

# **TO SUPPLY LEFTOVER FOOD TO POOR**

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# 1. INTRODUCTION

## 1.1 Project Overview

FOOD CONNECT is a Salesforce-based application designed to collect leftover food from restaurants, hotels, and event organizers and distribute it to the poor through NGOs and volunteers. The system helps reduce food waste and fight hunger by using Salesforce tools to manage donations, pickups, deliveries, and communication.



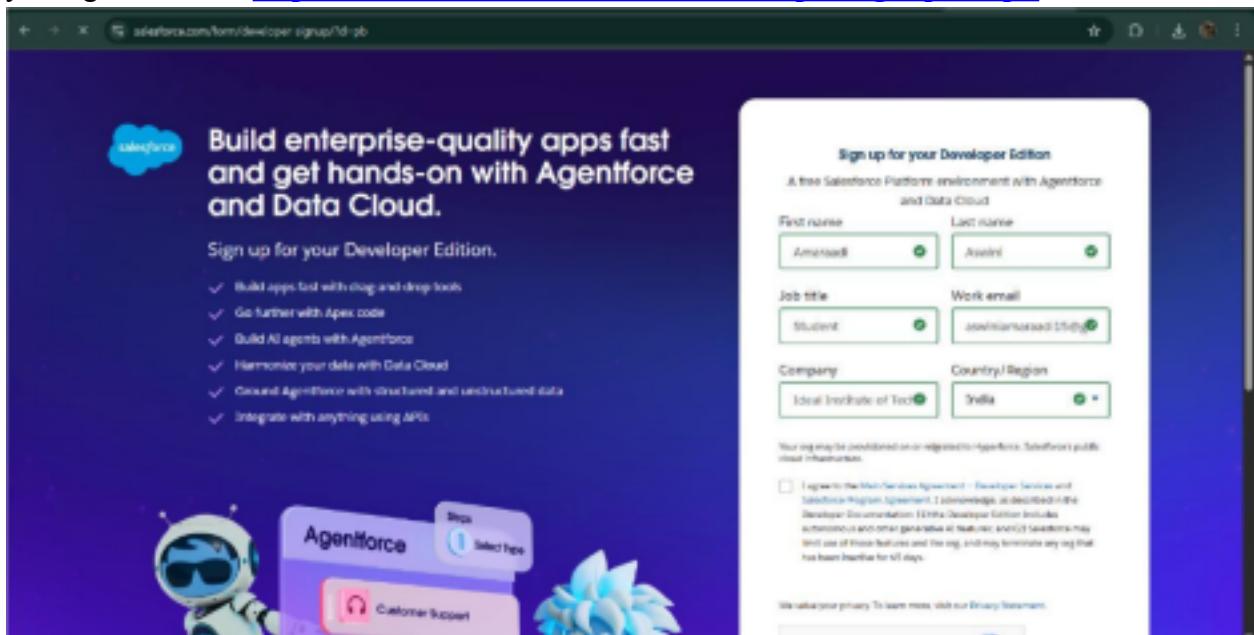
## 1.2 Purpose

The purpose of this project is to collect extra food from places like restaurants and give it to people in need. The system, built on Salesforce, helps manage donors, volunteers, and deliveries. It saves food from being wasted and helps feed the poor in a quick and organized way.

# DEVELOPMENT PHASE

**Creating Developer Account:**

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



## Create an Objects

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 >> 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.
- Created objects:Venue,Drop-Off Point,Task,Volunteer, Execution Detail.

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

**Header:** Search Setup, Home, Object Manager

**Breadcrumbs:** SETUP > OBJECT MANAGER

**Object Name:** venue

**Left Sidebar (Details):**

- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types
- Related Lookup Filters
- Restriction Rules

**Main Content Area:**

**Custom Object Definition Edit**

**Custom Object Information:**

The singular and plural labels are used in tabs, page layouts, and reports. Be careful when changing the name or label as it may affect existing integrations and merge templates.

**Label:** venue (Example: Account)

**Plural Label:** venues (Example: Accounts)

**Starts with vowel sound:**

**Object Name:** venue (Example: Account)

**Description:** (Empty text area)

**Buttons:** Save, Save & New, Cancel

**Help:** Help for this Page (with a question mark icon)

## OBJECT:Venue.

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

**Header:** Search Setup, Home, Object Manager

**Breadcrumbs:** SETUP > OBJECT MANAGER

**Object Name:** venue

**Left Sidebar (Details):**

- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types
- Related Lookup Filters
- Restriction Rules

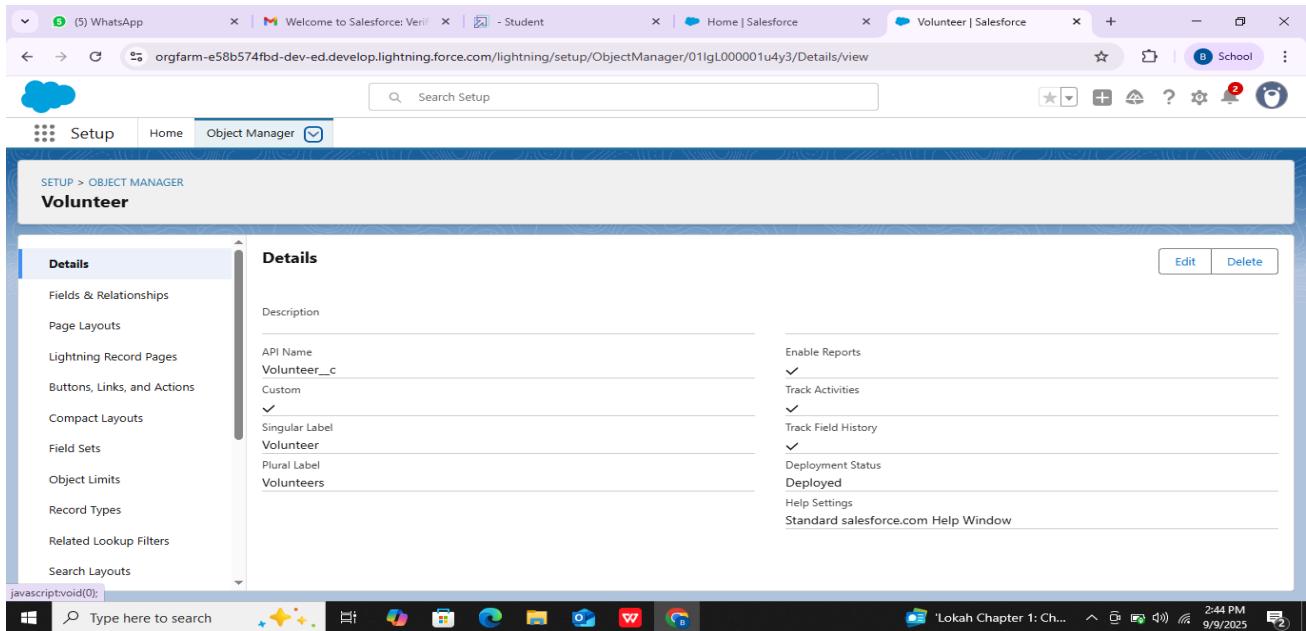
**Main Content Area:**

**Details:**

Description	Enable Reports
API Name venue_c	✓
Custom	Track Activities
✓	Track Field History
Singular Label venue	Deployment Status
Plural Label venues	Deployed
	Help Settings
	Standard salesforce.com Help Window

