

TO SUPPLY LEFTOVER FOOD TO POOR

COLLEGE NAME: AVP COLLEGE OF ARTS AND
SCIENCE

COLLEGE CODE: bruaj

TEAM ID: NM2025TMID25424

TEAM MEMBERS: 4

TEAM LEADER: SARANYA.J

EMAIL: saranyajayakumar30@gmail.com

TEAM MEMBER: AGALYA .T.S

EMAIL: agalyathangavel22@gmail.com

TEAM MEMBER: HARSHINI.N

EMAIL: murukesvarinakaraj@gmail.com

TEAM MEMBER: SHANMUGAPRIYA.N

EMAIL:

shanmugapriyaarumugapandiyamma@gmail.com

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 :

<https://developer.salesforce.com/signup>

Creating a developer org in salesforce.

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

Steps
1 Select Type

Customer Support
Sales Coach
Sales Development

A free Salesforce Platform environment with Agentforce and Data Cloud

First name Last name
saranya j

Job title Work email
salesforce saranyajayakumar30

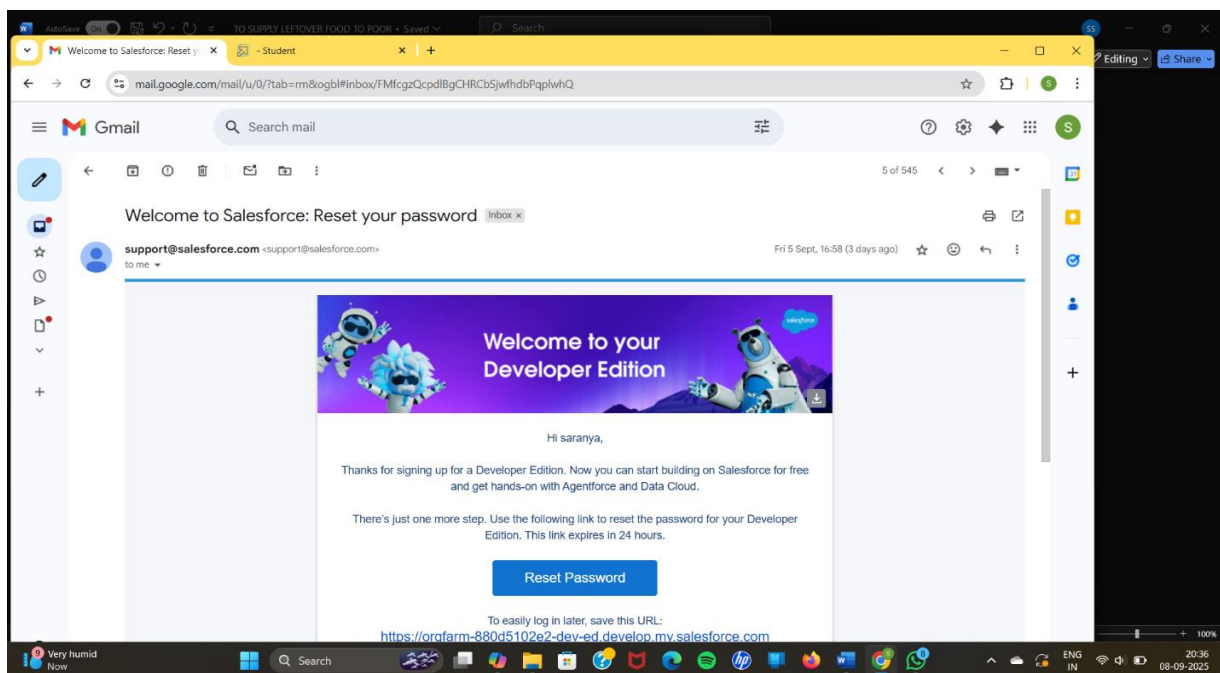
Company Country/Region
AVP college of arts and India

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

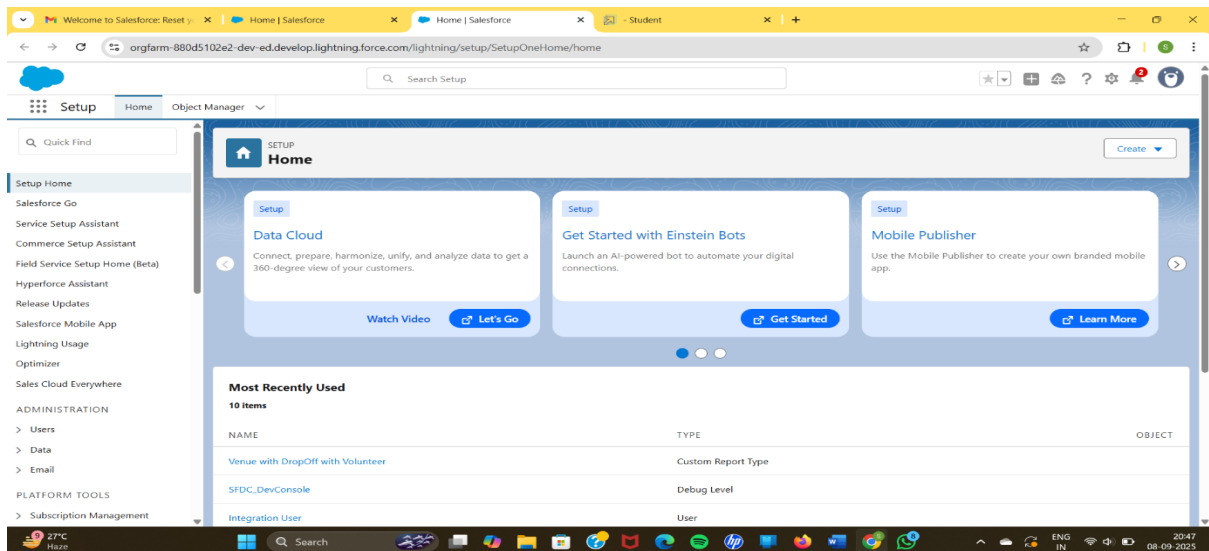
☒ I agree to the Main Services Agreement - Developer Services and Salesforce Program Agreement. I acknowledge, as described in the Developer Documentation: (1) the Developer Edition includes autonomous and other generative AI features; and (2) Salesforce may limit use of those features and the org, and 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

