

**TO SUPPLY LEFTOVER FOOD TO POOR**



**SAVE FOOD FOR POOR**

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## **Abstract**

**Supplying leftover food to the poor** involves creating systems to collect, distribute, and manage food donations efficiently. Here's an abstract on the concept:

The project aims to address food waste and hunger by developing a network that supplies surplus food to the needy. Restaurants, grocery stores, and households generate a significant amount of food waste daily, while many people struggle with food insecurity. This initiative seeks to bridge the gap by collecting unsold but safe-to-consume food and redistributing it to homeless shelters, food banks, and underprivileged communities. The system includes a digital platform to coordinate donations, volunteers, and delivery services, ensuring timely distribution and reducing food spoilage. Through collaboration with food providers, logistics companies, and government bodies, the project aims to minimize waste, support sustainability, and alleviate hunger in underserved populations.

This approach can have a significant social and environmental impact, reducing both food waste and hunger simultaneously.

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# 1.Salesforce developer account creation

## Creating Developer Account

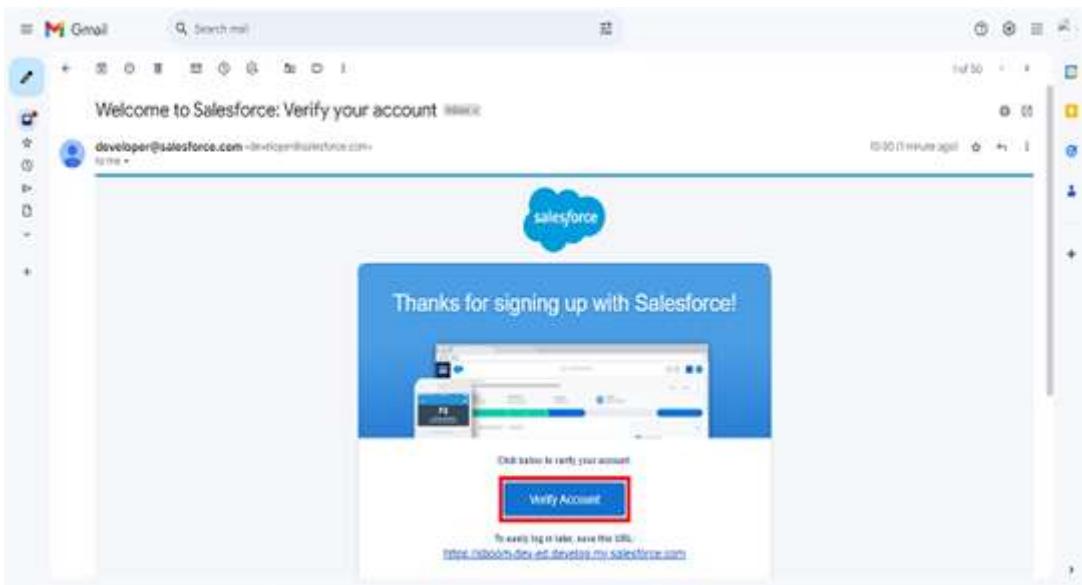
Creating a developer org in salesforce.

1. Go to <https://developer.salesforce.com/signup>
2. On the sign up form, enter the following details:

The image contains two side-by-side screenshots of the Salesforce Developer Edition sign-up process. The left screenshot shows the initial landing page with a blue background, featuring a computer monitor displaying a dashboard, and text encouraging users to build enterprise-quality apps. Below this, a bulleted list of features includes: Build apps fast with drag and drop tools, Customize your data model with clicks, Go further with Apex code, Integrate with anything using powerful APIs, Stay protected with enterprise-grade security, and Customize UI with clicks or any leading-edge web framework. The right screenshot shows the actual sign-up form with a white background. It includes a Salesforce logo at the top, followed by the heading 'Sign up for your Salesforce Developer Edition' and a subtext 'A full-featured copy of the Platform, for free.' Below this is a descriptive message: '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 several input 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 title' (a dropdown menu), 'Company\*' with placeholder 'Company Name' (a dropdown menu), and 'County\*' with placeholder 'India' (a dropdown menu). All fields have their respective asterisk labels indicating they are required.

- a. First name & Last name
- b. Email
- c. Role: Developer
- d. Company: College or Company Name
- e. County: India
- f. Postal Code: pin code
- g. 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.

The screenshot shows the "Change Your Password" page. It prompts the user to enter a new password for lead@sb.com, specifying that it must include at least 8 characters, 1 letter, and 1 number. The "New Password" and "Confirm New Password" fields are highlighted with a red border. Below these are "Security Question" and "Answer" fields, also highlighted with a red border. A "Change Password" button is at the bottom.