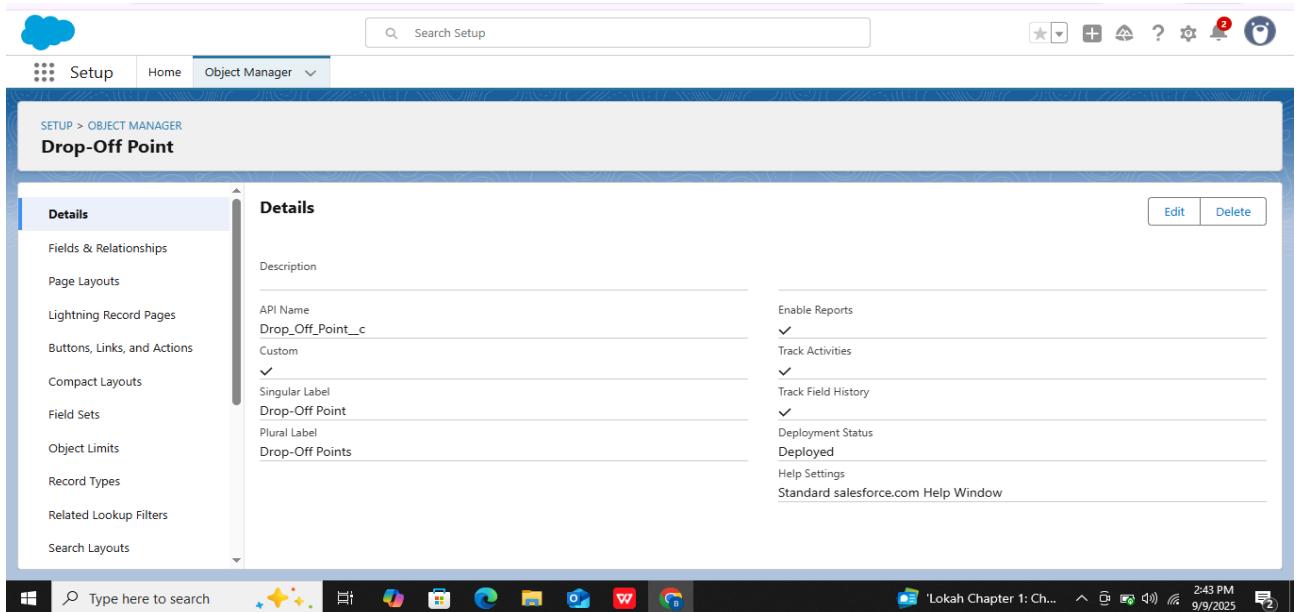
**Buttons:** Edit, Delete

## OBJECT: Volunteer.



The screenshot shows the Salesforce Object Manager interface for the 'Volunteer' object. The left sidebar lists various configuration tabs: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main 'Details' tab is selected. The API Name is set to 'Volunteer\_\_c'. The Singular Label is 'Volunteer' and the Plural Label is 'Volunteers'. Under the 'Enable Reports' section, 'Track Activities' and 'Track Field History' are checked. Deployment Status is set to 'Deployed'. Help Settings point to the standard Salesforce help window. The top navigation bar includes tabs for WhatsApp, Welcome to Salesforce, Home, and Volunteer | Salesforce, along with a search bar and various icons.

## OBJECT:Drop off Point.

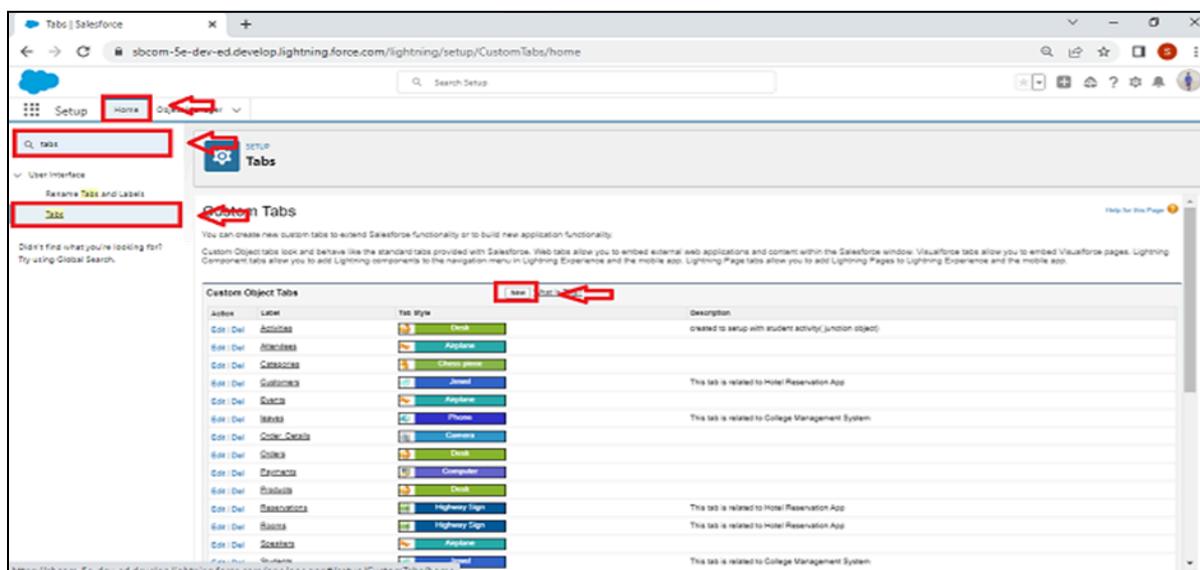


The screenshot shows the Salesforce Object Manager interface for the 'Drop-Off Point' object. The left sidebar lists various configuration tabs: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main 'Details' tab is selected. The API Name is set to 'Drop\_Off\_Point\_\_c'. The Singular Label is 'Drop-Off Point' and the Plural Label is 'Drop-Off Points'. Under the 'Enable Reports' section, 'Track Activities' and 'Track Field History' are checked. Deployment Status is set to 'Deployed'. Help Settings point to the standard Salesforce help window. The top navigation bar includes tabs for WhatsApp, Welcome to Salesforce, Home, and Volunteer | Salesforce, along with a search bar and various icons.

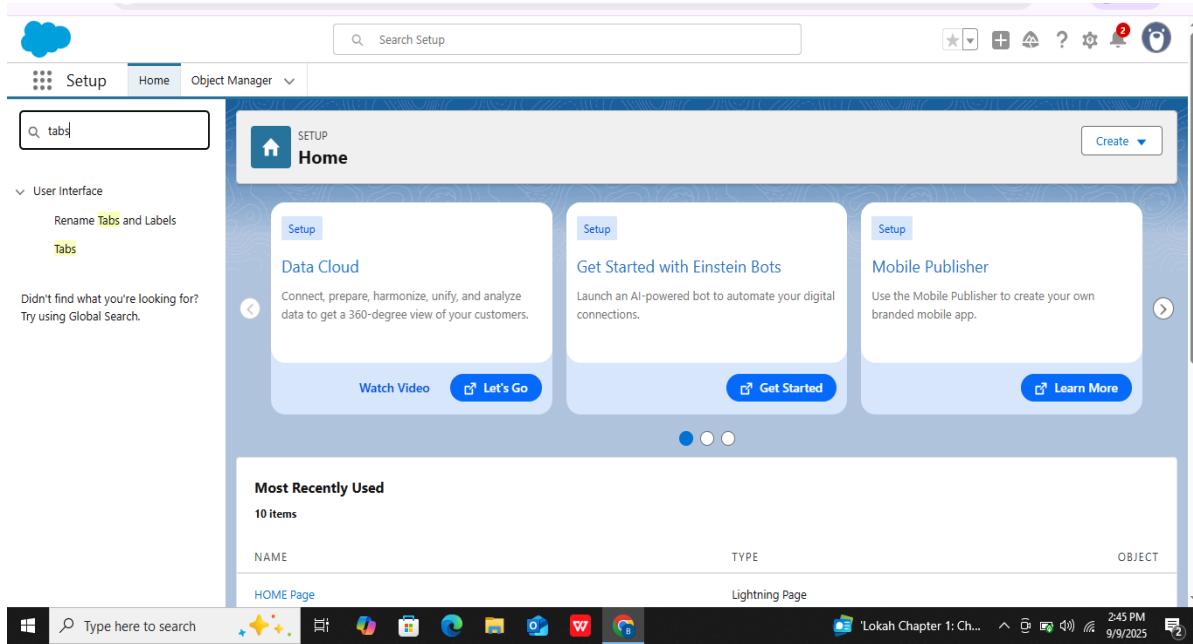
# Tabs:

## To create a Tab:(Venue)

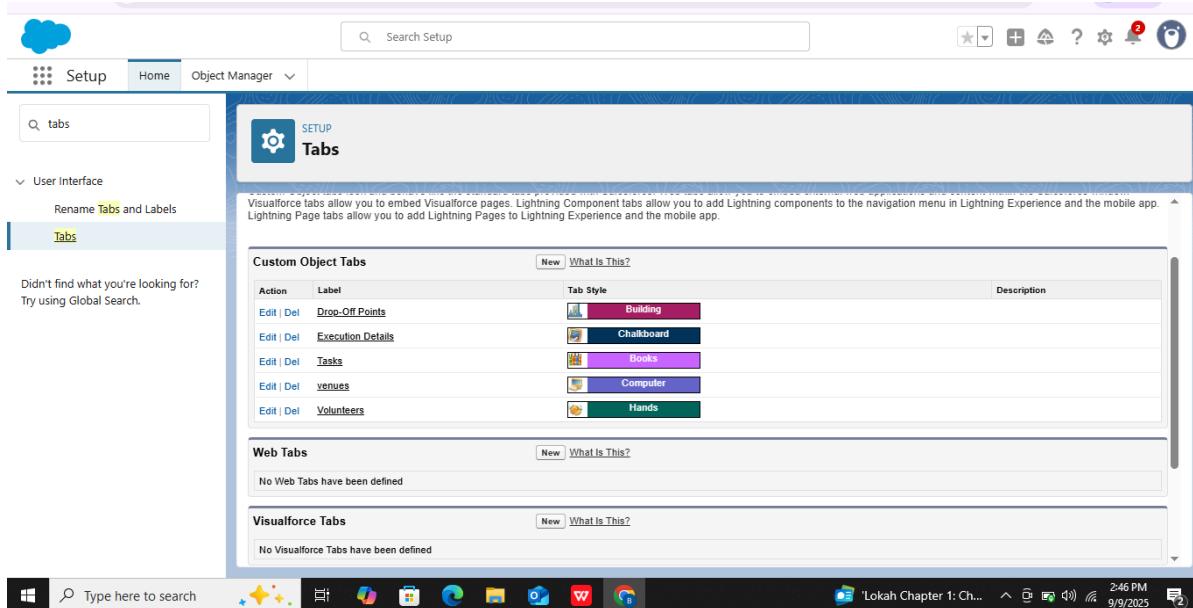
1. Go to setup page >> type Tabs in Quick Find bar >> click on tabs >> New (under custom object tab)



1. 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 .
2. Make sure that the Append tab to users' existing personal customizations is checked.
3. Click save



1. 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:

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.

The screenshot shows the Salesforce App Manager interface. At the top, there are tabs for Setup, Home, and Object Manager. A red box highlights the 'App Manager' tab. Below the tabs, there's a search bar and a 'New Lightning App' button. On the left, there are several links: 'App Manager' (highlighted with a red box), 'My Apps', 'Emails', 'Emails (Beta)', and 'Clone (Beta)'. A red arrow points to the 'Clone (Beta)' link. The main area is titled 'Lightning Experience App Manager' and contains a message about cloning existing apps. A red box highlights the 'Clone (Beta)' link again. Below this, there's a note about enabling the beta feature. The bottom half of the screen is a table listing various apps, with a red box highlighting the 'Last Modified' column header. The table has columns for App Name, Developer Name, Description, Last Modified, App Type, and VLR. The data in the table is as follows:

App Name	Developer Name	Description	Last Modified	App Type	VLR
All Tabs	AuthCloud	Build CRM Analytics dashboards and apps	04/12/2022, 10:13 am	Classic	
Analytics Studio	Insights	Build CRM Analytics dashboards and apps	04/12/2022, 10:13 am	Classic	
App Launcher	AppLauncher	App Launcher tabs	04/12/2022, 10:13 am	Classic	
Bolt Solutions	LightningBolt	Discover and manage business solutions designed for your industry	04/12/2022, 10:18 am	Lightning	
Charter Desktop	Charter/Desktop	Charter Desktop is an Adobe AIR-based desktop application that lets Charter users stay connected...	29/11/2022, 4:04 pm	Connected (Managed)	
Charter Mobile for BlackBerry	CharterForBlackBerry	The SalesForce.com Charter Mobile app lets you access Charter data on the go. Use it to view ne...	29/11/2022, 4:05 pm	Connected (Managed)	
College Management System	Neatteam	demo app	08/12/2022, 4:18 pm	Lightning	
Community	Community	Salesforce CRM Communities	04/12/2022, 10:13 am	Classic	
Content	Content	Salesforce CRM Content	04/12/2022, 10:13 am	Classic	
Data Manager	DataManager	Use Data Manager to view, limit, monitor usage, and manage recipes.	04/12/2022, 10:13 am	Lightning	

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.
4. (Utility Items) keep it as default >> Next.
5. To Add Navigation Items:

The screenshot shows a user interface for managing items. On the left, under 'Available Items', there is a search bar with placeholder text 'Type to filter list...' and a list of items with icons: Accounts, All Sites, Alternative Payment Methods, Analytics, App Launcher, Appointment Categories, Appointment Invitations, Approval Requests, Asset Action Sources, and Asset Actions. On the right, under 'Selected Items', there is a list of items with icons: Home, Venues, Tasks, Drop-Off points, Execution Details, Volunteers, Reports, and Dashboards. Between the two lists are two arrow buttons: a right-pointing arrow above and a left-pointing arrow below.

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.

## 6. To Add User Profiles:

The screenshot shows the 'User Profiles' configuration screen for a new Lightning App. At the top, it says 'New Lightning App' and 'User Profiles'. Below that, it says 'Choose the user profiles that can access this app.' Under 'Available Profiles', there is a search bar containing 'System administrator' with a red box around it and a red arrow pointing to it. To the right of the search bar is a delete icon (an 'X'). Below the search bar is a list of profiles. To the right of the list is a 'Selected Profiles' section containing 'System Administrator' with a red box around it and a red arrow pointing to it. Below the selected profile is a right-pointing arrow button with a red box around it and a red arrow pointing to it. At the bottom right is a 'Save & Finish' button with a red box around it and a red arrow pointing to it.

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

Lightning App Builder | App Settings | Pages | FoodConnect | ? Help

### App Settings

#### App Details & Branding

App Options  
Utility Items (Desktop Only)  
Navigation Items  
User Profiles

**App Details**

\* App Name: FoodConnect  
\* Developer Name: FoodConnect  
Description: Enter a description...

**App Branding**

Image:  #0070D2  
Upload

Org Theme Options:  Use the app's image and color instead of the org's custom theme

**App Launcher Preview**

Type here to search | 2:46 PM 9/9/2025

## VERIFYING : FOOD CONNECT APP

Cloud | Search Setup | Setup | Home | Object Manager | Quick Find | New Lightning App | New External Client App

### Lightning Experience App Manager

27 items • Sorted by App Name • Filtered by All appmenuitems - TabSet Type, App Type

App Name	Developer...	Description	Last Modified ...	App ...	Visi...
Community	Community	Salesforce CRM Communities	8/27/2025, 9:22 AM	Classic	✓
Content	Content	Salesforce CRM Content	8/27/2025, 9:22 AM	Classic	✓
Data Cloud	Audience360	Build a thorough and complete understanding of your customers.	8/27/2025, 9:22 AM	Lightning	✓
Data Manager	DataManager	Use Data Manager to view limits, monitor usage, and manage recipes.	8/27/2025, 9:22 AM	Lightning	✓
Digital Experiences	SalesforceCMS	Manage content and media for all of your sites.	8/27/2025, 9:22 AM	Lightning	✓
<b>FoodConnect</b>	FoodConnect		9/1/2025, 7:31 AM	Lightning	✓
Lightning Usage App	LightningInstr...	View Adoption and Usage Metrics for Lightning Experience	8/27/2025, 9:22 AM	Lightning	✓
Marketing CRM Cla...	Marketing	Track sales and marketing efforts with CRM objects.	8/27/2025, 9:22 AM	Classic	✓
My Service Journey	MSJApp	Discover new customer service capabilities.	8/27/2025, 9:22 AM	Lightning	✓
Platform	Platform	The fundamental Lightning Platform	8/27/2025, 9:22 AM	Classic	✓
Queue Management	QueueManage...	Create and manage queues for your business.	8/27/2025, 9:22 AM	Lightning	✓

Type here to search | 2:48 PM 9/9/2025

## Fields:

### 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.

The screenshot shows the Salesforce Setup interface. At the top, there's a navigation bar with a cloud icon, a search bar labeled "Search Setup", and various global buttons. Below it, the main header says "SETUP > OBJECT MANAGER" and "Volunteer". On the left, a sidebar lists options like "Fields & Relationships", "Page Layouts", "Lightning Record Pages", etc. The main content area is titled "Details" and shows fields for the Volunteer object, including API Name (Volunteer\_\_c), Singular Label (Volunteer), and Plural Label (Volunteers). There are also sections for "Enable Reports", "Track Activities", "Track Field History", "Deployment Status" (set to "Deployed"), and "Help Settings". At the bottom right of the content area are "Edit" and "Delete" buttons. The taskbar at the bottom includes a search bar, the Windows Start button, and several pinned application icons. The system tray shows the date and time as 9/9/2025 at 2:49 PM.

