

# Topic: TO Supply Left Over Food To Poor

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# Introduction

The problem of **food waste** exists globally, often in stark contrast to the persistent issue of **food insecurity** and **poverty**. In many communities, edible and nutritious food is discarded daily by restaurants, caterers, events, and even households, while a significant portion of the population goes hungry.

- **Problem Statement:** The massive scale of food waste coexists with widespread hunger, indicating a critical gap in the food distribution system.
- **Goal:** To establish an efficient, hygienic, and scalable system to **rescue surplus, edible food** and redistribute it to those in need, specifically the poor and vulnerable populations.
- **Significance:** This project addresses two major problems simultaneously: reducing environmental burden from food waste and alleviating hunger, promoting social equity and sustainability.

# Abstract

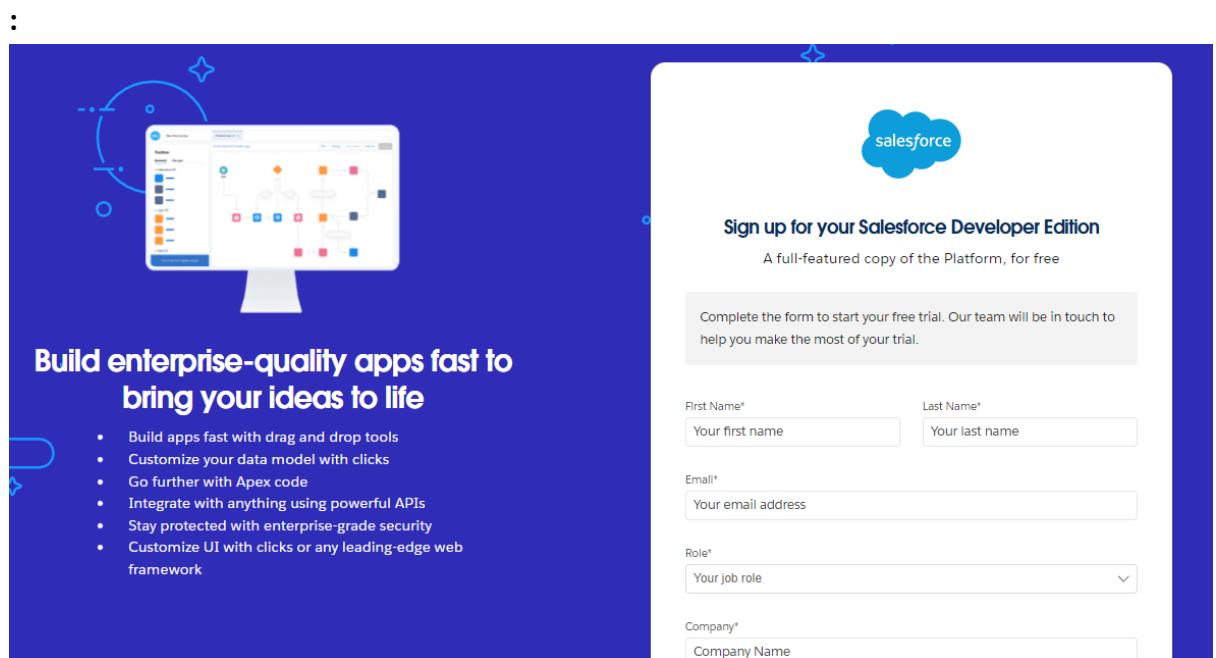
- This project, "**Food Rescue and Redistribution (FRR)**," proposes a systematic, technology-enabled solution to bridge the gap between food surplus and food scarcity. It involves **partnering with food donors** (e.g., hotels, bakeries, corporate cafeterias), establishing a **logistically sound collection and transportation network**, and directly supplying the collected, safe, leftover food to registered **charitable organizations, shelters, or direct distribution points** serving the poor. The core functionality relies on a dedicated app or platform for real-time donor-recipient coordination, ensuring food safety compliance and maximizing efficiency. The expected outcome is a significant reduction in local food waste and a direct, measurable impact on reducing hunger among the underprivileged.

# Creating Developer Account

Creating a developer org in salesforce.

1. Go to <https://developer.salesforce.com/signup>

**2. On the sign up form, enter the following details**



The image consists of two side-by-side screenshots. The left screenshot shows a computer monitor displaying the Salesforce App Builder interface, which includes a canvas for dragging and dropping components and a sidebar with various settings. The right screenshot shows the 'Sign up for your Salesforce Developer Edition' page. This page features the Salesforce logo at the top, followed by a heading and a brief description: 'A full-featured copy of the Platform, for free'. Below this is a text box containing a call to action: 'Complete the form to start your free trial. Our team will be in touch to help you make the most of your trial.' The form itself has five fields: 'First Name\*' (with placeholder 'Your first name'), 'Last Name\*' (with placeholder 'Your last name'), 'Email\*' (with placeholder 'Your email address'), 'Role\*' (with placeholder 'Your job role'), and 'Company\*' (with placeholder 'Company Name').

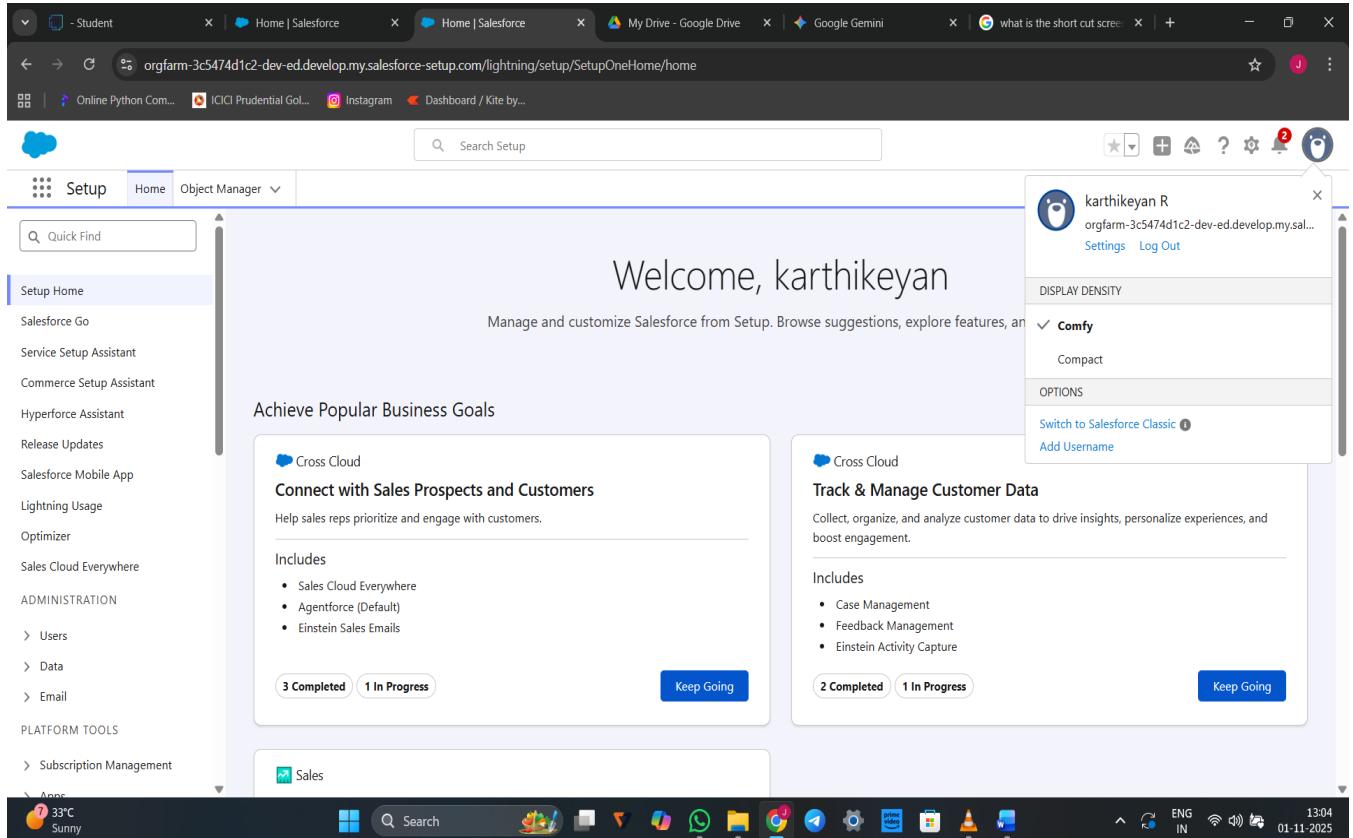
- 1. First name & Last name**
- 2. Email**
- 3. Role : Developer**
- 4. Company : College or Company Name**
- 5. County : India**
- 6. Postal Code : pin code**
- 7. Username : should be a combination of your name and company**

