing Profile: Standard User  
User License: Salesforce  
Profile Name:

Save Cancel

Setup Home Object Manager

Search Setup

Users

Permission Set Groups  
Permission Sets  
Profiles  
Public Groups  
Quotas  
Roles  
User Management Settings  
**Users**  
Feature Settings  
Data.com  
Prospector  
Service  
Embedded Service  
Messaging for In-App and Web User Verification  
User Interface  
Action Link Templates

## Users

On this page you can create, view, and manage users.  
To get more scanners, use the Your Account app. Let's Go

View: (All Users) Edit Create New User

New User Reset Permissions Add Multiple Users

Active	Full Name	Alias	Username	Role	Action	Profile
<input type="checkbox"/>	Challen, Zane	Challen	challen.zane@salesforce.com		<input checked="" type="checkbox"/>	Challen.Zane User
<input type="checkbox"/>	System Administrator	System Administrator	system.admin@salesforce.com		<input checked="" type="checkbox"/>	System Administrator
<input type="checkbox"/>	System Administrator	System Administrator	system.admin@salesforce.com		<input checked="" type="checkbox"/>	System Administrator
<input type="checkbox"/>	User, Integration	User, Integration	user.integration@salesforce.com		<input checked="" type="checkbox"/>	Analytics Cloud Integration User
<input type="checkbox"/>	User, Research	User, Research	user.research@salesforce.com		<input checked="" type="checkbox"/>	Analytics Cloud Research User

New User Reset Permissions Add Multiple Users

Setup Home Object Manager

Search Setup

Users

Permission Set Groups  
Permission Sets  
Profiles  
Public Groups  
Quotas  
Roles  
User Management Settings  
**Users**  
Feature Settings  
Data.com  
Prospector  
Service  
Embedded Service  
Messaging for In-App and Web User Verification  
User Interface  
Action Link Templates

## New User

User Edit Save Save & New Cancel

General Information Required Information

First Name Last Name Alias Email Username Nickname Title Company Department Division

Role: (None Specified)  
User License: Identity  
Profile: (None)  
Active: ☒  
Working User: ☐  
Office User: ☐  
Knowledge User: ☐  
Flow User: ☐  
Service Cloud User: ☐  
Site.com Contributor User: ☐  
Site.com Publisher User: ☐  
MOC User: ☐  
Data.com User Type: (None)  
Data.com Monthly Addition Link: (Default Limit 300)  
Accessibility Mode (Classic Only): ☐  
Work Forecast Policies on Churn: ☐





org/iam-80045100e2-dev-ed.develop/lightning/setup/PublicGroups/page?address=7627setup%2Fown%2Fgroupedit.jsp%2Fset%2F%3D%252Fp%252Fown%252FOrgPublic...

Setup Home Object Manager

Public Groups

Public Groups

Feature Settings

Salesforce Files

Content Deliveries and Public Links

Company Settings

Calendar Settings

Public Calendars and Resources

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

## Public Groups

Group Membership

### New Group

Group Information

New Public Group

Label:

Group Name:

Grant Access Using:

Description:

Search:

Available Members

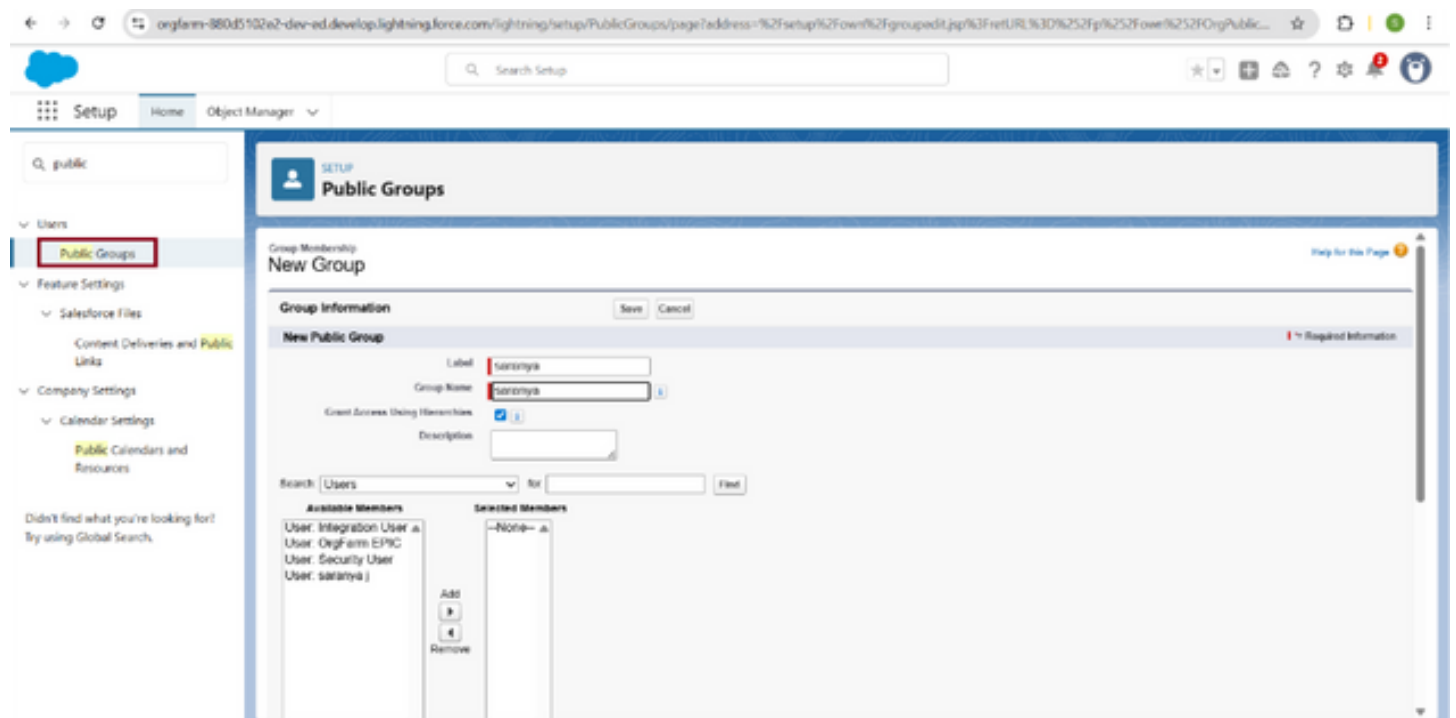
- User: Integration User
- User: Org/iam CPSC
- User: Security User
- User: SubGroup