Now click on “Fields & Relationships” >> New

2. Select Master Detail relationship
3. Select the related object “Drop-Off point” and click next.

This screenshot shows the "Step 2. Choose the related object" dialog. It has a header "Step 2" and buttons for "Previous", "Next", and "Cancel". The main area asks "Select the other object to which this object is related." A dropdown menu is open under "Related To", with the option "Drop-Off point" highlighted and a red arrow pointing to it. A second red arrow points to the "Next" button at the bottom right of the dialog. The background of the dialog is white, and the overall interface is clean and modern.

5. Field Name : Drop\_Off\_point
6. Field label : Auto generated
7. Next >> Next >> Save.

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

- Setup** icon in the top left.
- Search bar: Search Setup.
- Top navigation: Home, Object Manager.
- Breadcrumbs: SETUP > OBJECT MANAGER.
- Section: Volunteer.
- Left sidebar (under Fields & Relationships):
  - 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
- Main Content: **Fields & Relationships** (14 Items, Sorted by Field Label)
 

Drop_Off_point	Drop_Off_point_c	Lookup(Drop-Off Point)	▼
Email	Email_c	Email	▼
Execution ID	Execution_ID_c	Auto Number	▼
Gender	Gender_c	Picklist	▼
Last Modified By	LastModifiedByld	Lookup(User)	▼
Owner	OwnerId	Lookup(User,Group)	▼
Volunteer ID	Volunteer_ID_c	Auto Number	▼
Volunteer Name	Name	Text(80)	▼
- Bottom navigation: Type here to search, taskbar icons, and system status.

8. Select Master Detail relationship
9. Select the related object “Volunteer” and click next.
10. Field Name : Volunteer
11. Field label : Auto generated
12. Next >> Next >> Save.

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

15. Select Master Detail relationship
16. Select the related object “Task” and click next.
17. Field Name : Task
18. Field label : Auto generated
19. Next >> Next >> Save.

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

22. Select Lookup relationship
23. Select the related object “Venue” and click next.
24. Field Name : Venue
25. Field label : Venue\_c
26. Next >> Next >> Save.
27. Creation of Lookup Relationship Field on Task Object :
29. Now click on “Fields & Relationships” >> New
30. Select Lookup relationship
31. Select the related object “Venue” and click next.
32. Field Name : Sponsored By
33. Field label : Auto generated
34. Next >> Next >> Save.
36. Now click on “Fields & Relationships” >> New
37. Select Lookup relationship

38. Select the related object “Drop-Off point” and click next.

39. Field Name : Drop-Off point

40. Field label : Auto generated

41. Next >> Next >> Save.

SETUP > OBJECT MANAGER  
venue

Details

Fields & Relationships

8 Items, Sorted by Field Label

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)

Now we had created for all the FIELDS for tabs and checking all the fields

SETUP > OBJECT MANAGER  
Task

Details

Fields & Relationships

16 Items, Sorted by Field Label

Number of People Served	Number_of_People_Served__c	Number(18, 0)
Phone	Phone__c	Phone
Rating	Rating__c	Picklist
Sponsored By	Sponsored_By__c	Lookup(venue)
Task ID	Task_ID__c	Auto Number
Task Name	Name	Text(80)
Volunteer	Volunteer__c	Master-Detail(Volunteer)

The screenshot shows the Salesforce Object Manager interface for the 'Drop-Off Point' object. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The main content area displays the 'Fields & Relationships' section for the 'Drop-Off Point' object. The table lists the following fields:

Field Label	Type	Description
Distance	Number(18, 0)	Distance_c
distance calculation	Formula (Number)	distance_calculation_c
Drop-Off Point Name	Text(80)	Name
Last Modified By	Lookup(User)	LastModifiedBy/d
Location 2	Geolocation	Location_2_c
Owner	Lookup(User,Group)	Ownerid
State	Picklist	State_c
Venue_c	Lookup(venue)	venue_c

The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray indicating the date and time.

The screenshot shows the Salesforce Object Manager interface for the 'Task' object. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The main content area displays the 'Fields & Relationships' section for the 'Task' object. The table lists the following fields:

Field Label	Type	Description
Drop-Off Point	Lookup(Drop-Off Point)	Drop_Off_Point_c
Execution Detail	Lookup(Execution Detail)	Execution_Detail_c
Feedback	Long Text Area(32768)	Feedback_c
Food Category	Picklist (Multi-Select)	Food_Category_c
Last Modified By	Lookup(User)	LastModifiedBy/d
Name of the Person	Text(10)	Name_of_the_Person_c
Number of People Served	Number(18, 0)	Number_of_People_Served_c
Phone	Phone	Phone_c

The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray indicating the date and time.

The screenshot shows the Salesforce Setup interface with the 'Object Manager' selected. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main content area is titled 'Fields & Relationships' for the 'Task' object. It displays 16 items, sorted by field label. Each item shows the field name, its label, and its type. The fields listed are: Number of People Served (Number(18, 0)), Phone (Phone), Rating (Picklist), Sponsored By (Lookup(venue)), Task ID (Auto Number), Task Name (Text(80)), and Volunteer (Master-Detail(Volunteer)). There are also sections for Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, and Compact Layouts.

The screenshot shows the Salesforce Setup interface for the 'Volunteer' object. The top navigation bar includes 'Setup', 'Home', 'Object Manager', and various system icons. The left sidebar lists categories like 'Details', 'Fields & Relationships' (selected), 'Page Layouts', 'Lightning Record Pages', 'Buttons, Links, and Actions', 'Compact Layouts', 'Field Sets', 'Object Limits', 'Record Types', 'Related Lookup Filters', and 'Search Layouts'. The main content area is titled 'Fields & Relationships' and displays 14 items, sorted by Field Label. Each item shows the field name, its label, and its type. For example, 'Drop\_Off\_point' is a Lookup field for 'Drop-Off Point'. Other fields include 'Email', 'Execution ID', 'Gender', 'Last Modified By', 'Owner', 'Volunteer ID', and 'Volunteer Name'. A 'Quick Find' search bar and buttons for 'New', 'Deleted Fields', 'Field Dependencies', and 'Set History Tracking' are also present.