This need not be an actual email id, you can give anything in the format :

**username@organization.com**

**Click on sign me up after filling these.**

## Account Created:



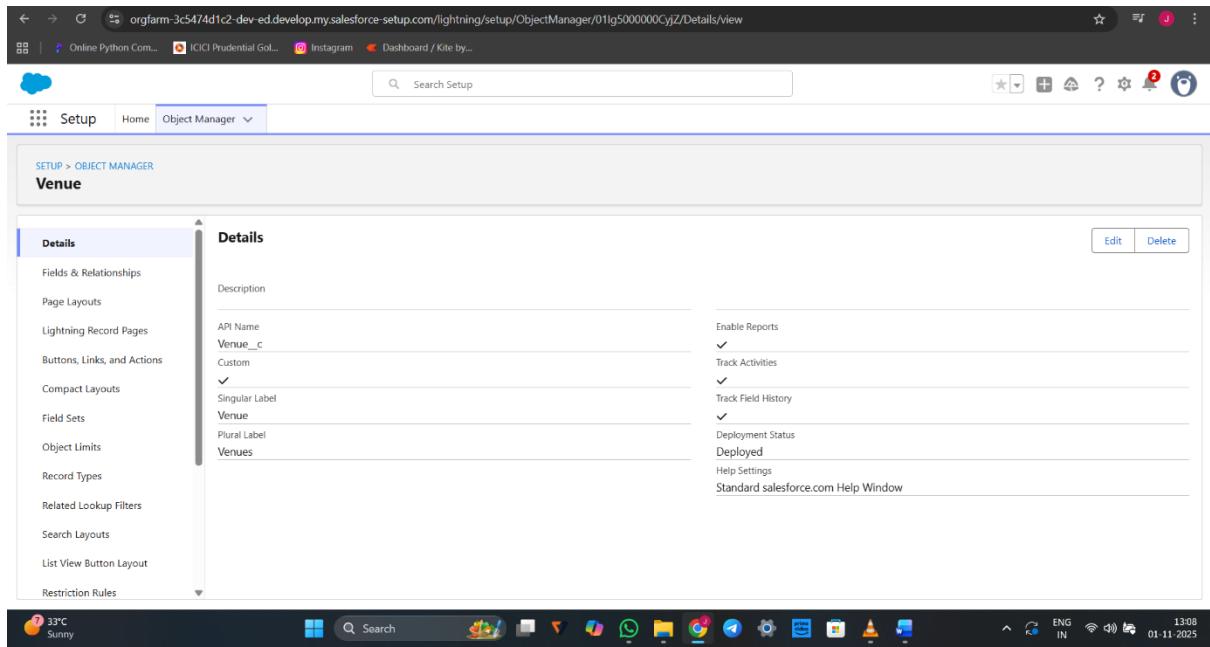
## Create an object:

Create Venue Object:

Create an object:

- 1. From the setup page >> Click on Object Manager >> Click on Create >>Click on Custom Object.**
- 1. Enter the label name >> Venue**
- 2. Plural label name >> Venues**
- 3. Enter Record Name Label and Format**
  - Record Name >> Venue Name**
  - Data Type >> Text**
- 2. Click on Allow reports and Track Field History,Allow Activities.**

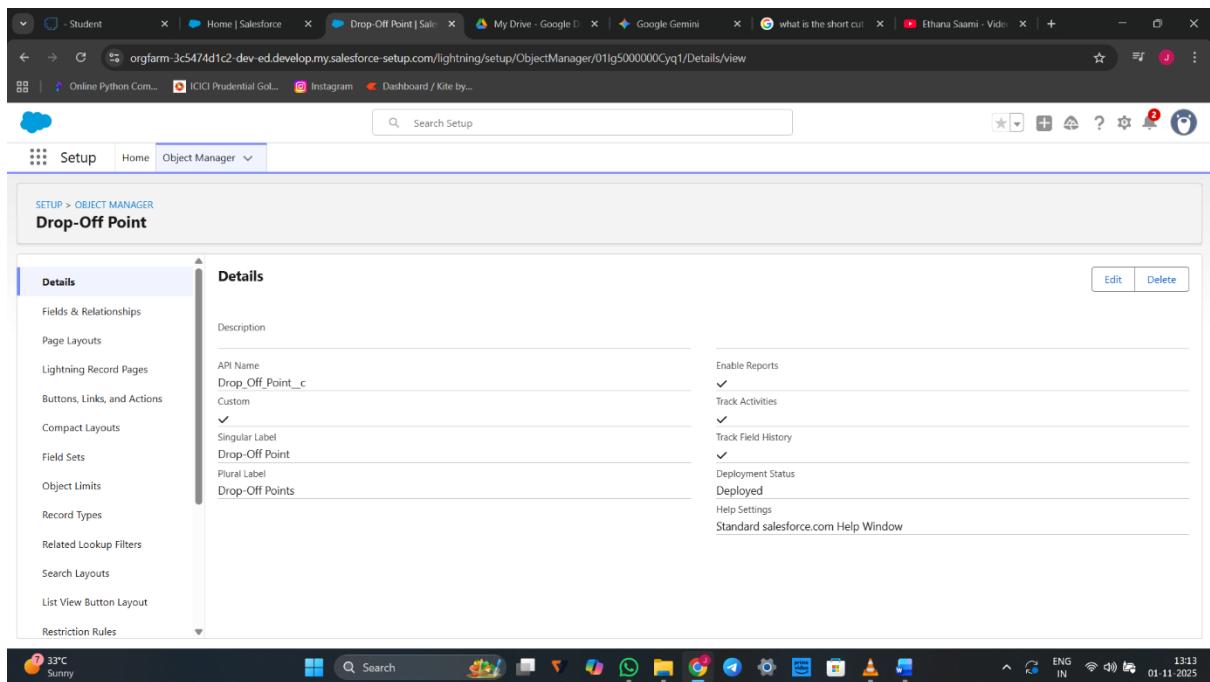
### **3. Allow search >> Save.**



## Create Drop-Off Point Object

To create an object:

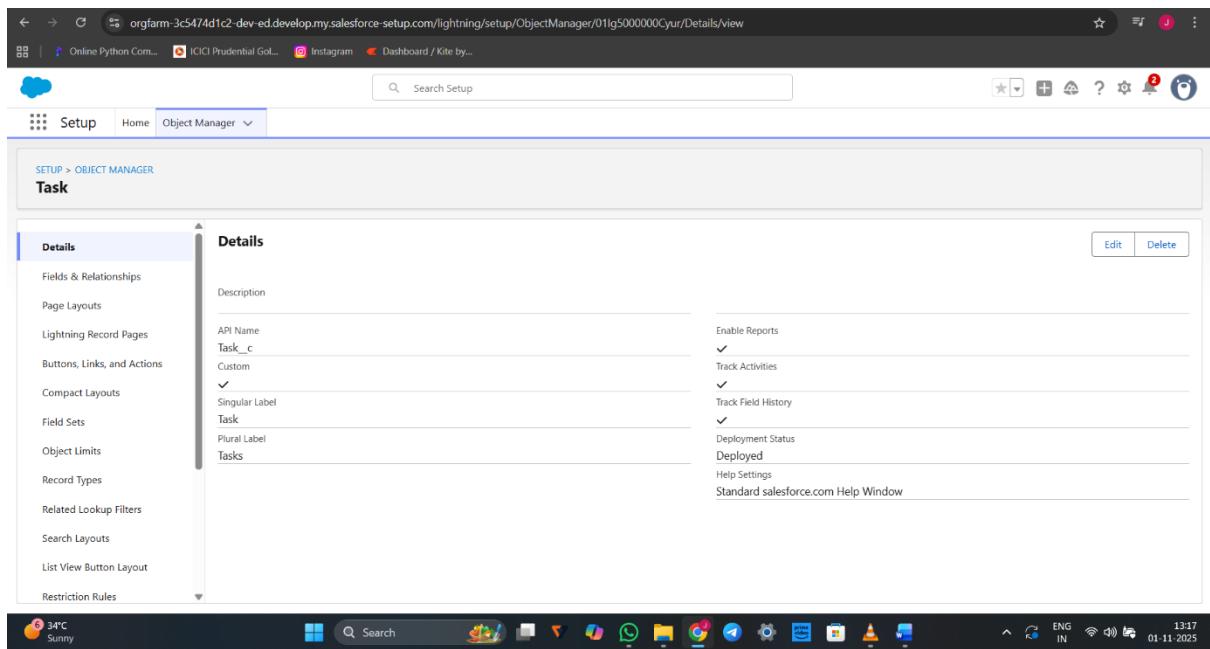
- 1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.**
- 1. Enter the label name >> Drop-Off Point**
- 2. Plural label name>> Drop-Off Points**
- 3. Enter Record Name Label and Format**
  - Record Name >> Drop-Off point Name**
  - Data Type >> Text**
- 2.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