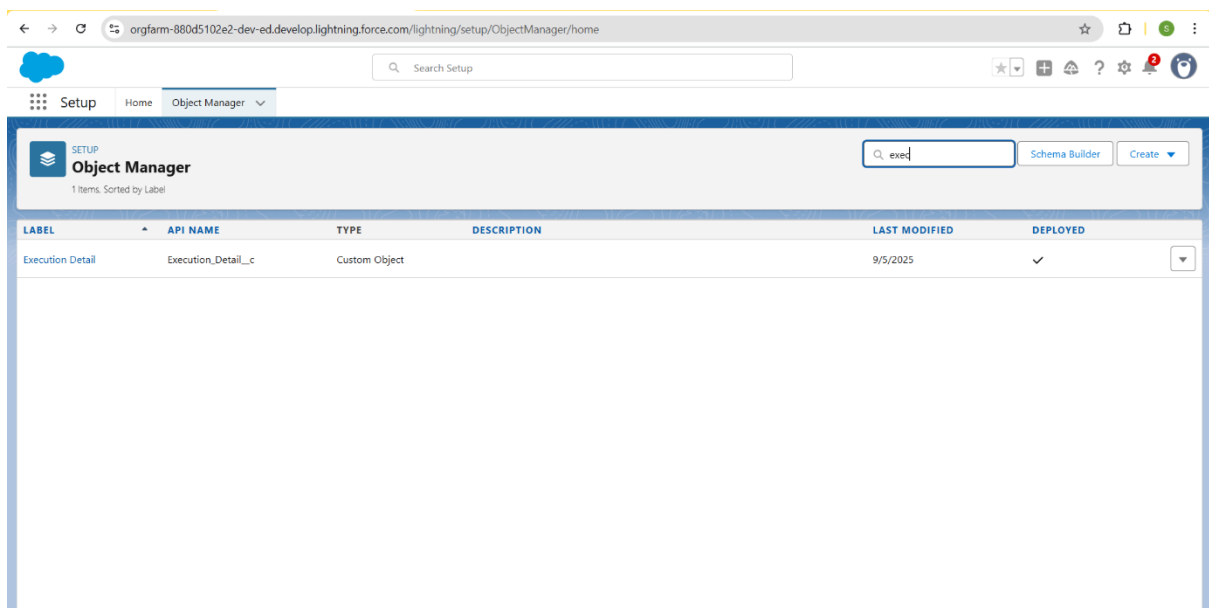


- 1.click on Verify Account
- 2.Give a password and answer a security question and click on change password.
- 3.Give a password and answer a security question and click on change password.
- 4.Then you will redirect to your salesforce setup page.



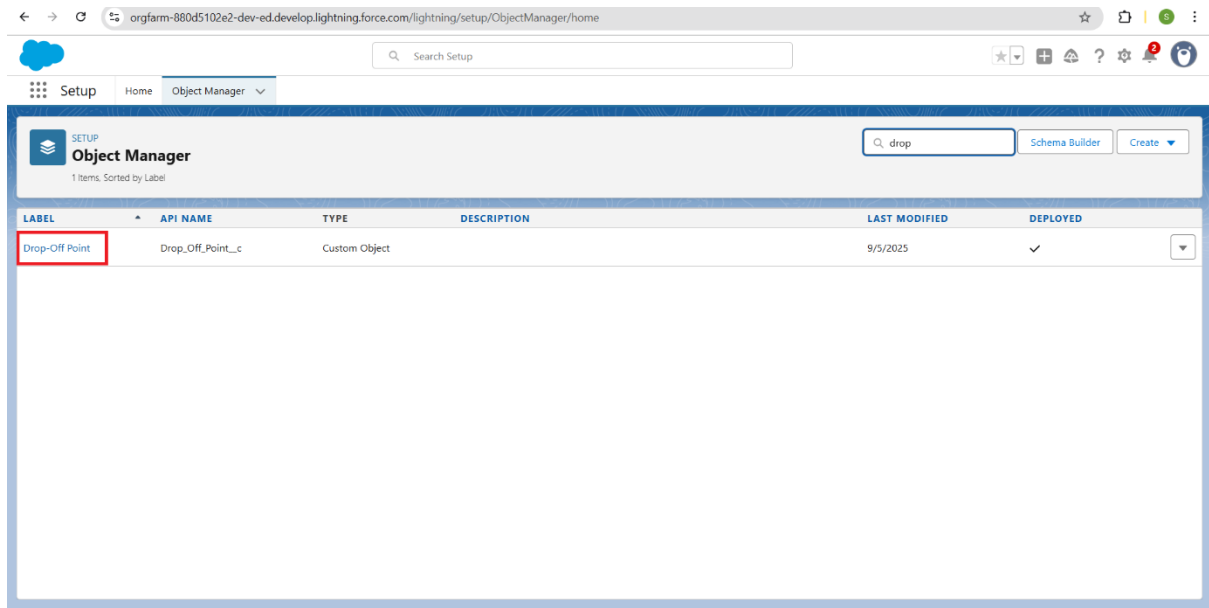
Create Venue Object :

To create an object:



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

Create Drop-Off Point Object

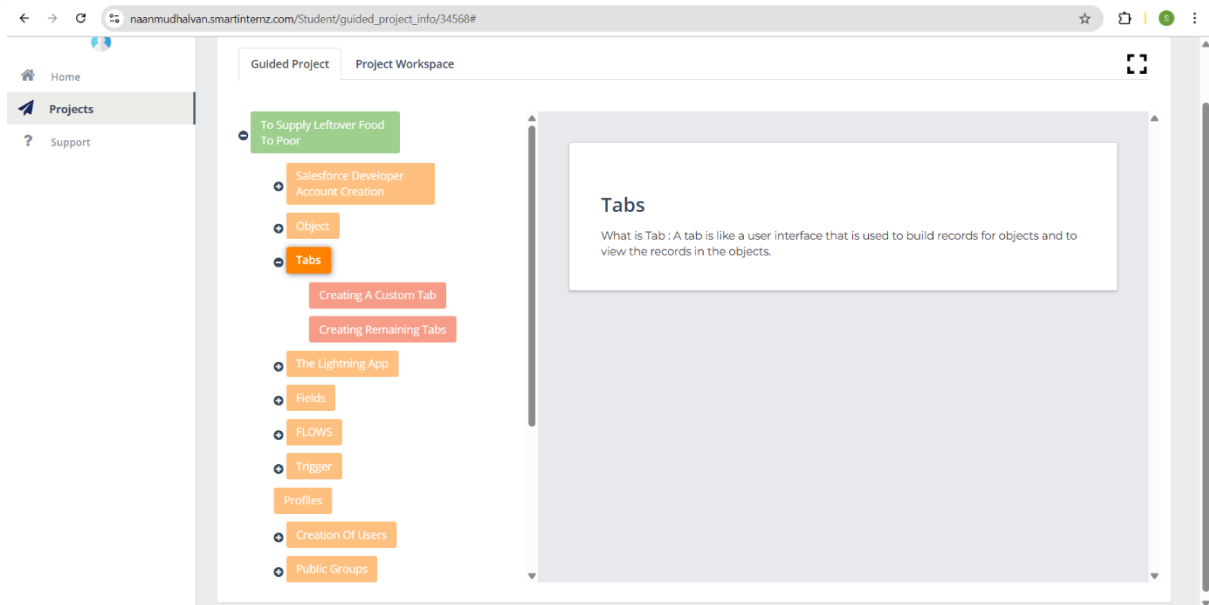


1. Create a Object of Drop-Off point in Custom Object. Enter the label name >> Drop-Off Point
2. Plural label name>> Drop-Off Points
3. Enter Record Name Label and Format
 - Record Name >> Drop-Off point Name
 - Data Type >> Text
2. Click on Allow reports and Track Field History, Allow Activities
3.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

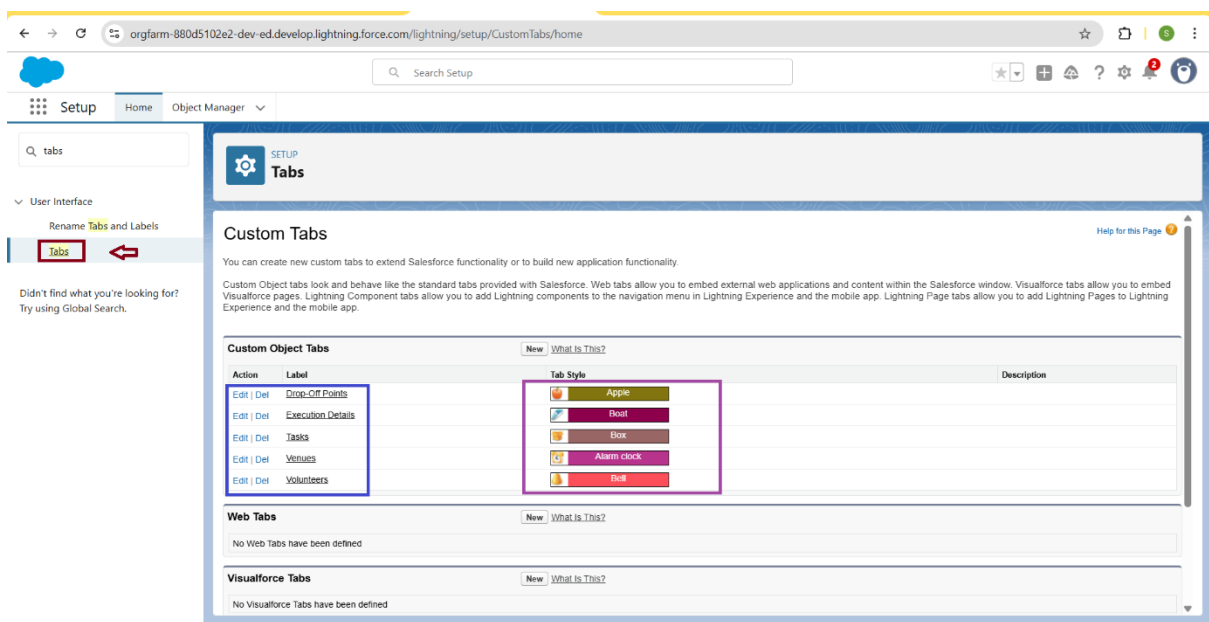
Same as to create a object:

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

And Then Go To Create The tabs:



To create a Tab:(Venue)