Setup > OBJECT MANAGER  
Volunteer

Fields & Relationships

Drop_Off_point	Drop_Off_point_c	Lookup(Drop-Off Point)	✓
Email	Email_c	Email	▼
Execution ID	Execution_ID_c	Auto Number	▼
Gender	Gender_c	Picklist	▼
Last Modified By	LastModifiedById	Lookup(User)	▼
Owner	OwnerId	Lookup(User,Group)	✓
Volunteer ID	Volunteer_ID_c	Auto Number	▼
Volunteer Name	Name	Text(80)	▼

## FLOWs:

Search Setup

flows

Home

Process Automation

Flows

Identity

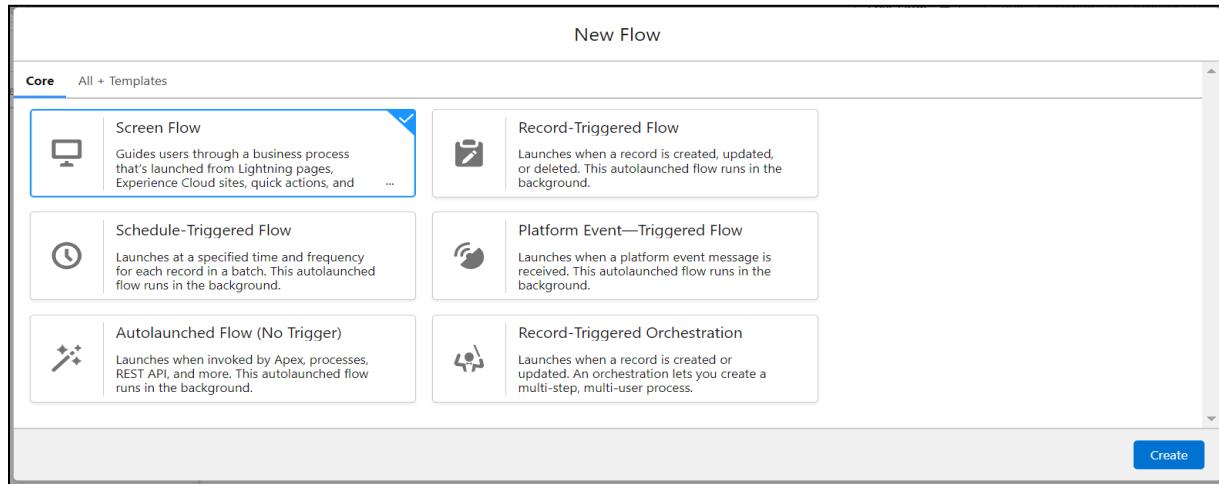
Login Flows

Most Recently Used

NAME	TYPE	OBJECT
HOME Page	Lightning Page	

Go to setup >> type Flow in quick find box >> Click on the Flow and Select the New Flow.

Select the Screen flow. Click on create.



3. Click on the '+' icon in between start and end, and click on screen element.
4. 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.

The screenshot shows two views of the Flow Builder interface. The top view is titled 'New Automation' and displays categories like Triggered, Scheduled, Screen, and Autolaunched. The bottom view shows a specific flow named 'Venue Form - V1' with the following steps:

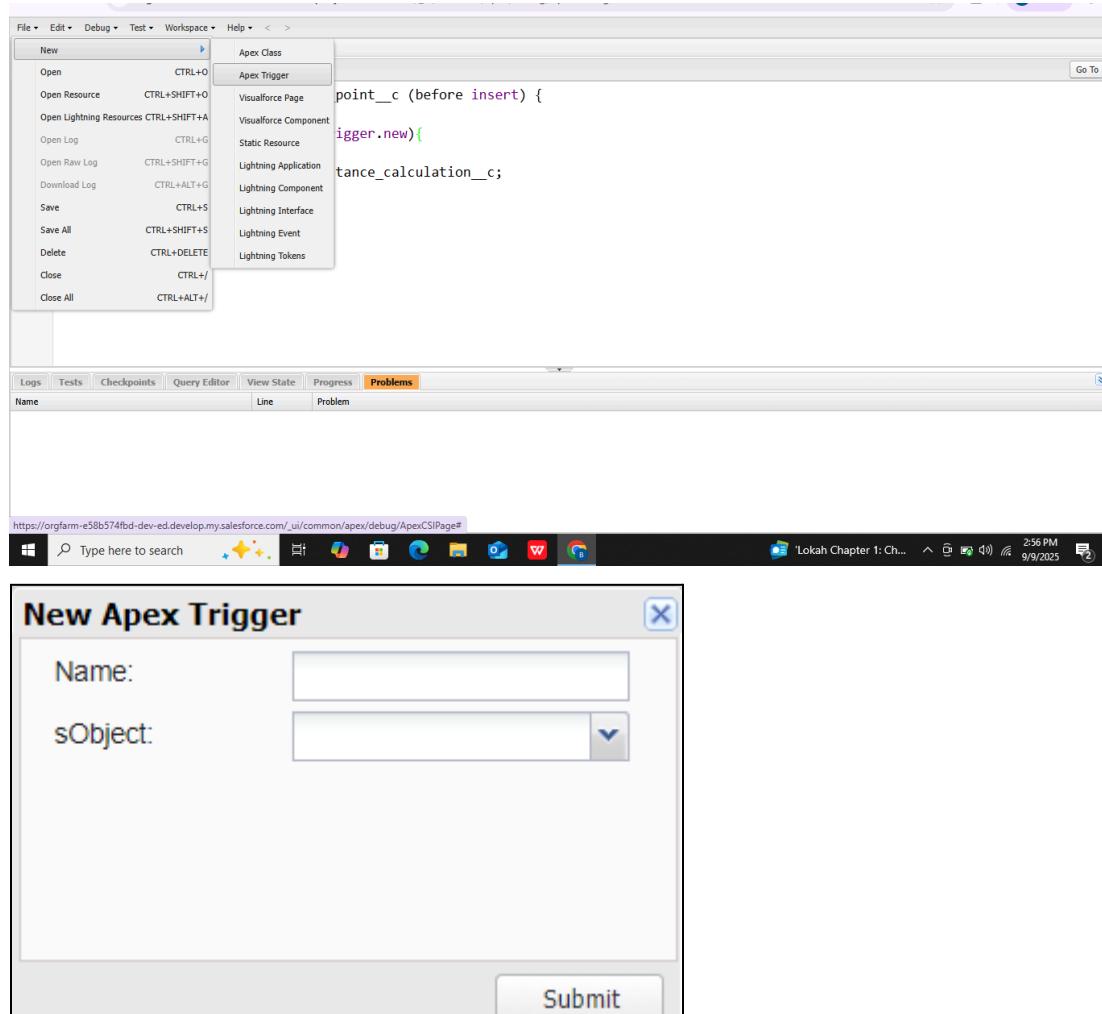
```
graph TD; Start((Screen Flow Start)) --> VenueDetails[Venue Details Screen]; VenueDetails --> CreateRecords[Create Venue Record Create Records]; CreateRecords --> End((End))
```

The flow starts with a 'Screen Flow Start' step, followed by a 'Venue Details Screen' step, then a 'Create Venue Record Create Records' step, and finally an 'End' step.