**Drop-off point created**

## To create an object:

- 1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.**
- 1. Enter the label name>> Task**
- 2. Plural label name>> Tasks**
- 3. Enter Record Name Label and Format**
  - Record Name >> Task Name**
  - Data Type >> Text**
- 2. Click on Allow reports and Track Field History,Allow Activities**
- 3. Allow search >> Save.**



## Create Volunteer Object

To create an object:

- 1. From the setup page >> Click on Object Manager>> Click on Create >> Click on Custom Object.**
- 1. Enter the label name>> Volunteer**
- 2. Plural label name>> Volunteers**
- 3. Enter Record Name Label and Format**
  - Record Name >> Volunteer Name**
  - Data Type >> Text**
- 4.Click on Allow reports and Track Field History, Allow Activities**
- 5.Allow search >> Save.**

## Create Execution Details Object

## Creating a Custom Tab

To create a Tab:(Venue)

1. Go to setup page >> type Tabs in Quick Find bar >> click on tabs >> New (under custom object tab)
2. Select Object(Venue) >> Select the tab style >> Next (Add to profiles page) keep it as default >> Next (Add to Custom App) uncheck the include tab .

3. Make sure that the Append tab to users' existing personal customizations is checked.

4. Click save.

Custom Tabs

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

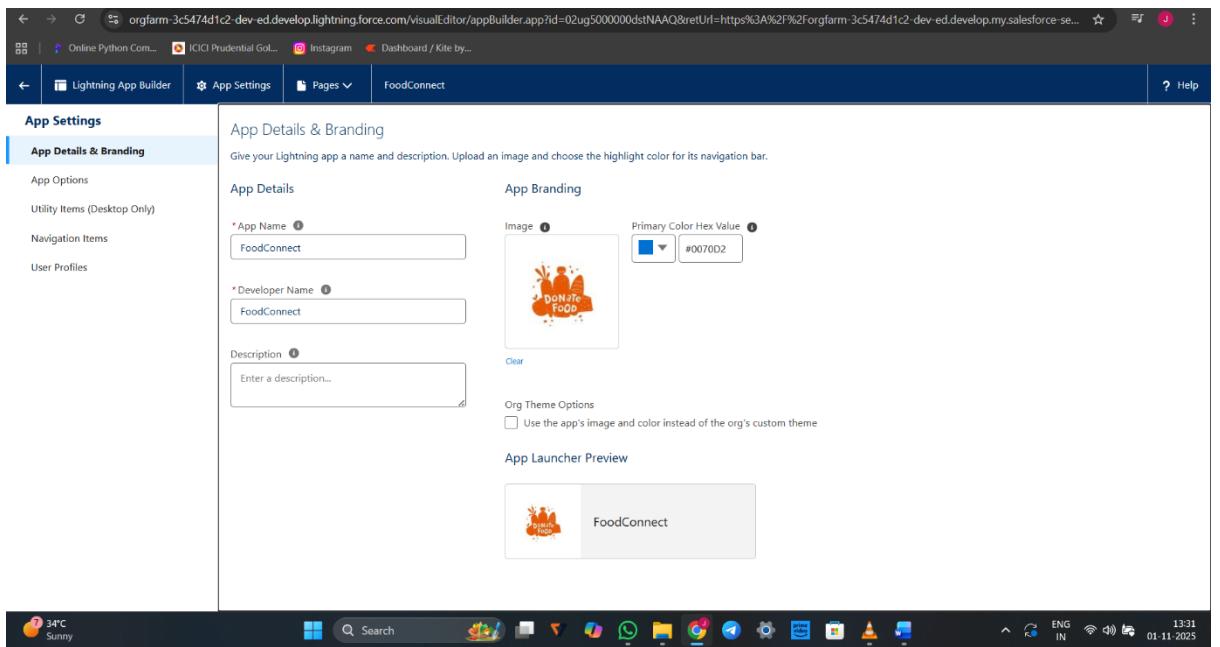
Action	Label	Tab Style	Description
Edit   Del	Drop-Off Points	Airplane	
Edit   Del	Execution Details	Bell	
Edit   Del	Tasks	Alarm clock	
Edit   Del	Venues	Apple	
Edit   Del	Volunteers	Flag	

Action	Label	Tab Style	Description
No Web Tabs have been defined			

## Create a Lightning App

To create a lightning app page:

1. Go to setup page >> search “app manager” in quick find >> select “app manager”  
>> click on New lightning App.
2. Fill the app name in app details and branding as follow  
App Name : FoodConnect  
Developer Name : This will auto populated  
Image : optional (if you want to give any image you can otherwise not mandatory) Primary color hex value : keep this default.
3. Then click Next >> (App option page) Set Navigation Style as Standard Navigation >> Next.



## Creation of Relationship fields in objects:

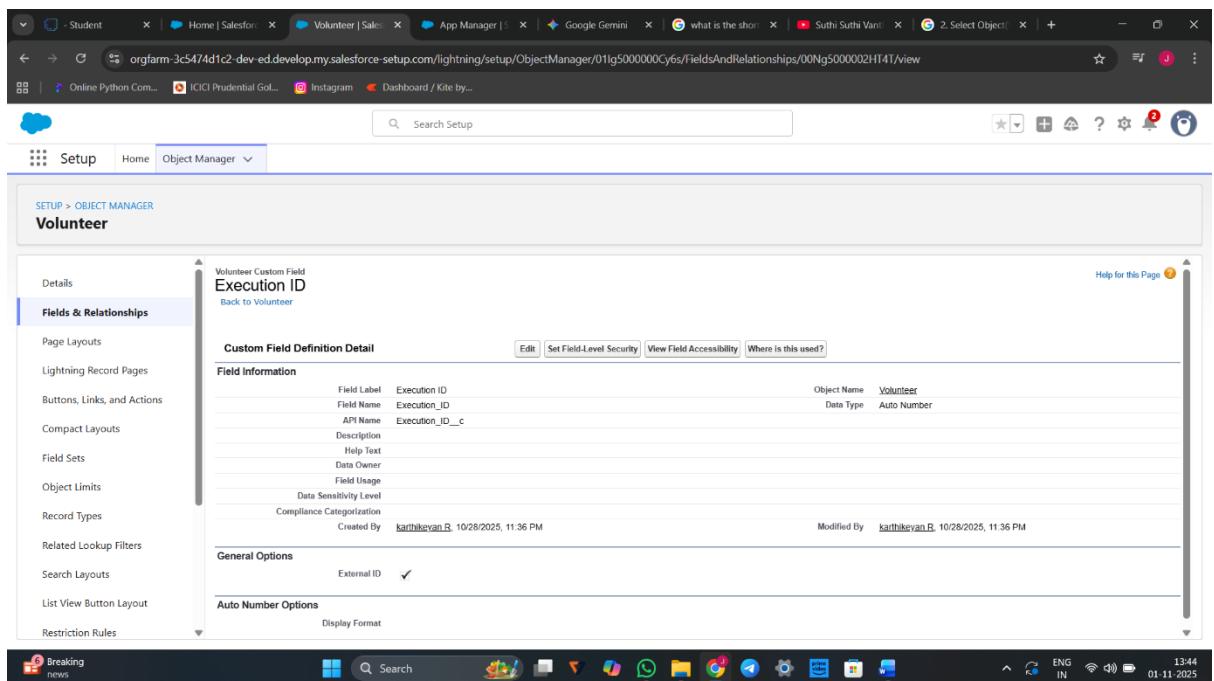
### Creation of Lookup Relationship Field on Volunteer Object :

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in the search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Master Detail relationship
4. Select the related object “Drop-Off point” and click next.
5. Field Name : Drop\_Off\_point
6. Field label : Auto generated
7. Next >> Next >> Save.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address_c	Long Text Area(32768)		
Age	Age_c	Number(18, 0)		
Available On	Available_On_c	Date		
Contact Number	Contact_Number_c	Number(18, 0)		
Created By	CreatedBy	Lookup(User)		
Date of Birth	Date_of_Birth_c	Date		
Drop-Off Point	Drop_Off_Point_c	Lookup(Drop-Off Point)		✓
Email	Email_c	Email		

## Creation of Master Detail Relationship Field on Execution Details Object :

8. Go to setup >> click on Object Manager >> type object name(Execution Details) in the search bar >> click on the object.
9. Now click on “Fields & Relationships” >> New
10. Select Master Detail relationship
11. Select the related object “Volunteer” and click next.
12. Field Name : Volunteer
13. Field label : Auto generated
14. Next >> Next >> Save.