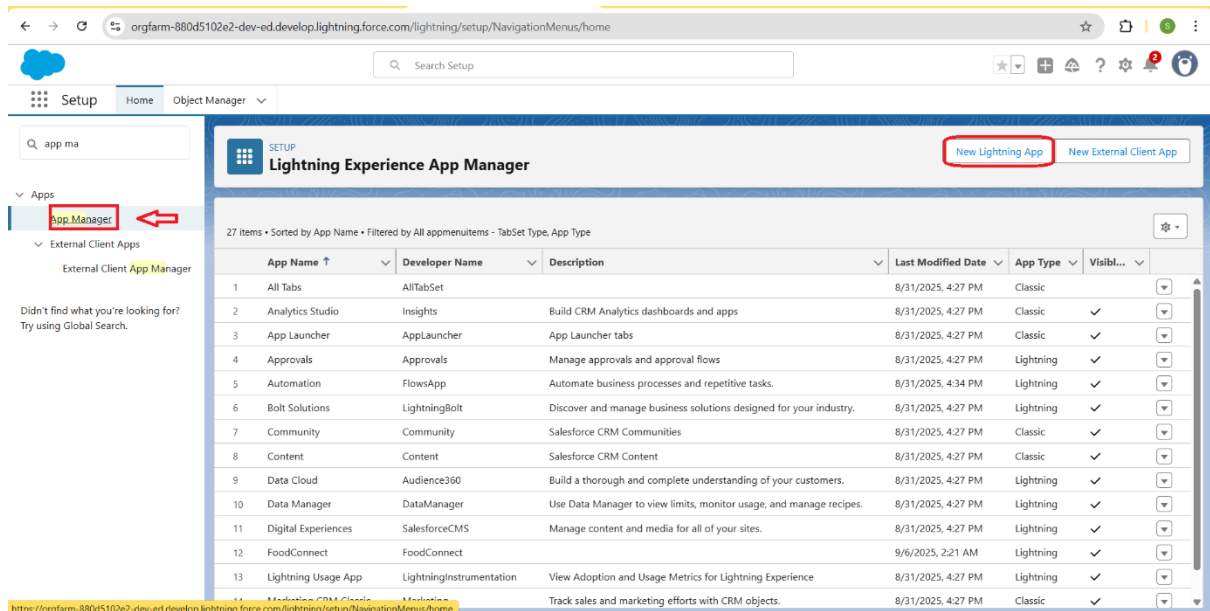
Select Object (Venue) >> Select the tab style >> Next (Add to profiles page) keep it as default >> Next (Add to Custom App) uncheck the a include tab. Make sure that the Append tab to users' existing personal customizations is checked. Click save.

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

The Lightning App :

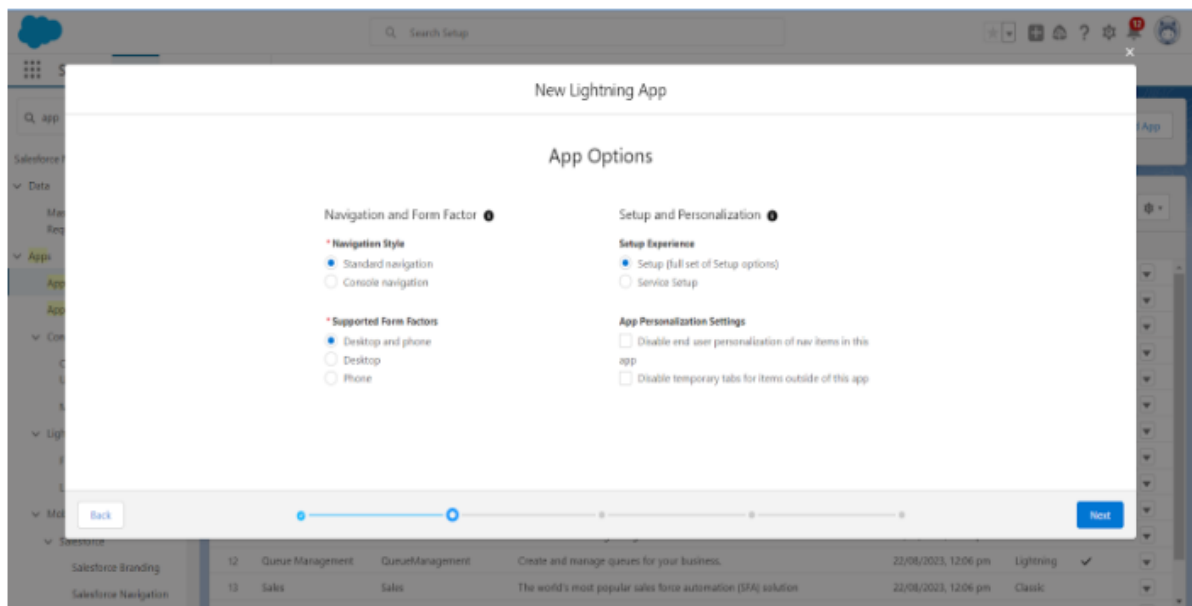
To create a lightning app page:

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.