## 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 : DropOffTrigger

sObject: Drop-Off Point

6. Click on Submit.

## Trigger Code:

### 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;
    }
}
```

```

trigger DropOffTrigger on Drop_Off_point__c (before insert) {
    for(Drop_Off_point__c Drop : Trigger.new){
        Drop.Distance__c = Drop.distance_calculation__c;
    }
}

```

The screenshot shows the Salesforce Apex Editor interface with the trigger code. Below the editor is a navigation bar with tabs: Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Problems tab is selected. At the bottom of the screen is a Windows taskbar.

## 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

1. Then click on Save

Action	Profile Name	User License	Custom
<input type="checkbox"/> Edit   Del   ...	Salesforce API Only 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"/>

The screenshot shows the Salesforce Setup interface with the Profiles section selected. A search bar at the top left shows 'profil'. The main content area displays a list of profiles with their details. The 'Standard User' profile is currently selected. At the bottom of the screen is a Windows taskbar.

# Creation of Users:

users>> New user

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)

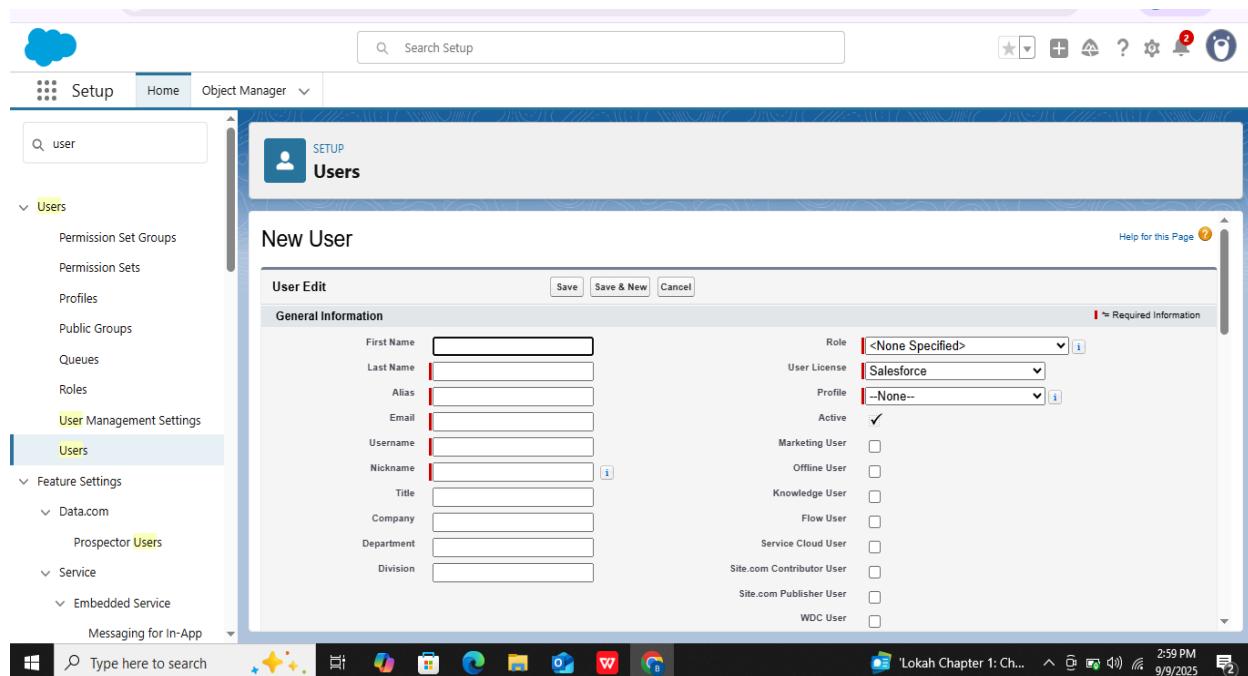
Nickname : Auto Populated

User License : Salesforce Platform

Profile : NGOs Profile

Active : Check

- Click on Save



Create another Two Users by following steps in Activity - 1 with similar User License and Profile.

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

To get more licenses, use the Your Account app. [Let's Go](#)

View: [All Users](#) | [Edit](#) | [Create New View](#)

Action	Full Name	Alias	Username	Role	Active	Profile
<a href="#">Edit</a>	Balaji_Foundation	Balaji	balajifoundation@ab.com		<input checked="" type="checkbox"/>	NGOs Profile
<a href="#">Edit</a>	Chatter Expert	Chatter	chatty.00dg00000ackanuad.dou4rltleyv@chatter.salesforce.com		<input checked="" type="checkbox"/>	Chatter Free User
<a href="#">Edit</a>	EPIC_OroFarm	OEPIC	epic.8cf91f1936f2@orofarm.salesforce.com		<input checked="" type="checkbox"/>	System Administrator
<a href="#">Edit</a>	Jai_Foundation	Jai	jafoundation@sb.com		<input checked="" type="checkbox"/>	NGOs Profile
<a href="#">Edit</a>	Kavin_Foundation	Kavin	kavinfoundation@sb.com		<input checked="" type="checkbox"/>	NGOs Profile
<a href="#">Edit</a>	M_JAISHREE	jai	jaishree23cae482@agentforce.com		<input checked="" type="checkbox"/>	System Administrator
<a href="#">Edit</a>	User_Integration	integ	integration@00dg00000ackanuad.com		<input checked="" type="checkbox"/>	Analytics Cloud Integration User
<a href="#">Edit</a>	User_Security	sec	insightssecurity@00dg00000ackanuad.com		<input checked="" type="checkbox"/>	Analytics Cloud Security User

## Public Groups:

1. 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

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

Group Information

New Public Group

Label:  \* = Required Information

Group Name:  \*

Grant Access Using Hierarchies:

Description:

Search:  for:  Find

Available Members

- Group: Balaji
- Group: Jai
- Group: kavin

Selected Members

- None--

Add Remove

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

- Setup** tab selected in the top navigation bar.
- Object Manager** dropdown open, showing **Users** and **Public Groups**.
- Search Setup** bar with the query **public groups**.
- Public Groups** page title with a blue icon.
- Public Groups** section header.
- A note: "A public group is a set of users. It can contain individual users, other groups, the users in a particular role or territory, or the users in a role or territory plus all of the users below that role or territory in the hierarchy."
- View:** All | Edit | Create New View.
- Action**, **Label**, **Group Name**, **Created By**, and **Created Date** columns in a table.
- Data table rows:

  - Action: Edit | Del; Label: Balaji; Group Name: Balaji; Created By: M. JAISHREE; Created Date: 9/3/2025, 3:16 AM
  - Action: Edit | Del; Label: Jai; Group Name: Jai; Created By: M. JAISHREE; Created Date: 9/3/2025, 3:14 AM
  - Action: Edit | Del; Label: kavin; Group Name: kavin; Created By: M. JAISHREE; Created Date: 9/3/2025, 3:16 AM

## Report Types:

1. 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.

The image contains two screenshots of the Salesforce Setup interface, illustrating the process of building custom report types.

**Screenshot 1: Build Custom Report Types**

This screenshot shows the 'Build Custom Report Types' page. It includes a brief description of what custom report types are, a diagram illustrating object relationships (A, B, C), and sections for 'Select Objects' and 'Define Relationships'. A 'Continue' button is visible at the bottom right.