## Creation of Master Detail Relationship Field on Execution Details Object :

15. Go to setup >> click on Object Manager >> type object name(Execution Details) in the search bar >> click on the object.
16. Now click on “Fields & Relationships” >> New
17. Select Master Detail relationship
18. Select the related object “Task” and click next.
19. Field Name : Task
20. Field label : Auto generated
21. Next >> Next >> Save.

## Creation of Lookup Relationship Field on Drop-Off Point Object :

22. Go to setup >> click on Object Manager >> type object name(Drop-Off Point) in the search bar >> click on the object.
23. Now click on “Fields & Relationships” >> New
24. Select Lookup relationship
25. Select the related object “Venue” and click next.
26. Field Name : Venue
27. Field label : Venue\_c
28. Next >> Next >> Save.

The screenshot shows the Salesforce Setup interface. The top navigation bar includes links for Student, Home | Salesforce, Execution Detail, App Manager, Google Gemini, what is the short, Suthee Suthee Vani, 2. Select Object, and various browser tabs. Below the bar are icons for Online Python Com., ICICI Prudential Go..., Instagram, and Dashboard / Kite by... The main area shows the 'Execution Detail' object's fields. On the left, a sidebar lists categories like Details, Fields & Relationships (which is selected), 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, and Restriction Rules. The right pane displays a table titled 'Fields & Relationships' with 5 items, sorted by Field Label. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The data is as follows:

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)		
Task	Task_c	Master-Detail(Task)		✓
Volunteer	Volunteer_c	Master-Detail(Volunteer)		✓

## Creation of fields for the Venue object

1. Go to setup>> click on Object Manager >> type object name(Venue) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Email” and Click on Next
4. Fill the Above as following:
  - Field Label : Contact Email
  - Field Name : Contact Email

- Click on required check box
- Click on Next >> Next >> Save and new

### **To create another fields in an object:**

5. Go to setup >> click on Object Manager >> type object name(Venue) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New
7. Select Data type as a “Phone” and Click on Next
8. Fill the Above as following:
  - Field Label : Contact Phone
  - Field Name : Contact Phone
  - Click on required check box
  - Click on Next >> Next >> Save and new.

### **To create another fields in an object:**

1. Go to setup >> click on Object Manager >> type object name(Venue) 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
  - Decimal Places : 4
  - Field Name : Location
  - Description : Enter the Geolocation of your Venue
  - Click on Next >> Next >> Save and new.

## To create another fields in an object:

8.Go to setup >> click on Object Manager >> type object name(Venue) in search bar >> click on the object.

9. Now click on “Fields & Relationships” >> New

10. Select Data type as a “Long Text Area” and Click on Next

11. Fill the Above as following:

- Field Label : Venue Location
- Field Name : Venue\_Location
- Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Setup interface with the following details:

- Page Header:** Student, Home | Salesforce, Venue | Salesforce, App Manager | S, Google Gemini, what is the short, Suthi Suthi Vanit, 2. Select Object.
- Search Bar:** Search Setup
- Top Navigation:** Setup, Home, Object Manager
- Breadcrumbs:** SETUP > OBJECT MANAGER
- Object Name:** Venue
- Left Sidebar:** Details, Fields & Relationships (selected), 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.
- Table:** Fields & Relationships (8 Items, Sorted by Field Label)

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)		✓
- Bottom:** Finance headline, India reported 11..., Search, and various system icons.

## Creation of fields for the Drop-Off point object

1.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:**

1. 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 “Formula” and Click on Next
4. 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.

### **To create another fields in an object:**

5. Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New
7. Select Data type as a “Picklist” and Click on Next
8. Fill the Above as following:
  - Field Label : State
  - Field Name : State
  - Enter values, with each value separated by a new line :

Arunachal Pradesh

Assam

Bihar

Chhattisgarh

Goa

Gujarat

Haryana

Himachal Pradesh

Jharkhand

Karnataka

Kerala

Maharashtra

Madhya Pradesh

Manipur

Meghalaya

Mizoram

Nagaland

Odisha

Punjab

Rajasthan

Sikkim

Tamil Nadu

The screenshot shows the Salesforce Setup interface with the URL <https://orgfarm-3c474d1c2-dev-ed.develop.my.salesforce.com/lightning/setup/ObjectManager/01lg5000000Cyq1/FieldsAndRelationships/view>. The page title is "Drop-Off Point". The left sidebar shows "SETUP > OBJECT MANAGER" and "Drop-Off Point". The main content area is titled "Fields & Relationships" with 9 items. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Distance	Distance__c	Number(10, 3)		
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		

## Creation of fields for the Task object

1. Go to setup >> click on Object Manager >> type object name (Task) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Auto Number” and Click on Next
4. Fill the Above as following:

- Field Label : Task ID
- Display Format : TASK-{0}
- Starting Number : 1
- Field Name : gets auto generated
- Click on required check box
- Click on Next >> Next >> Save and new.

## To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name (Task) in search bar >> click on the object.

2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Date” and Click on Next
4. Fill the Above as following:
  - Field Label : Date
  - Field Name : Date
  - Click on required check box
  - Click on Next >> Next >> Save and new.

### To create another fields in an object:

5. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New
7. Select Data type as a “Picklist (Multi-Select)” and Click on Next
8. Fill the Above as following:
  - Field Label : Food Category
  - Field Name : Food Category
  - Enter values, with each value separated by a new line :

Veg

Non-Veg

Salad

Snack

- Click on required check box
- Click on Next >> Next >> Save and new.

### To create another fields in an object:

9. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New
11. Select Data type as a “Number” and Click on Next
12. Fill the Above as following:
  - Field Label : Number of People Served
  - Field Name : Number\_of\_People\_Served
  - Click on required check box
  - Click on Next >> Next >> Save and new.

### To create another fields in an object:

13. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
14. Now click on “Fields & Relationships” >> New
15. Select Data type as a “Text” and Click on Next
16. Fill the Above as following:
  - Field Label : Name of the Person
  - Field Name : Name\_of\_the\_Person
  - Click on Next >> Next >> Save and new.

### To create another fields in an object:

17. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
18. Now click on “Fields & Relationships” >> New
19. Select Data type as a “Phone” and Click on Next
20. Fill the Above as following:

- Field Label : Phone
- Field Name : Phone
- Click on Next >> Next >> Save and new.

### To create another fields in an object:

21. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
22. Now click on “Fields & Relationships” >> New
23. Select Data type as a “Pick List” and Click on Next
24. Fill the Above as following:
  - Field Label : Rating
  - Field Name : Rating
  - Enter values, with each value separated by a new line :
  - Click on Next >> Next >> Save and new.

### To create another fields in an object:

25. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
26. Now click on “Fields & Relationships” >> New
27. Select Data type as a “Long Text Area” and Click on Next
28. Fill the Above as following:
  - Field Label : Feedback
  - Field Name : Feedback
  - Click on Next >> Next >> Save and new.