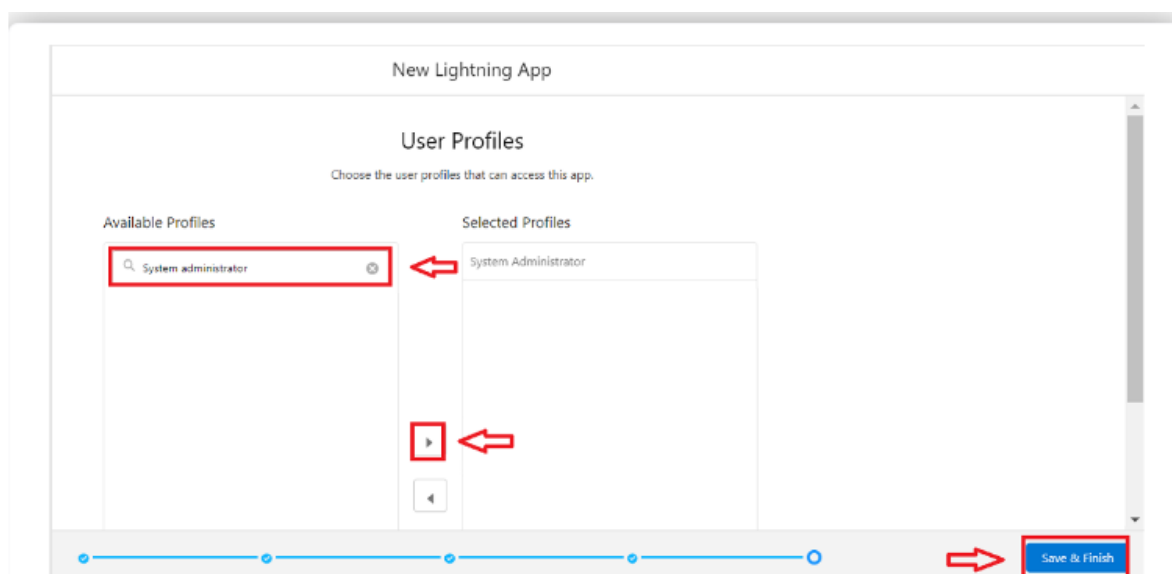
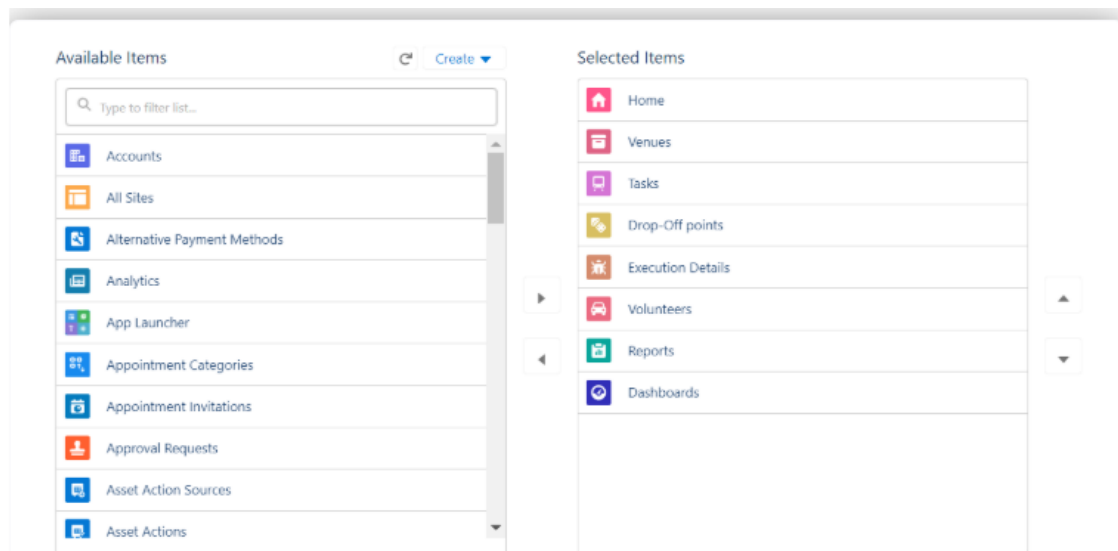
JB



(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:

naanmudhalvan.smartinternz.com/Student/guided_project_info/34568#

Smart Internz

Home Projects Support

Guided Project Project Workspace

Object
Tabs
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

orgfarm-880d5102e2-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK0000022qXd/FieldsAndRelationships/view

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

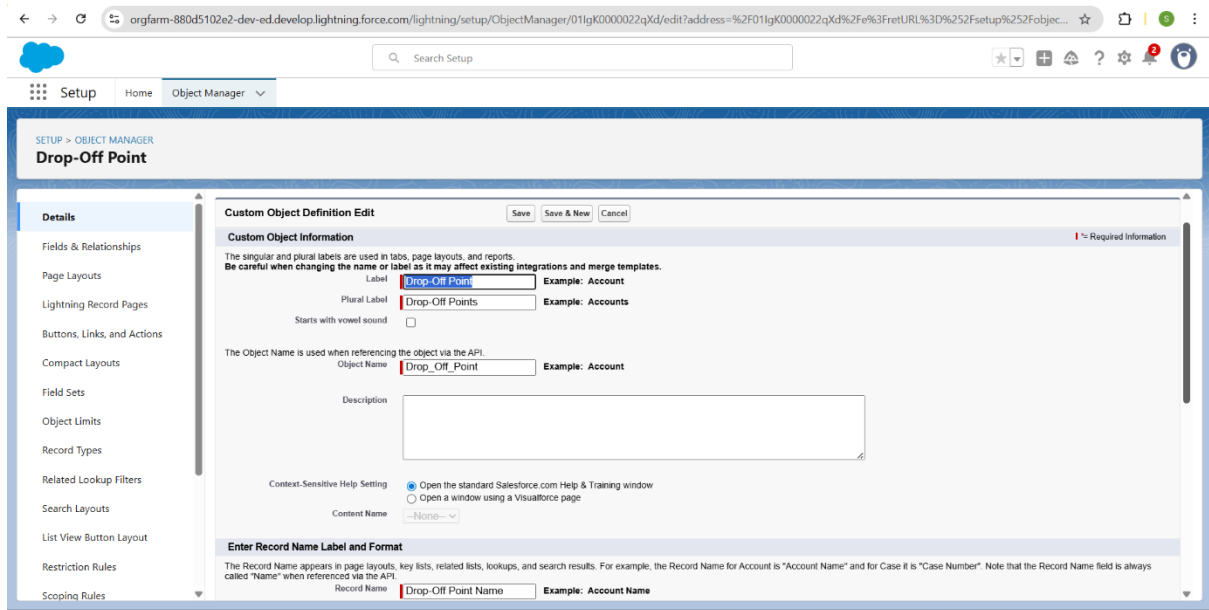
Fields & Relationships
5 Items, Sorted by Field Label

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(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Venue	Venue__c	Lookup(Venue)		✓