**Screenshot 2: New Custom Report Type**

This screenshot shows the 'New Custom Report Type' configuration page. Step 1, 'Define the Custom Report Type', is selected. It features a 'Select Primary Object' section where users can choose the primary object for reports. A 'Details' section is partially visible below. Navigation buttons 'Cancel' and 'Next' are at the bottom right.

VERIFYING THE RECORD TYPES WHICH HAD BEEN CREATED BY US.

Label	Name	Description	Category	Created Date
Orchestration Run Logs Spring '24	flow_orchestration_log_oottb_crt_two...	Find out which orchestration run logs...	Other Repor...	autproc 8/27/2025, 9:22 A...
Orchestration Runs Spring '24	flow_orchestration_run_oottb_crt_two...	Find out which orchestration runs wer...	Other Repor...	autproc 8/27/2025, 9:22 A...
Orchestration Stage Runs Spring '24	flow_orchestration_stage_run_oottb_cr...	Find out which orchestration stage ru...	Other Repor...	autproc 8/27/2025, 9:22 A...
Orchestration Step Runs Spring '24	flow_orchestration_step_run_oottb_crt_...	Find out which orchestration step run...	Other Repor...	autproc 8/27/2025, 9:22 A...
Orchestration Work Items Spring '24	flow_orchestration_work_item_oottb_cr...	Find out which orchestration work ite...	Other Repor...	autproc 8/27/2025, 9:22 A...
Program Definition Spring '24	Program_Definition_sfcdCESv60	Review your analytics with a program...	Other Repor...	autproc 8/27/2025, 9:22 A...
Program Definition Summer '24	Program_Definition_sfcdCESv61	Review your analytics with a program...	Other Repor...	autproc 8/27/2025, 9:22 A...
Program Item Progress Spring '24	Program_Task_Progress_sfcdCESv60	Report on tasks like exercises, milesto...	Other Repor...	autproc 8/27/2025, 9:22 A...
Program Item Progress Summer '24	Program_Task_Progress_sfcdCESv61	Report on tasks like exercises, milesto...	Other Repor...	autproc 8/27/2025, 9:22 A...
Program Progress Spring '24	Program_Progress_sfcdCESv60	Report on program progress. Specific...	Other Repor...	autproc 8/27/2025, 9:22 A...
Program Progress Summer '24	Program_Progress_sfcdCESv61	Report on program progress. Specific...	Other Repor...	autproc 8/27/2025, 9:22 A...
Screen Flows	screen_flows_prebuilt_crt	Find out which flows get executed an...	Other Repor...	autproc 8/27/2025, 9:22 A...
Venue with DropOff with Volunteer	Venue_with_DropOff_with_Volunteer	Venue with DropOff with Volunteer	Other Repor...	jai 9/3/2025, 3:26 AM
Volunteers with Execution Details a...	Volunteers_with_Execution_Details_an...	This report types shows volunteers al...	Other Repor...	jai 9/5/2025, 9:39 PM

## Reports:

Go to the app(FoodConnect) >> click on the reports tab  
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.
  - a. Now click on Save & Run.
  - b. Give Label as :
  - c. Report Name : venue and Drop Off point
  - d. Report Unique Name : Auto Populated
  - e. Click on Select Folder and select Custom Report, then click on Save.

The screenshot shows the report configuration interface. On the left, the 'Outline' section is active, displaying 'GROUP ROWS' with 'Add group...' and 'Volunteer Name' search fields. Below it is the 'Columns' section with 'Add column...' and three selected columns: 'Venue Name', 'Drop-Off point Name', and '# Distance'. On the right, the preview area shows a table with four rows of data and subtotals for 'Total'.

Volunteer Name ↑	Venue Name ↑	Drop-Off point Name ↓	Distance ↓
- (4)	La Royale Banquet Hall.	Shapur	5.1161
	La Royale Banquet Hall.	Jeedimetla	6,902.9995
	Paradise Garden Function Hall	Suraram Village	28.2332
	Ujwala Grand	-	-
<b>Subtotal</b>			6,936.3488
<b>Total (4)</b>			6,936.3488

Click on Custom Reports Folder and click on New Report

Select Report Type : Volunteers with Execution Details and Tasks.

Then click on Start Report.

In GROUP ROWS : Volunteer ID

In Columns : Add Volunteer : Volunteer Name, Task : Task Name, Execution Detail : Execution Detail Name, Volunteer: Owner Name, Task: Date, Task : Rating.

The screenshot shows the report preview interface. The 'Outline' section is active, displaying 'GROUP ROWS' with 'Add group...' and 'Volunteer ID' search fields. Below it is the 'Columns' section with 'Add column...' and six selected columns: 'Volunteer: Volunteer Name', 'Task: Task Name', 'Execution Detail: Execution Detail Name', 'Volunteer: Owner Name', 'Task: Date', and 'Task: Rating'. The preview area shows two rows of data with subtotals and a total row.

Volunteer ID ↑	Volunteer: Volunteer Name	Task: Task Name	Execution Detail: Execution Detail Name	Volunteer: Owner Name	Task: Date	Task: Rating
2 (1)	Charan	Task 2	Execution 2	Iksha Foundation Iksha_Foundation	28/03/2024	5
<b>Subtotal</b>						
4 (1)	Bhavika	Task 1	Execution 1	Iksha Foundation Iksha_Foundation	28/03/2024	4
<b>Subtotal</b>						
<b>Total (2)</b>						

7. Now click on Save & Run.

8. Give Label as :

Report Name : Volunteer Task

Report Unique Name : Auto Populated

1. Click on Select Folder and select Custom Report, then click on Save.

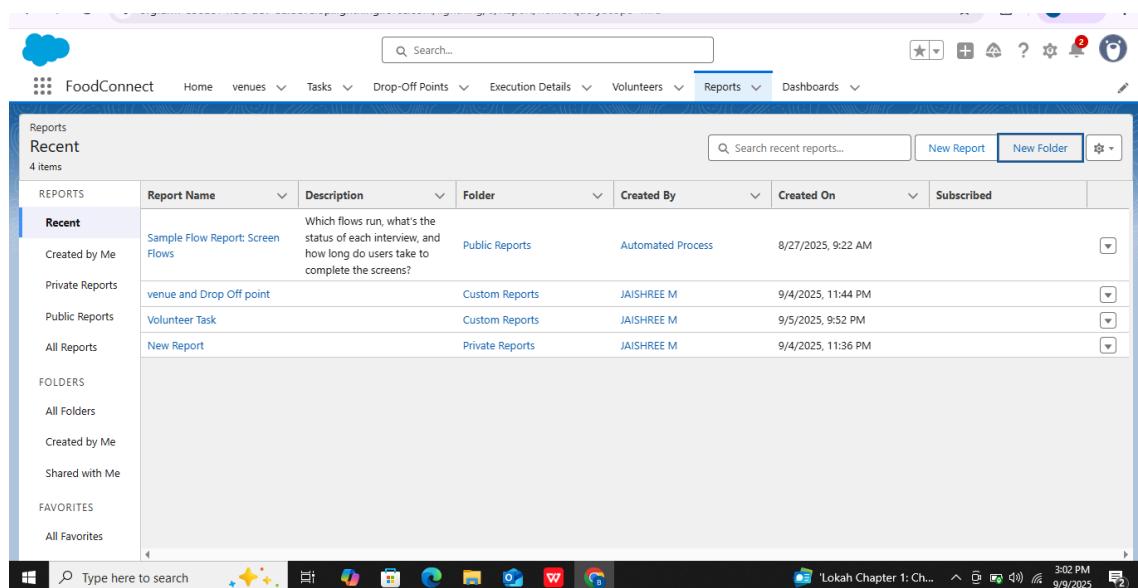
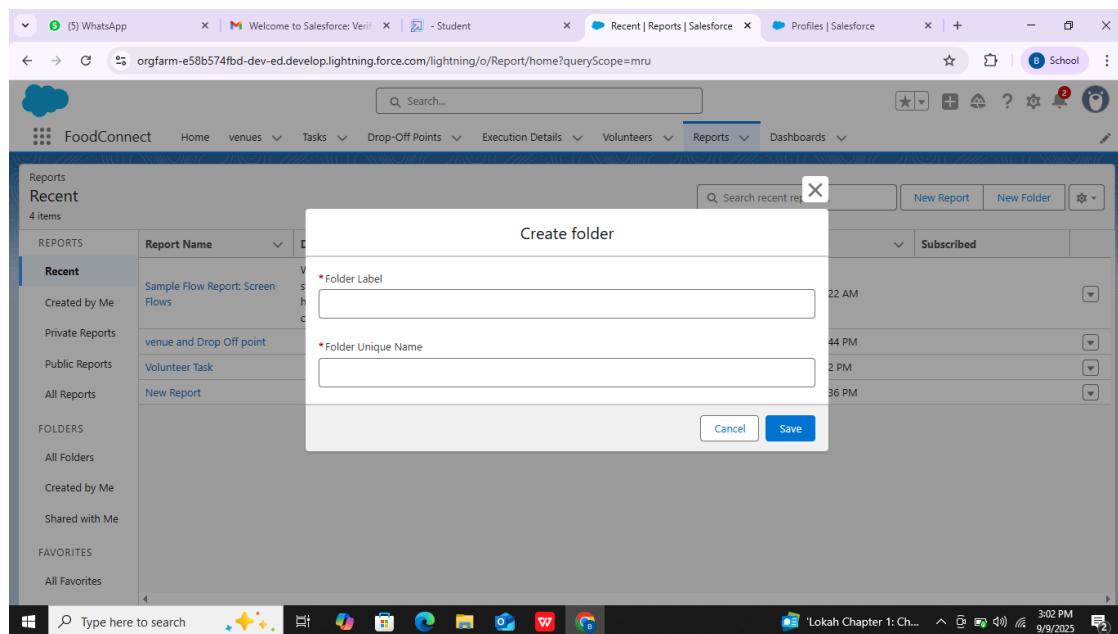
# Dashboards:

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