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

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Food Category	Food_Category__c	Picklist (Multi-Select)		
Last Modified By	LastModifiedByid	Lookup(User)		
Number of People Served	Number_of_People_Served__c	Number(18, 0)		
Owner	OwnerId	Lookup(User/Group)	✓	
Phone	Phone__c	Phone		
Rating	Rating__c	Picklist		
Sponsored By	Sponsored_By__c	Lookup(Venue)	✓	
Task ID	Task_ID__c	Auto Number (External ID)	✓	
Task Name	Name	Text(80)	✓	

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

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedByid	Lookup(User)		
Date	Date__c	Date		
Distance	Distance__c	Number(14, 4)		
Drop-Off Point	Drop_Off_Point__c	Lookup(Drop-Off Point)	✓	
Feedback	Feedback__c	Long Text Area(32768)		
Food Category	Food_Category__c	Picklist (Multi-Select)		
Last Modified By	LastModifiedByid	Lookup(User)		
Number of People Served	Number_of_People_Served__c	Number(18, 0)		

## Creation of fields for the Volunteer object

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New

3. Select Data type as a “Auto Number” and Click on Next

4. Fill the Above as following:

- Field Label : Volunteer ID
- Field Name : gets auto generated
- Click on required check box
- Click on Next >> Next >> Save and new.
- Click on Next >> Next >> Save and new.

### To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.

2. Now click on “Fields & Relationships” >> New

3. Select Data type as a “Picklist” and Click on Next

4. Fill the Above as following:

- Field Label : Gender
- Field Name : Gender
- Enter values, with each value separated by a new line :

Female

Male

- Click on Next >> Next >> Save and new.

### To create another fields in an object:

5. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.

6. Now click on “Fields & Relationships” >> New

7. Select Data type as a “Date” and Click on Next

8. Fill the Above as following:

- Field Label : Available On
- Field Name : Available On
- Click on required check box
- Click on Next >> Next >> Save and new.

### **To create another fields in an object:**

9. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New
11. Select Data type as a “Number” and Click on Next
12. Fill the Above as following:
  - Field Label : Age
  - Field Name : Age
  - Click on required check box
  - Click on Next >> Next>> Save and new.

### **To create another fields in an object:**

13. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
14. Now click on “Fields & Relationships” >> New
15. Select Data type as a “Email” and Click on Next
16. Fill the Above as following:
  - Field Label : Email
  - Field Name : Email
  - Click on required check box
  - Click on Next>> Next >> Save and new.

## **To create another fields in an object:**

17. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
18. Now click on “Fields & Relationships” >> New
19. Select Data type as a “Number” and Click on Next
20. Fill the Above as following:
  - Field Label : Contact Number
  - Field Name : Contact\_Number
  - Click on required check box
  - Click on Next >> Next >> Save and new.

## **To create another fields in an object:**

21. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
22. Now click on “Fields & Relationships” >> New
23. Select Data type as a “Text Area (Long)” and Click on Next
24. Fill the Above as following:
  - Field Label : Address
  - Field Name : Address
  - Click on Next >> Next >> Save and new.

## **To create another fields in an object:**

25. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
26. Now click on “Fields & Relationships” >> New
27. Select Data type as a “Date” and Click on Next

28. Fill the Above as following:

- Field Label : Date of Birth
- Field Name : Date\_of\_Birth
- Click on Next >> Next >> Save and new.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Long Text Area(32768)		
Age	Age__c	Number(18, 0)		
Available On	Available_On__c	Date		
Contact Number	Contact_Number__c	Number(18, 0)		
Created By	CreatedById	Lookup(User)		
Date of Birth	Date_of_Birth__c	Date		
Drop-Off Point	Drop_Off_Point__c	Lookup(Drop-Off Point)		
Email	Email__c	Email		

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Date of Birth	Date_of_Birth__c	Date		
Drop-Off Point	Drop_Off_Point__c	Lookup(Drop-Off Point)		
Email	Email__c	Email		
Execution ID	Execution_ID__c	Auto Number (External ID)		
Gender	Gender__c	Picklist		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		
Volunteer ID	Volunteer_ID__c	Auto Number (External ID)		
Volunteer Name	Name	Text(80)		

## Create Flow to create a record in Venue object

1. Go to setup >> type Flow in quick find box >> Click on the Flow and Select the New Flow.
2. Select the Screen flow. Click on create.Click on the '+' icon in between start and end, and click on screen element.
3. Under the Screen Properties:

Label : Venue Details

API Name : Venue\_Details

5. Now lets add components in this flow. Click on Text Component and name it as:

Label : Venue Name

API Name : Venue\_Name

6. Click on Email Component and name it as:

Label : Email

API Name : Contact\_Email

7. Click on Phone Component and name it as:

Label : Phone

API Name : Contact\_Phone

8. Click on Text Component and name it as:

Label : Venue Location

API Name : Venue\_Location

9. Click on Number Component and name it as:

Label : Latitude

API Name : Latitude

10. Click on Number Component and name it as:

Label : longitude

API Name : longitude

11. Next click on Done.

12. Click on the '+' icon in between Venue details and end, and click on create record element.

13. Now label it as

Label : Create Venue Record

API Name : Create\_Venue\_Record

How Many Records to Create : One

How to Set the Record Fields : Use separate resources, and literal values

Object : Venue

Set Field Values for the Venue : Click on ‘Add Field’ 5 times

Field : Value = Contact\_Email\_\_c : {!Contact\_Email.value}

Field : Value = Contact\_Phone\_\_c : {!Contact\_Phone.value}

Field : Value = Name : {!Venue\_Name}

Field : Value = Venue\_Location\_\_c : {!location}

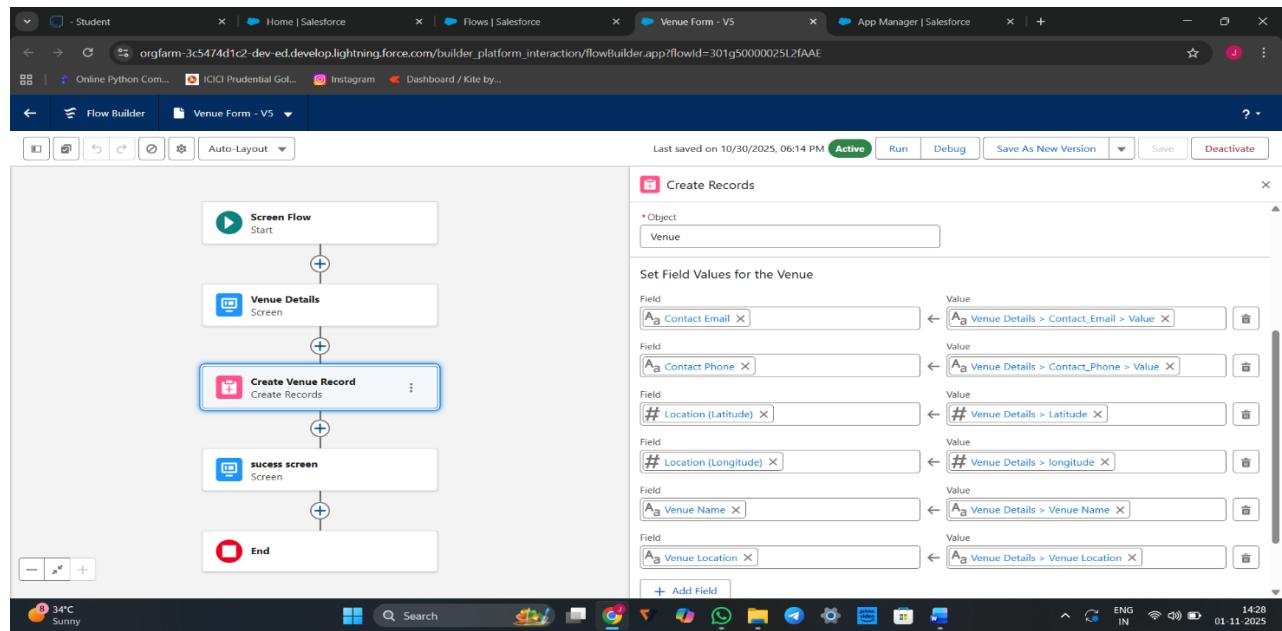
Field : Value = Location\_Latitude\_\_s : {!latitude}

Field : Value = Location\_Longitude\_\_s : {!longitude}

14.Click on Save as:

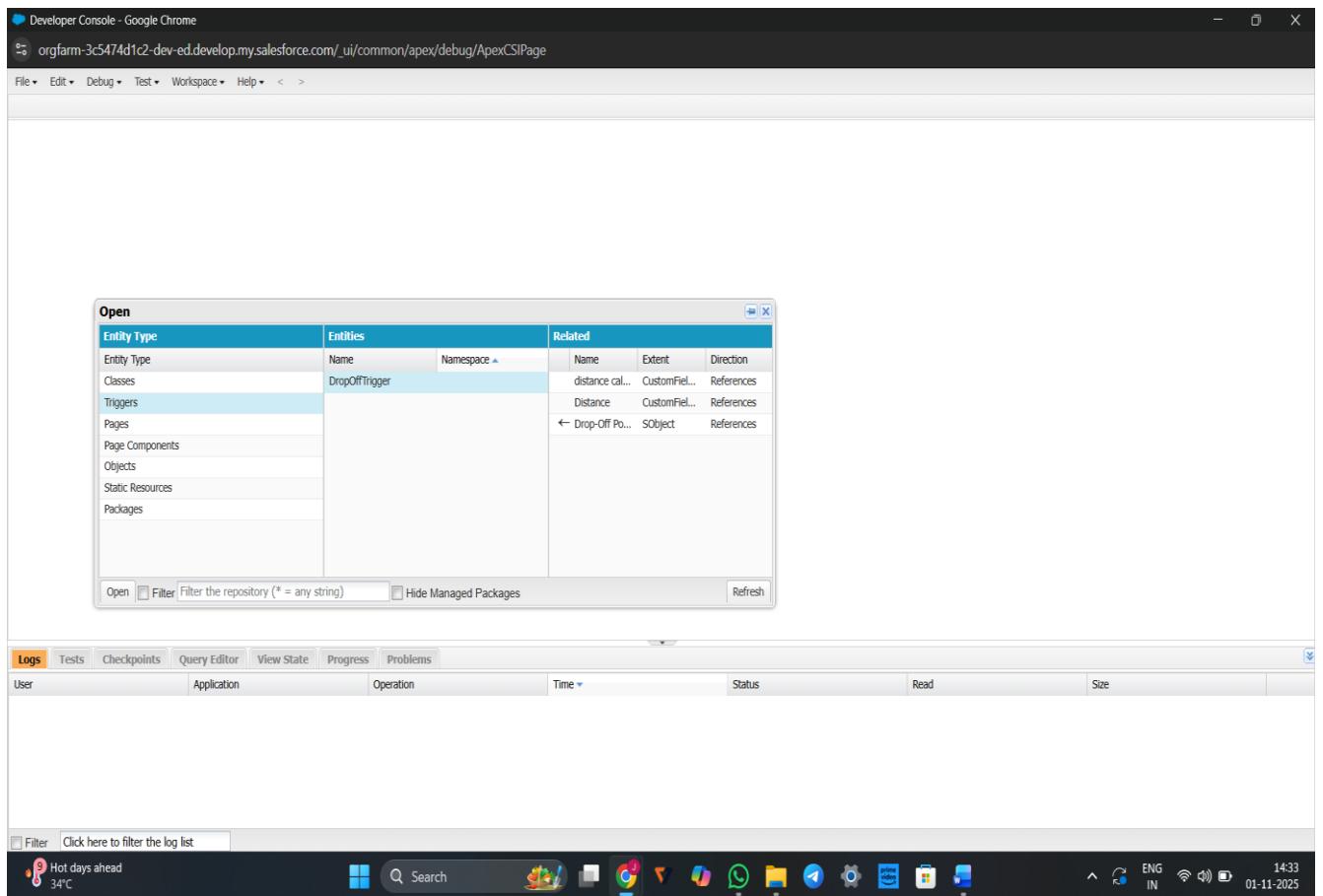
Flow Label : Venue Form

Flow API Name : Venue\_Form



## Create a Trigger

1. Log into the trailhead account, navigate to the gear icon in the top right corner.
2. Click on developer console and you will be navigated to a new console window.
3. Click on the File menu in the toolbar, and click on new >> Trigger.
4. Enter the trigger name and the object to be triggered.
5. Enter Name : DropOffTriggersObject: Drop-Off Point
6. Click on Submit.

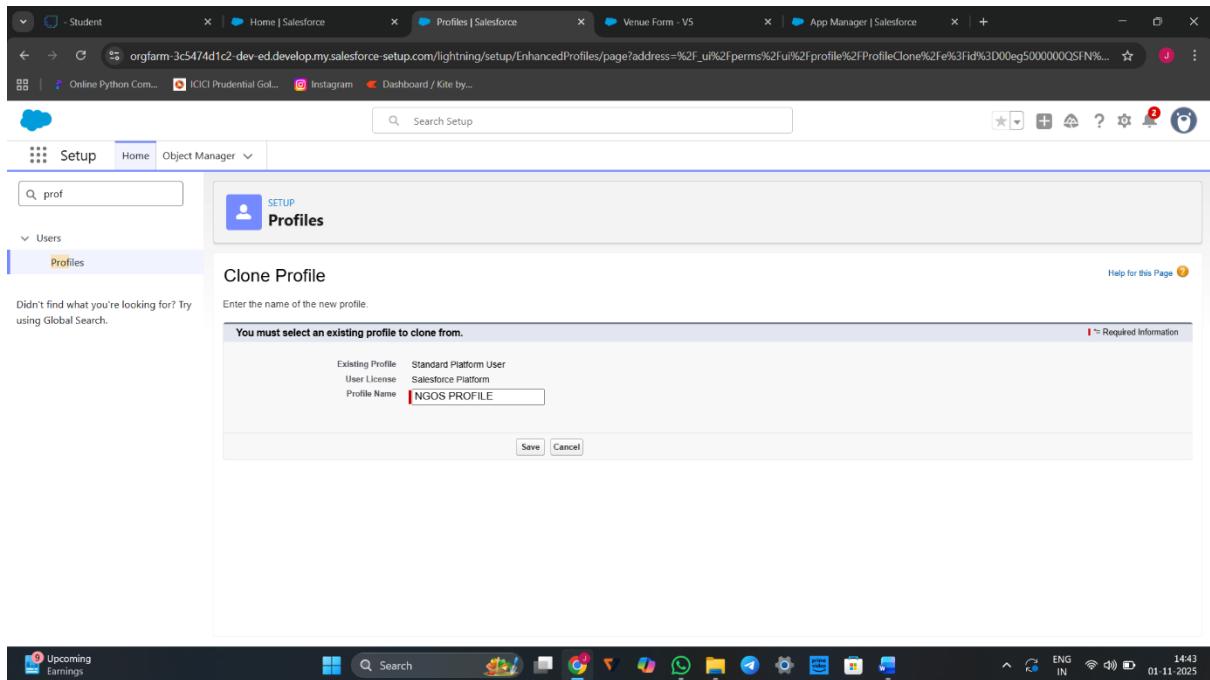


## Profiles

1. Go to setup page >> type Profiles in Quick Find bar >> click on Profiles >> click on 'S'
2. Click on Clone beside Standard Platform User.
3. Under Clone Profile:

Profile Name : NGOs Profile

4. Then click on Save



## Creation of Users

### Creation of User1

1. Go to setup page >> type users in Quick Find bar >> click on users>> New user.
2. In General Information give details as: (Note : create users as per your wish NGO's)

First Name : Iksha Foundation

Last Name : Iksha\_Foundation

Alias : iiksh

Email : Give Your Email

Username : [ikshafoundation@sb.com](mailto:ikshafoundation@sb.com) (give the username different)

Nickname : Auto Populated

User License : Salesforce Platform

Profile : NGOs Profile

Active : Check

3.Click on save

**All Users**

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/>	Chatter Expert	Chatter	chatty_000e5000000n8eaa.vjpo006a8c92@chatter.salesforce.com		<input checked="" type="checkbox"/>	Chatter Free User
<input type="checkbox"/>	EPIC_OrgFarm	EPIC	epic_02bb30e1224@orgfarm.salesforce.com		<input checked="" type="checkbox"/>	System Administrator
<input type="checkbox"/>	Iksha_Foundation_Iksha Foundation	iksh	kapildev@sb.com		<input checked="" type="checkbox"/>	NGCs Profile
<input type="checkbox"/>	R_karthikeyan	kar	karthikeyanv21@agentforce.com		<input checked="" type="checkbox"/>	System Administrator
<input type="checkbox"/>	sharma rohit	isharma	ragulcheesw204@sb.com		<input checked="" type="checkbox"/>	NGCs Profile
<input type="checkbox"/>	tendulkar_sachin	stendu	josephraymond55@sb.com		<input checked="" type="checkbox"/>	NGCs Profile
<input type="checkbox"/>	User_Integration	integ	integration@000g5000000ln1eaa.com		<input checked="" type="checkbox"/>	Analytics Cloud Integration User
<input type="checkbox"/>	User_Security	sec	insightsecurity@000g5000000ln1eaa.com		<input checked="" type="checkbox"/>	Analytics Cloud Security User