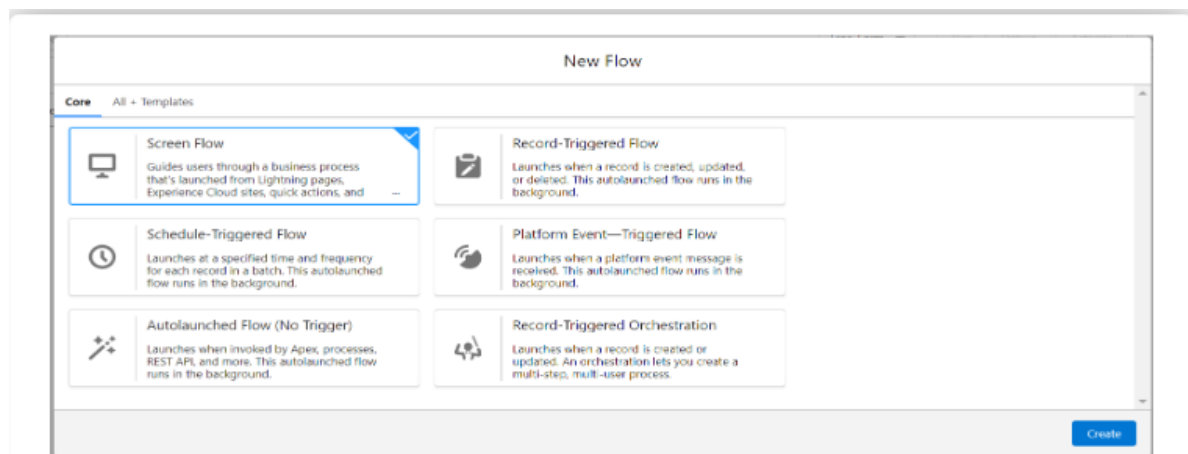
To be create a Drop-Off Point on the Object Manager. search bar to click on the Fields&Relationship and Then click on the New. Select Data type as a "Geolocation" and Click on Next.



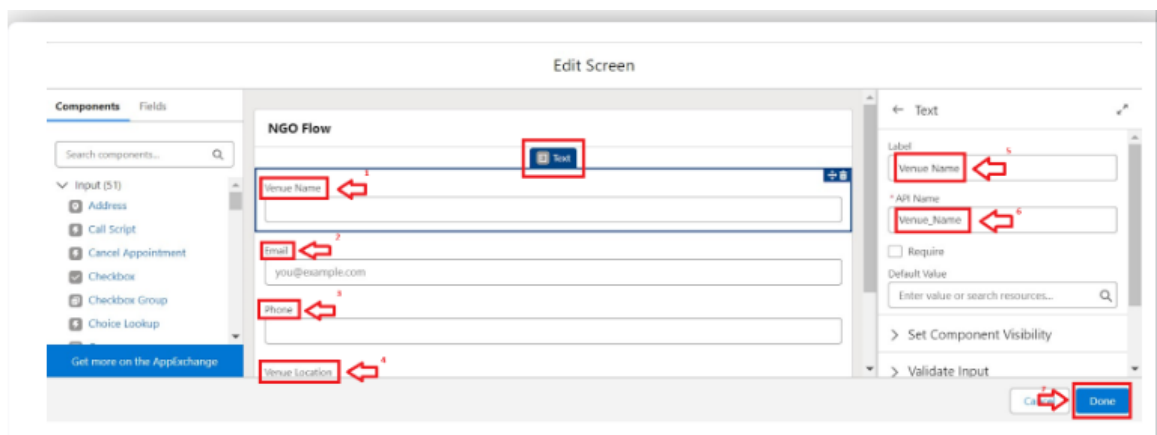
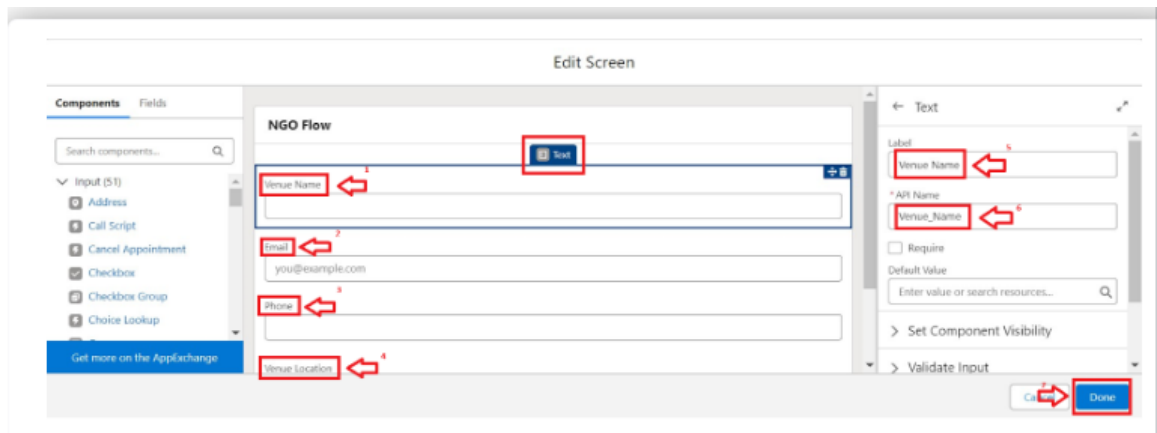
Same step follow the creting Objects:

- 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:

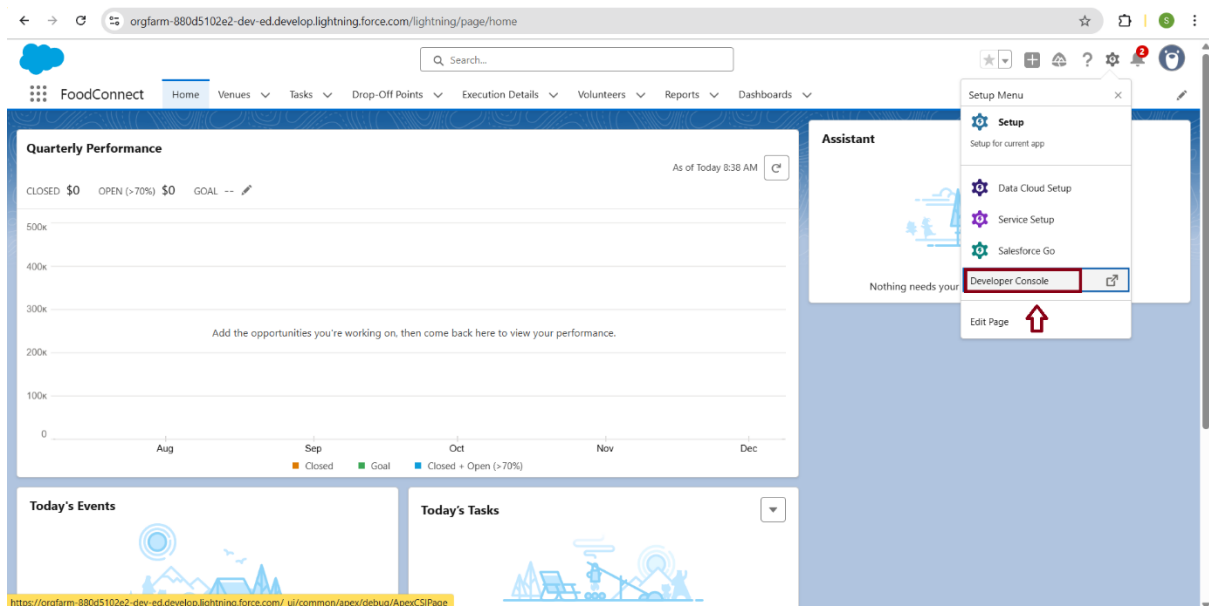


Select the Screen flow. Click on create.



Click save&new in the Venue Object.

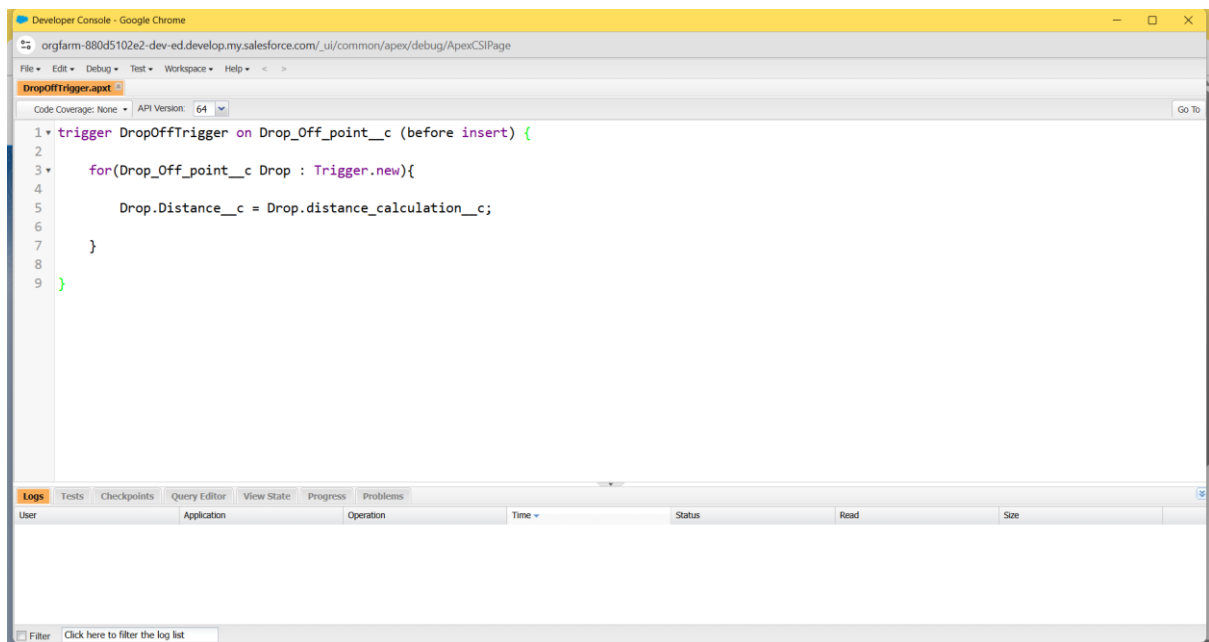
Create a Trigger:



Open

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

Open☐ FilterFilter the repository (* = any string)☐ Hide Managed PackagesRefresh



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:

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

Setup Home Object Manager

Search Setup

Search: profil

Users

Profiles

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

Profiles

All Profiles Edit Delete Create New View

New Profile

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

1-6 of 6 0 Selected

Page 1 of 1

orgfarm-880d5102e2-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/page/address=%2F_u%2Fperms%2Fu%2Fprofile%2FprofileClone%2F%3Fid%3D00004xSL...