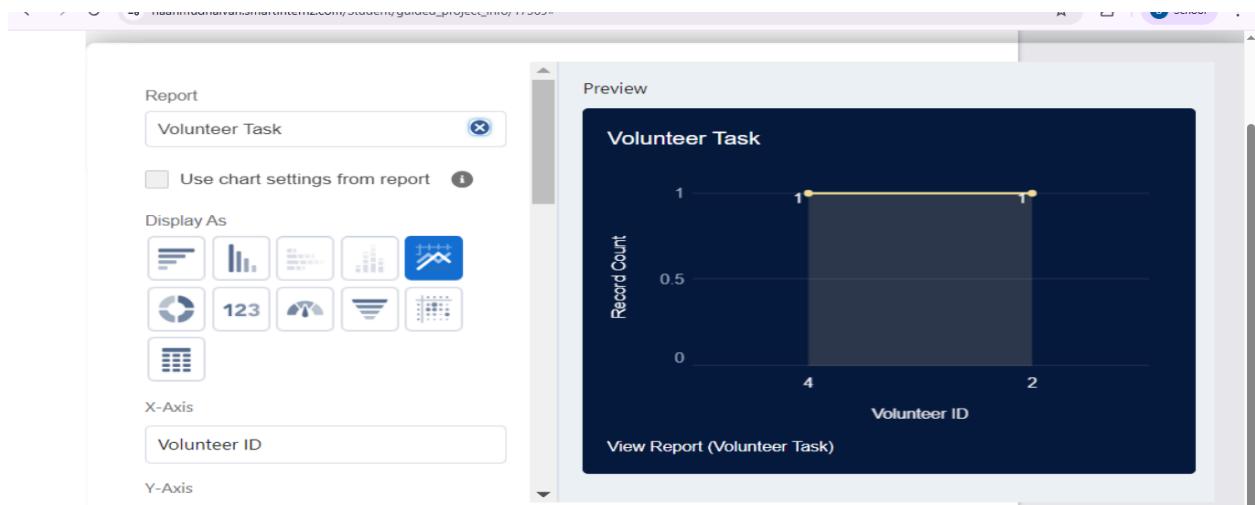
Folder Label : Custom Dashboards

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



In Add



1. Now click on save.

The screenshot shows a dashboard titled 'Task Execution Details'. At the top, there is a message: 'Last refreshed 3 days ago. Refresh this dashboard to see the latest data.' Below this, it says 'As of Sep 5, 2025, 10:39 PM Viewing as JAISHREE M'. There are buttons for 'Refresh', 'Edit', and 'Subscribe'. The main area contains a chart placeholder with the text 'We can't draw this chart because there is no data.' and a 'View Report (Volunteer Task)' button. Below this is another section with a placeholder for 'venue and Drop Off point'. The dashboard is set against a light blue background with a wavy pattern.

Component:

Display As : Select Lightning Table

Component Theme : Select Dark (Optional)

## Adding a Picture to the Dashboard:

1. Click on Widget and select Image. Then click on Browse Files.
2. Then Select the Picture you want to upload in this Dashboard.
3. Then click on Save As :

Name : Task Execution Details

Click on Select Folder and select Custom Dashboards

- Click on Select Folder and then Save.

The screenshot shows the FoodConnect application running on a Windows operating system. The main window displays a dashboard with a chart area that says "We can't draw this chart because there is no data." Below the chart is a section titled "Food Connect" with the subtitle "To supply leftover food to the poor" and a small image of people sharing food. The top navigation bar includes links for Home, venues, Tasks, Drop-Off Points, Execution Details, Volunteers, Reports, and Dashboards. The taskbar at the bottom shows various open applications like File Explorer, Microsoft Word, and Microsoft Edge, along with the system clock showing 3:06 PM and the date 9/9/2025.

## Sharing Rules:

- Sharing Settings in quick find box >> Click on the Sharing Settings.
- Scroll down and find Drop-Off point Sharing Rules.
- Click on new near Drop-Off point Sharing Rules and Name it as:  
Label : Rule 1  
Rule Name : Rule\_1
- Select your rule type : Select Based on criteria.
- Select which records to be shared:  
Field : Operator : Value = Distance : less than : 15
- Select the users to share with : Near Share With  
Public Groups : Iksha
- Click on Save.
- Click on new near Drop-Off point Sharing Rules and Name it as:  
Label : Rule 2  
Rule Name : Rule\_2
- Select your rule type : Select Based on criteria.
- Select which records to be shared:  
Field : Operator : Value = Distance : greater than : 15  
Field : Operator : Value = Distance : less or equal : 30
- 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:

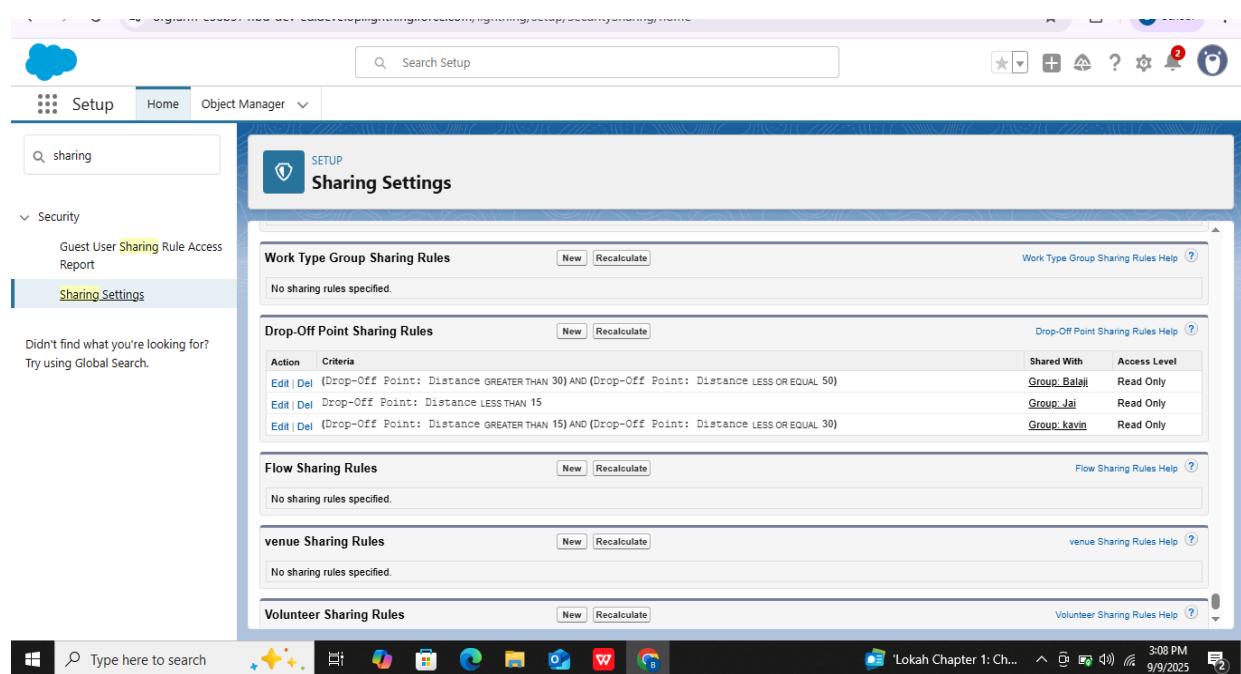
Field : Operator : Value = Distance : greater than : 30

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. 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

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

The screenshot shows the Salesforce Lightning App Builder interface. On the left, there's a sidebar with 'Feature Settings' expanded, showing 'Service', 'Field Service', 'Field Service Mobile' (with 'Field Service Mobile App Builder' selected), and 'User Interface'. Under 'User Interface', 'Lightning App Builder' is also selected. A search bar at the top has 'app buil' typed into it. The main area is titled 'Lightning App Builder' and contains a section about the builder's purpose. Below this is a table titled 'Lightning Pages' with one row:

Action	Label	Name	Namespace Prefix	Description	Type	Created By	Last Modified By
Edit   Clone   Del	HOME Page	HOME_Page			Home Page	jai 9/5/2025, 11:06 PM	jai 9/5/2025, 11:06 PM

At the bottom of the page, there's a note: 'Didn't find what you're looking for? Try using Global Search.' The browser address bar shows the URL: <https://orgfarm-e58b574fbdb-dev-ed.develop.lightning.force.com/lightning/setup/FlexiPageList/home>.

The screenshot shows the Salesforce Lightning App Builder interface for creating a new Lightning Page. The 'Components' sidebar on the left lists various standard components. The main area is titled 'HOME Page - Lightning App' and shows the configuration for the new page. The 'Page' section on the right includes fields for 'Label' (set to 'HOME Page'), 'API Name' (set to 'HOME\_Page'), 'Page Type' (set to 'Home Page'), and 'Template' (set to 'Standard Home Page'). The 'Description' field is empty. At the top right, there are buttons for 'Activation...' and 'Save'.

Click on Save and Activation, then click on App Default, then Add Assignments.  
Add FoodConnect App and then Save.  
FoodConnect Home Page would Look Like this.

# 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.

## APPENDIX

- **Source Code:** Provided in Apex Triggers

```
trigger DropOffTrigger on Drop_Off_point__c (before insert) {  
    for(Drop_Off_point__c Drop : Trigger.new){  
        Drop.Distance__c = Drop.distance_calculation__c;  
    }  
}
```