## Public Groups

### Creation of Public Group

1. Go to setup page >> type Public Groups in Quick Find bar >> click on Public Groups >> click on New.
2. Under Group Information:
  - Label : Iksha
  - Group Name : Iksha
  - Grant Access Using Hierarchies : Check
3. In Search, Select Users.
4. In Selected Members Add Iksha Foundation and System Administrator

Action	Label	Group Name	Created By	Created Date
Edit   Del	Isha	Isha	R_karthikeyan	10/29/2025, 9:11 PM
Edit   Del	joseph	joseph	R_karthikeyan	10/29/2025, 9:39 PM
Edit   Del	rahul	rahul	R_karthikeyan	10/29/2025, 9:38 PM

## Report Types

### Creation of Report Types

1. Go to setup page >> type Report Types in Quick Find bar >> click on Report Types >> click on Continue >> Click on New Custom Report Type.
2. In Define the Custom Report Type:

Primary Object : Select Venues

Report Type Label : Venue with DropOff with Volunteer

Report Type Name : Venue\_with\_DropOff\_with\_Volunteer

Description : Venue with DropOff with Volunteer

Store in Category : Select Other Reports

Deployment Status : Deployed

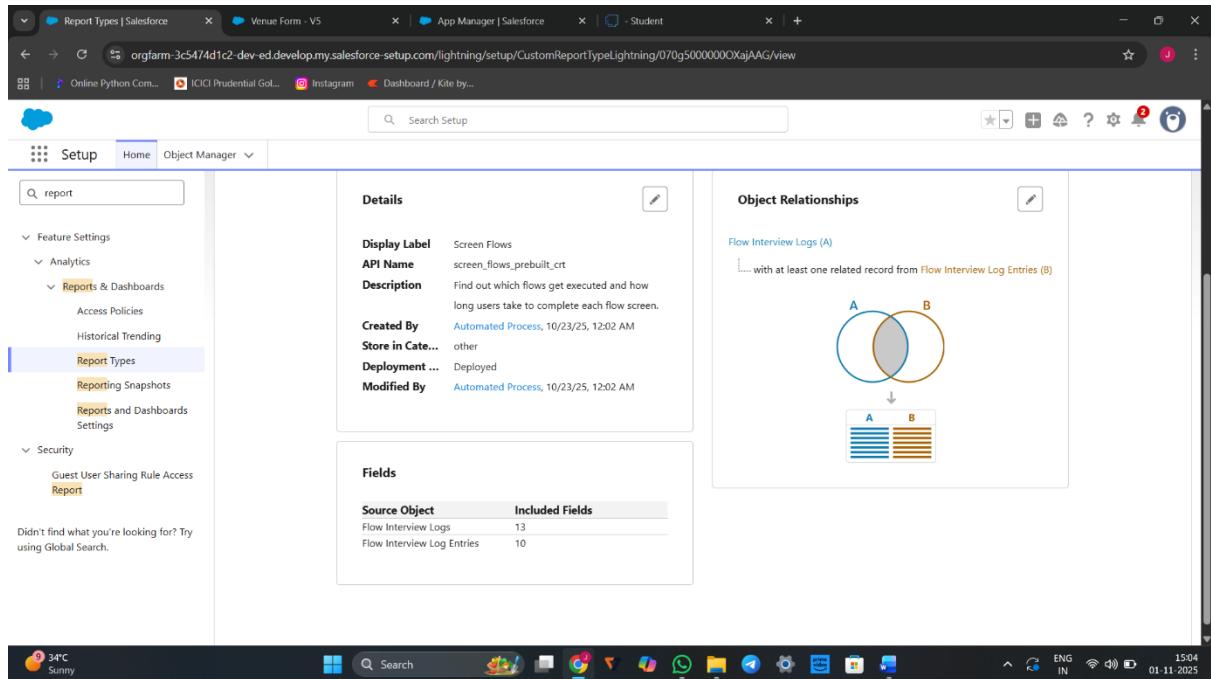
3.Click on Next

4.Near Click to relate another Object Select Drop-Off Points.

5.And also select "A" records may or may not have related "B" records.

6.Now again Near Click to relate another Object Select Volunteers.

7. Now click on Save.



## Reports

### Creation of Report on Venue with DropOff with Volunteer

1. Go to the app(FoodConnect) >> click on the reports tab
2. Click on New Folder.

Folder Label : Custom Reports

Folder Unique Name : CustomReports

3. Open Custom Reports and click on New Report
4. Select Report Type : Venue with DropOff with Volunteer
5. Then click on Start Report.
6. In GROUP ROWS : Add Volunteer Name
7. In Columns : Add Venue Name, Drop-Off point Name, Distance.
8. Give Label as :
9. Report Name : venue and Drop Off point

10. Report Unique Name : Auto Populated
11. Click on Select Folder and select Custom Report, then click on Save.
12. Now click on Save & Run.

The screenshot shows the FoodConnect application's Reports section. The 'Recent' tab is active, displaying a list of three reports:

Report Name	Description	Folder	Created By	Created On	Subscribed
Sample Flow Report: Screen Flows	Which flows run, what's the status of each interview, and how long do users take to complete the screens?	Public Reports	Automated Process	10/22/2025, 11:32 AM	<input checked="" type="checkbox"/>
Volunteer Task		Custom Reports	karthikeyan R	10/29/2025, 10:41 PM	<input checked="" type="checkbox"/>
venue and Drop Off point		Custom Reports	karthikeyan R	10/29/2025, 10:34 PM	<input checked="" type="checkbox"/>

The 'Reports' sidebar on the left includes sections for Recent, Folders, and Favorites, with sub-options like 'Created by Me' and 'Shared with Me'.

## Dashboards

### **Adding venue and Drop Off point Report to the Dashboard**

1. Go to the app(FoodConnect) >> click on the Dashboards tab.
2. Click on New Folder.

Folder Label : Custom Dashboards

Folder Unique Name : Auto Populated

3. Open Custom Dashboards and click on New Dashboards
4. Name : Organization Details
5. Click on Widget and select Chart or Table
6. In Select Report : Select venue and Drop Off point Report.
7. Then click on select
8. In Add Component:

Display As : Select Lightning Table

Component Theme : Select Dark (Optional)

9. Now click on save.

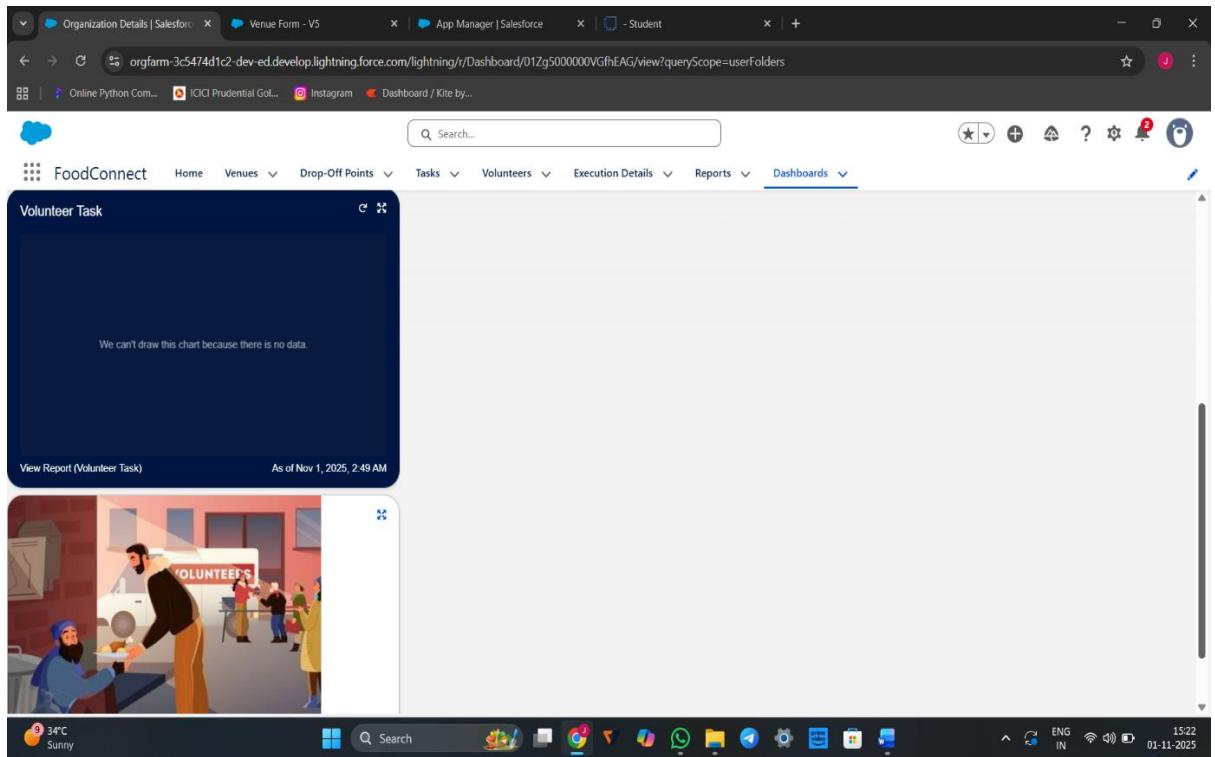
### Adding Volunteer Task Report to the Dashboard