Selected Members

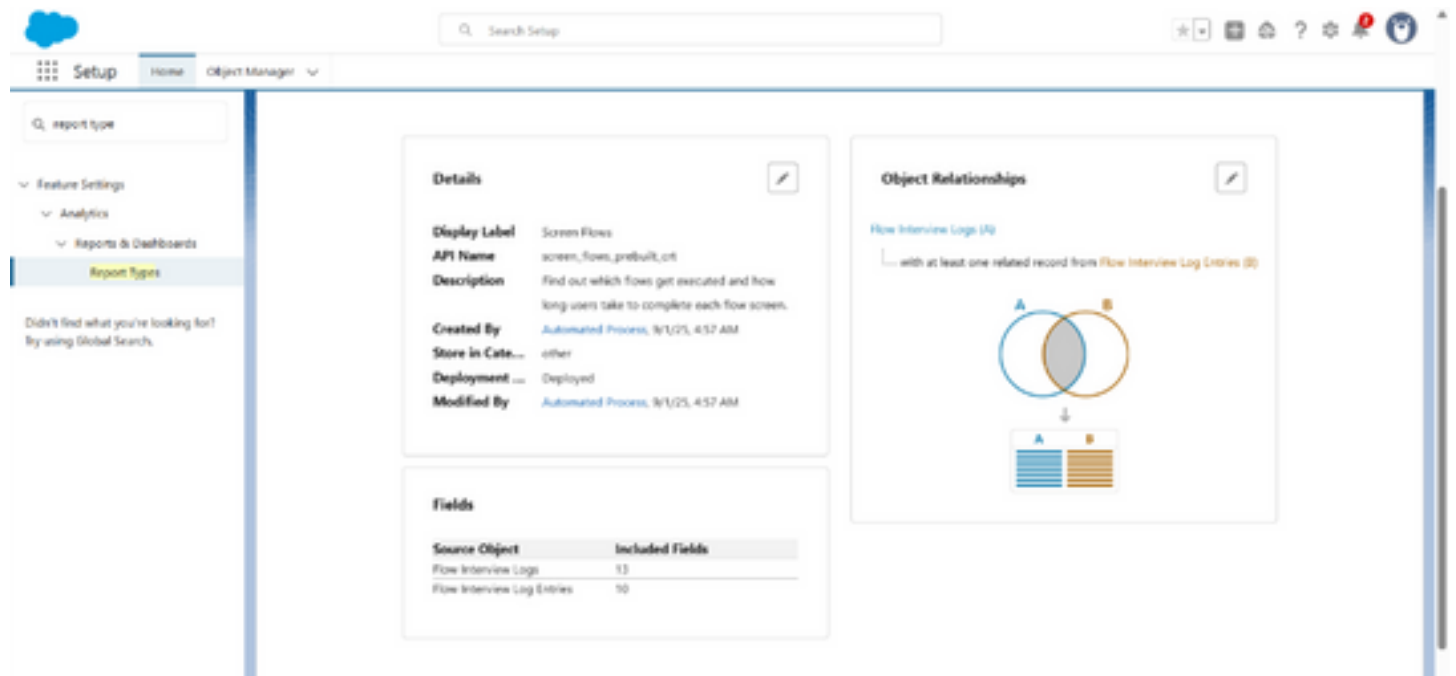
Add

Remove

## Creation of Report Types:



The screenshot shows the Salesforce Setup interface for creating a new Public Group. The left sidebar contains a search bar with 'public' and a list of categories: Users, Public Groups (highlighted), Feature Settings, Salesforce Files, Content Deliveries and Public Links, Company Settings, and Calendar Settings. The main content area is titled 'Public Groups' and 'New Group'. It includes a 'Group Information' section with fields for Label, Group Name, and Description. Below this is a search bar for 'Users' and a list of 'Available Members' including 'User: Integration User A', 'User: OrgFam EPMC', 'User: Security User', and 'User: saranya'. There are 'Add' and 'Remove' buttons between the available and selected members lists. The 'Selected Members' list is currently empty.



The screenshot shows the Salesforce Setup interface for Report Types. The left sidebar contains a search bar with 'report type' and a list of categories: Feature Settings, Analytics, Reports & Dashboards, and Report Types (highlighted). The main content area is titled 'Report Types' and shows details for the 'Screen Flows' report type. The 'Details' section includes fields for Display Label, API Name, Description, Created By, Store in Catalog, Deployment, and Modified By. The 'Fields' section shows a table with Source Object and Included Fields. The 'Object Relationships' section shows a diagram of two overlapping sets, A and B, representing the relationship between 'Flow Interview Logs' and 'Flow Interview Log Entries'.

Source Object	Included Fields
Flow Interview Logs	13
Flow Interview Log Entries	10



Setup

Home

Object Manager

Search Setup

Report type Venue with DropOff with Volunteer was created.

Custom Report Types

Venue with DropOff with Volunteer

Preview Layout

Edit Layout

Clone

Delete

Close

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

Display Label

Venue with DropOff with Volunteer

API Name

Venue\_with\_DropOff\_with\_Volunteer

Description

Venue with DropOff with Volunteer

Created By

seranya | 9/5/25, 11:49 AM

Store in Cate...

other

Deployment ...

Deployed

Modified By

seranya | 9/5/25, 11:49 AM

Object Relationships

Venues (Q)

...with or without related records from Drop-Off Points (R)

A

B

FoodConnect

Home

Venues

Tasks

Drop-Off Points

Execution Details

Volunteers

Reports

Dashboards

Search...

Reports

Recent

0 items

Search recent reports...