Setup Home Object Manager

Search Setup

Search: profil

Users

Profiles

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

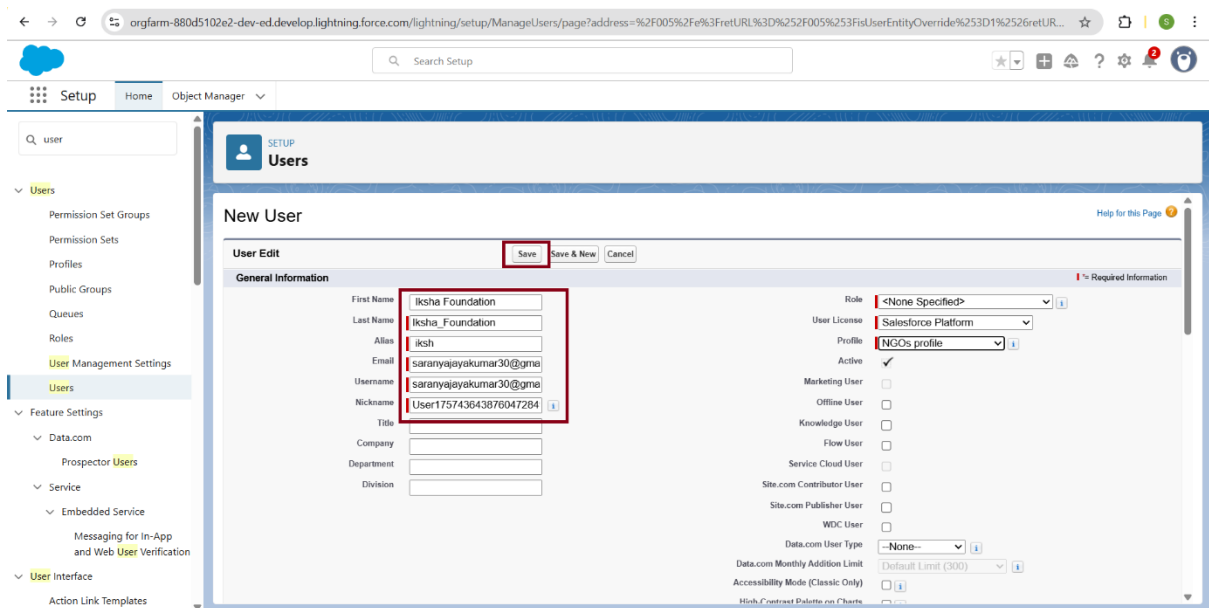
Clone Profile

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	NGOs profile

Save Cancel



orgfarm-880d5102e2-dev-ed.develop.lightning.force.com/lightning/setup/PublicGroups/page?address=%2Fsetup%2Fown%2Fgroupedit.jsp%3FretURL%3D%252Fp%252Fown%252FOrgPublic...

Setup Home Object Manager

public

Users

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

Save Cancel

New Public Group

Label saranya

Group Name saranya

Grant Access Using Hierarchies ☒

Description

Search Users for Find

Available Members

User: Integration User

User: OrgFarm EPIC

User: Security User

User: saranya j

Selected Members

None

Add

Remove

Creation of Report Types:

orgfarm-880d5102e2-dev-ed.develop.lightning.force.com/lightning/setup/PublicGroups/page?address=%2Fsetup%2Fown%2Fgroupedit.jsp%3FretURL%3D%252Fp%252Fown%252FOrgPublic...

Setup Home Object Manager

public

Users

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

Save Cancel

New Public Group

Label saranya

Group Name saranya

Grant Access Using Hierarchies ☒

Description

Search Users for Find

Available Members

User: Integration User

User: OrgFarm EPIC

User: Security User

User: saranya j

Selected Members

None

Add

Remove

orgfarm-880d5102e2-dev-ed.develop.lightning.force.com/lightning/setup/ReportTypes/page?address=%2Fsetup%2FreportTypes%2FnewReportType.jsp%3FretURL%3D%252Fp%252Fown%252FOrgPublic...

Setup Home Object Manager

report type

Feature Settings

Analytics

Reports & Dashboards

Report Types

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

Report Types

Details

Display Label screen Flows

API Name screen_flows_prebuilt_crt

Description Find out which flows get executed and how long users take to complete each flow screen.

Created By Automated Process, 9/1/25, 4:57 AM

Store in Cate... other

Deployment ... Deployed

Modified By Automated Process, 9/1/25, 4:57 AM

Fields

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

Object Relationships

Flow Interview Logs (A)

... with at least one related record from Flow Interview Log Entries (B)

Setup

Home

Object Manager

Search Setup

Report type

Feature Settings

Analytics

Reports & Dashboards

Report Types

Didn't find what you're looking for?

Try using Global Search.

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

saranya j. 9/8/25, 11:49 AM

Store in Cate...

other

Deployment ...

Deployed

Modified By

saranya j. 9/8/25, 11:49 AM

Object Relationships

Venues (A)

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

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](#)

FoodConnect

Home

Venues

Tasks

Drop-Off Points

Execution Details

Volunteers

Reports

Dashboards

Search...

REPORT

New Report

Venue with DropOff with Volunteer

Add Chart

Save & Run

Save

Close

Run

Outline

Filters

Previewing a limited number of records. Run the report to see everything.

Update Preview Automatically

Groups

GROUP ROWS

Volunteer Name

Columns

Add column...

Venue Name

Drop-Off Point Name

Venue Name

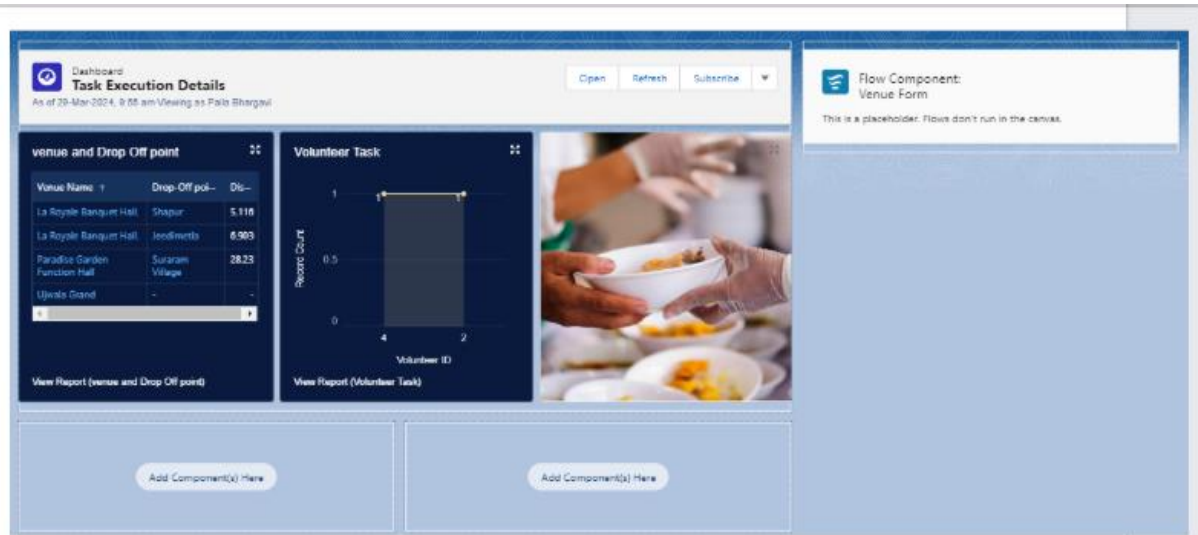
Drop-Off Point Name

No records returned in preview. Try running the report or editing report filters.

Show All venues.

Set the Created Date filter to All Time

Edit other filters in the filter panel.



CONCLUSION:

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

THANK YOU