1. Click on Widget and select Chart or Table
2. In Select Report : Select Volunteer Task Report.
3. Then click on select
4. In Add Component:

Display As : Select Line Chart

Component Theme : Select Dark (Optional)

5. Now click on save.



## Sharing Rules

### Creation of sharing rules

1. Go to setup >> type Sharing Settings in quick find box >> Click on the Sharing Settings.
2. Scroll down and find Drop-Off point Sharing Rules.
3. Click on new near Drop-Off point Sharing Rules and Name it as:

Label : Rule 1

Rule Name : Rule\_1

4. Select your rule type : Select Based on criteria.
5. Select which records to be shared:

Field : Operator : Value = Distance : less than : 15

6. Select the users to share with : Near Share With

Public Groups : Iksha

7. Click on Save.

8. Click on new near Drop-Off point Sharing Rules and Name it as:

Label : Rule 2

Rule Name : Rule\_2

9. Select your rule type : Select Based on criteria.

10. Select which records to be shared:

Field : Operator : Value = Distance : greater than : 15

Field : Operator : Value = Distance : less or equal : 30

11. Select the users to share with : Near Share With

Public Groups : NSS

12. Click on Save.

13. Click on new near Drop-Off point Sharing Rules and Name it as:

Label : Rule 3

Rule Name : Rule\_3

14. Select your rule type : Select Based on criteria.

15. Select which records to be shared:

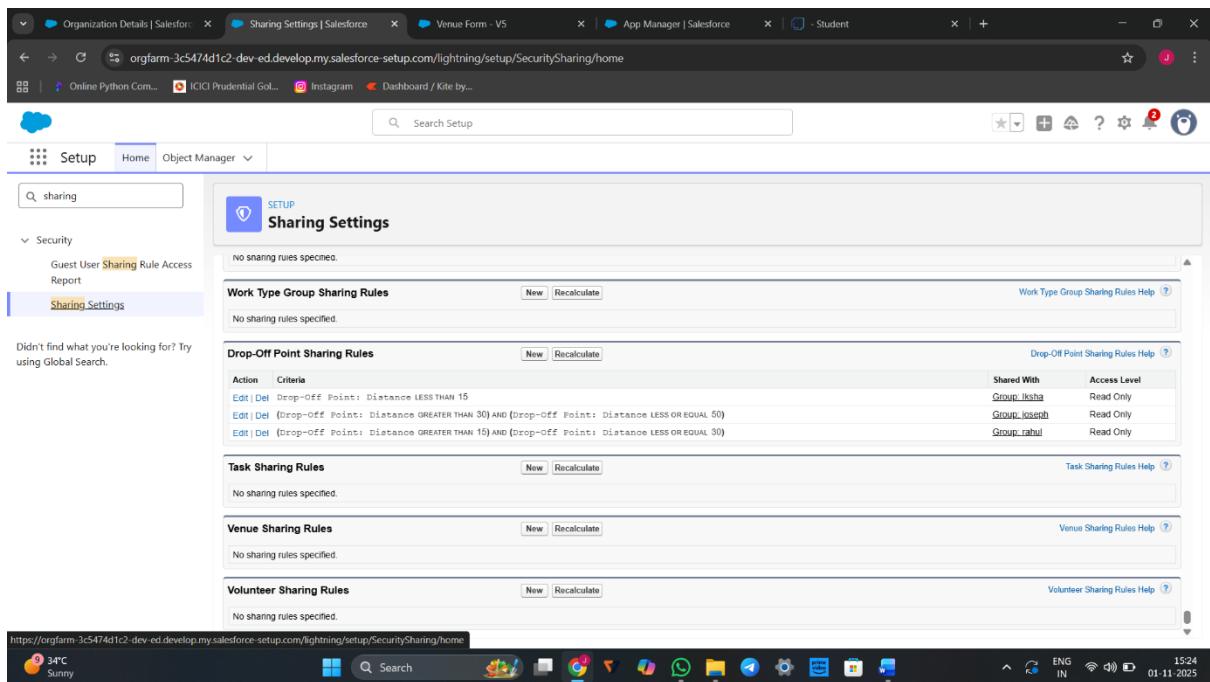
Field : Operator : Value = Distance : greater than : 30

Field : Operator : Value = Distance : less or equal : 50

16. Select the users to share with : Near Share With

Public Groups : Street Cause

17. Click on Save.



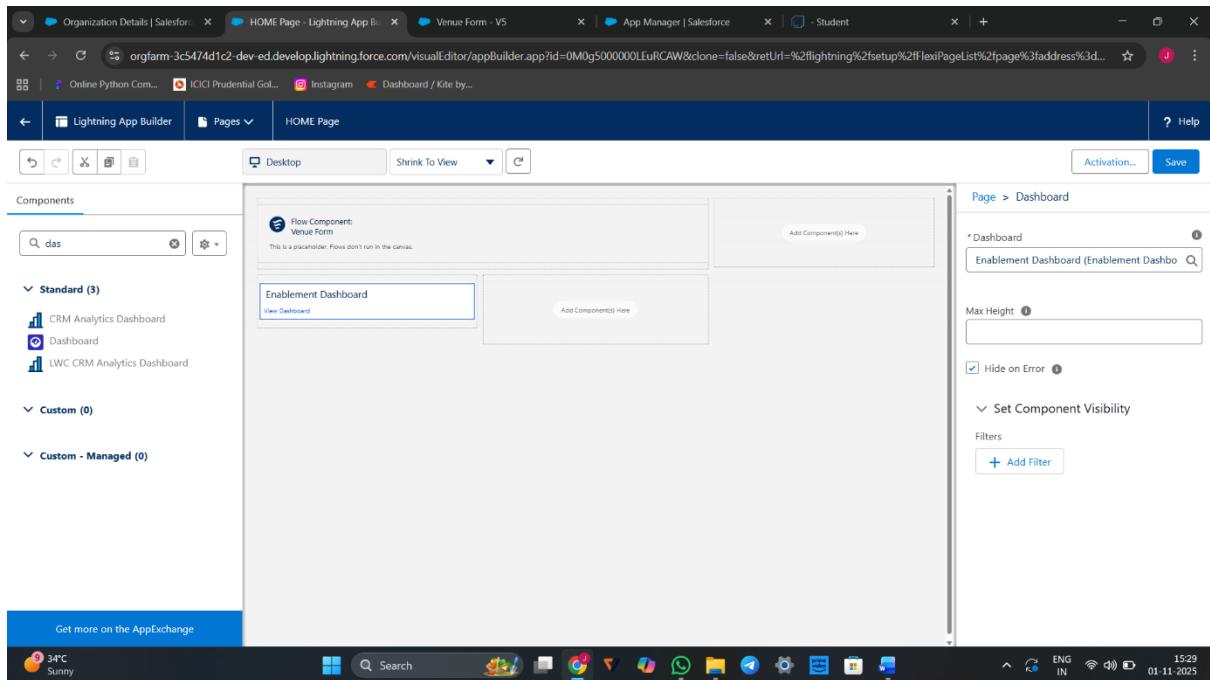
## Home Page

### Creation of Home Page

1. Go to setup >> type Lightning App Builder in quick find box >> Click on the Lightning App Builder and Select the New.
2. Select Home Page and give Label as HOME Page.
3. Select Standard Home Page.
4. Near Components search for Flow and Drag and Drop in Right Side Section..
5. On the right hand side:

Flow : Venue Flow

6. Near Components search for Dashboard, then Drag and Drop it in first Section.



## 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 beneficiaries, the project effectively addressed food insecurity while maximizing the utilization of available resources.