New Report

New Folder

REPORTS

Recent

Created by Me

Private Reports

Public Reports

All Reports

FOLDERS

All Folders

Created by Me

Shared with Me

FAVORITES

All Favorites

Create folder

\* Folder Label

Custom Reports

\* Folder Unique Name

CustomReports

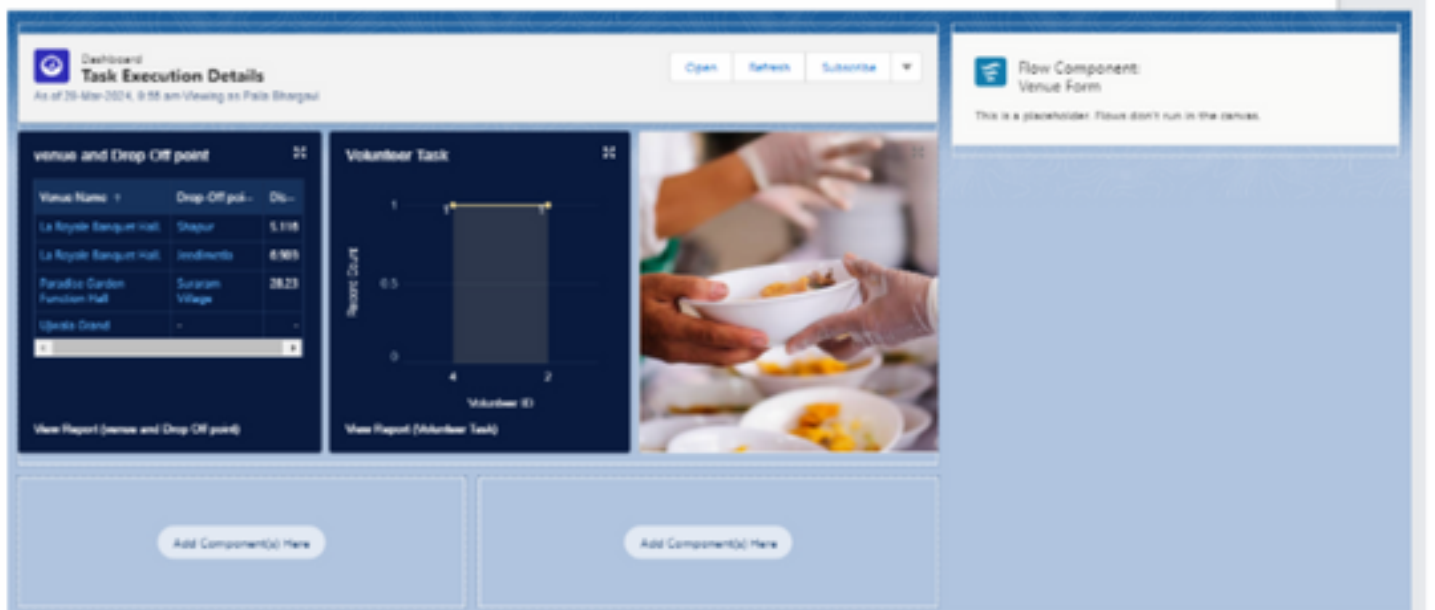
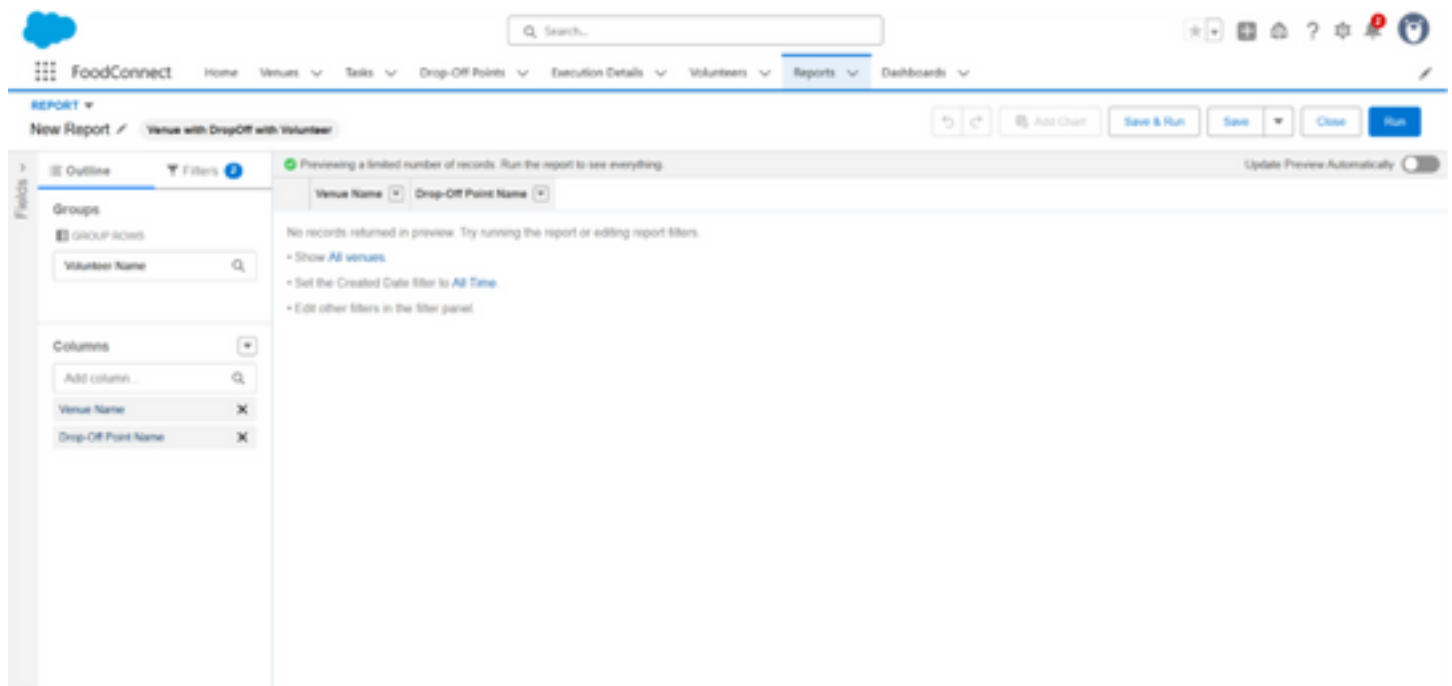
Cancel

Save

Recent reports appear here

Go to All Reports to see what's available.

View All Reports



## CONCLUSION:

By leveraging the Salesforce platform, the project successfully as the established a streamlined and transparent system for a managing surplus food donations. Through efficient of a coordination with volunteers and timely delivery to the beneficiaries, the project effectively addressed foods are insecurity while maximizing the utilization of available resources.

THANK YOU!