Change Your Password

Enter a new password for lead@sb.com.  
Make sure to include at least:

- 8 characters
- 1 letter
- 1 number

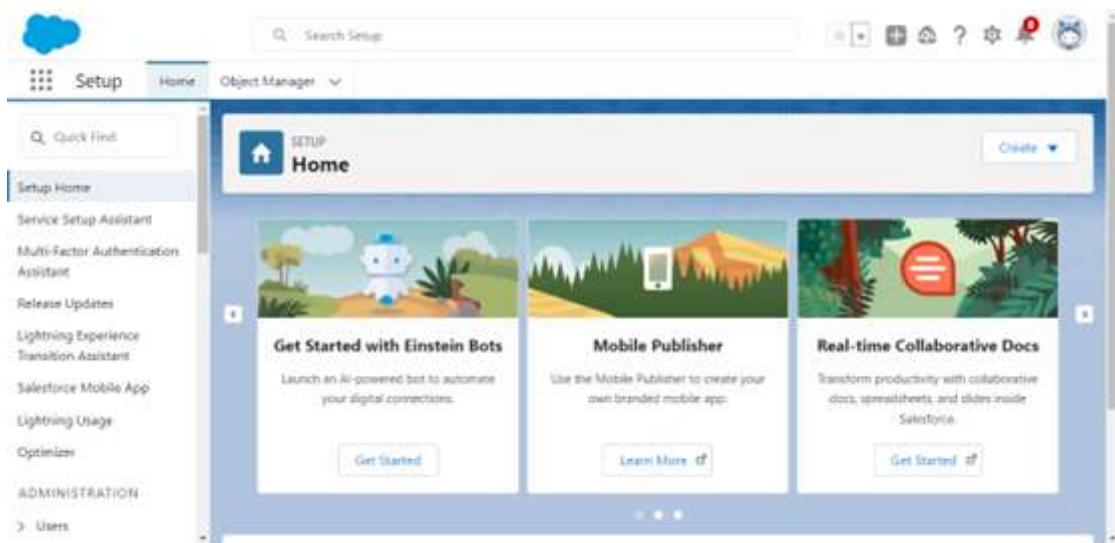
\* New Password  
.....

\* Confirm New Password  
.....

Security Question  
\* In what city were you born?

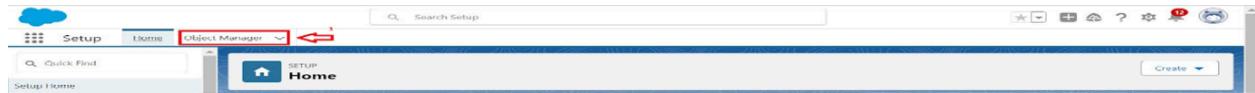
\* Answer  
asdfghjk!

Change Password



# Account Activation

1. Go to the inbox of the email that you used while signing up. Click on the verify account to activate your account. The email may take 5-10mins.



- 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.



# Object

To Navigate to Setup page:

To create an object:

- From the setup page > Click on Object Manager > Click on Create > Click on Custom Object.
  - On Custom object defining page:
  - Enter the label name, plural label name, click on Allow reports, Allow search.

- Click on Save

## Create Venue Object

To create an object:

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

## **Create Task 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>> 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
- 2.Click on Allow reports and Track Field History, Allow Activities
- 3.Allow search >> Save.

## **Create Execution Details Object**

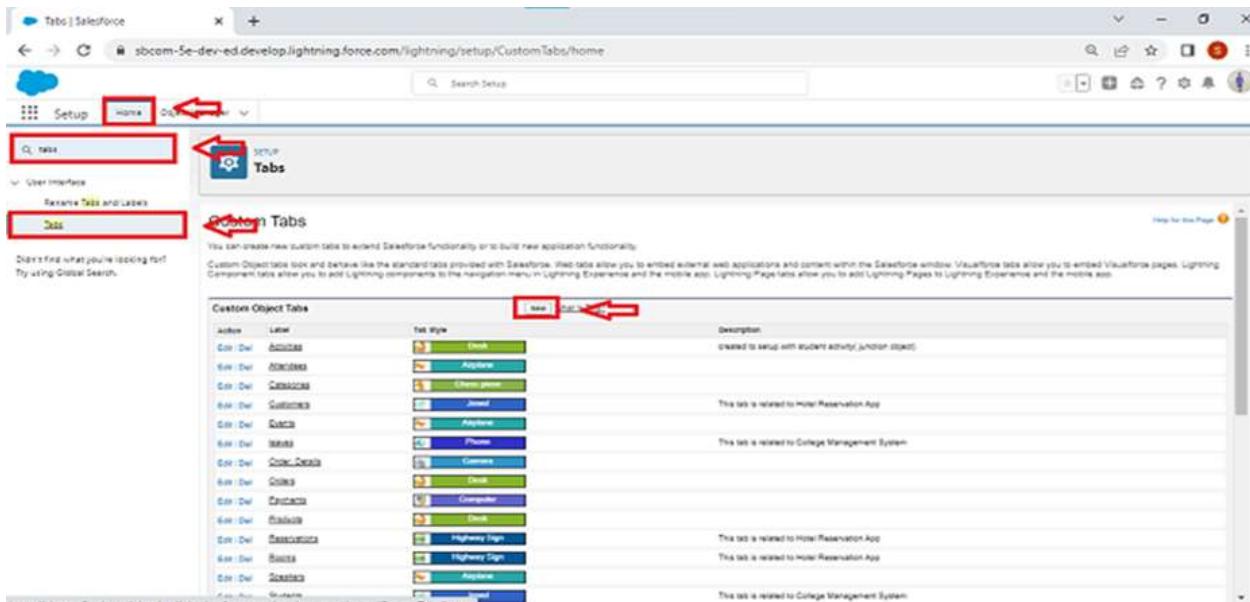
To create an object:

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

# Tools

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

## Creating Remaining Tabs

1. Now create the Tabs for the remaining Objects, they are “Drop-Off Point, Task, Volunteer, Execution Details”.
2. Follow the same steps as mentioned in Activity -1 .

# The Lightning App

## 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.

The screenshot shows the Salesforce App Manager interface. At the top, there's a search bar and a navigation bar with tabs like Setup, Home, Object Manager, and a search field. Below the navigation is a sidebar with sections for 'Q app manager', 'Apps', and 'AppManager'. A red arrow points to the 'AppManager' section. The main content area is titled 'Lightning Experience App Manager' and contains a sub-section '(Clone) (Preview Beta)'. On the right side of this title, there are two buttons: 'New Lightning App' and 'New Connected App', both highlighted with red arrows. Below this, there's a note about cloning existing apps and a toggle switch for 'Enable App Cloning'. The bottom half of the screen is a table listing 35 items, sorted by App Name, with columns for App Name, Developer Name, Description, Last Modified, App Type, and VU. The table includes entries for various Salesforce built-in apps like All Tabs, Analytics Studio, App Launcher, etc.

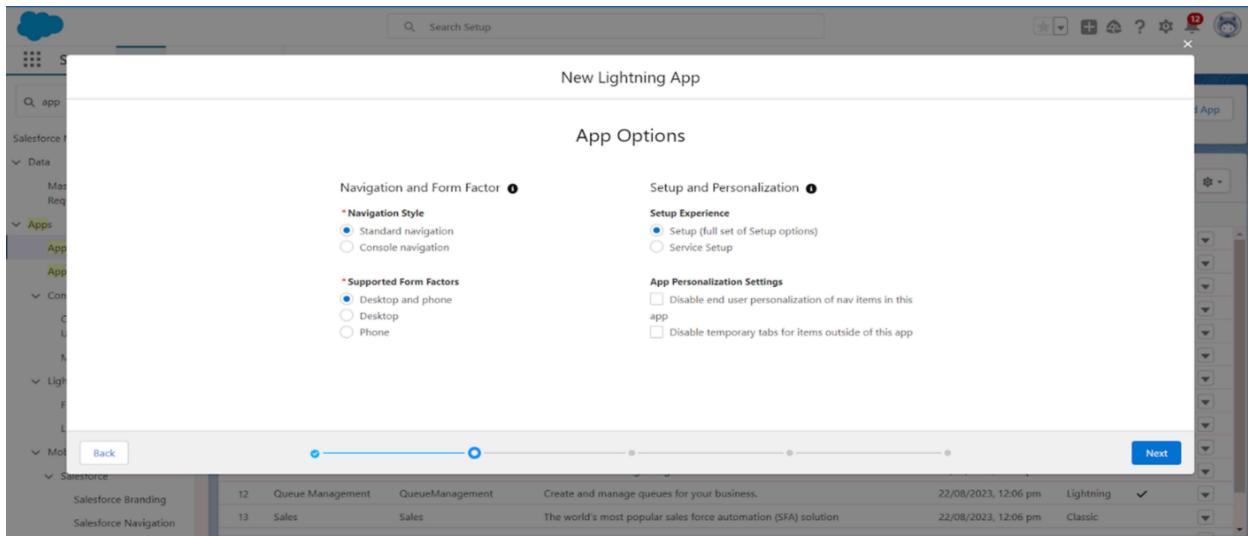
2. Fill the app name in app details and branding as follow

App Name: FoodConnect

Developer Name: This will auto populated

Image : optional (if you want to give any image you can otherwise not mandatory) Primary colour hex value : keep this default.

3. Then click Next >> (App option page) Set Navigation Style as Standard Navigation >> Next.



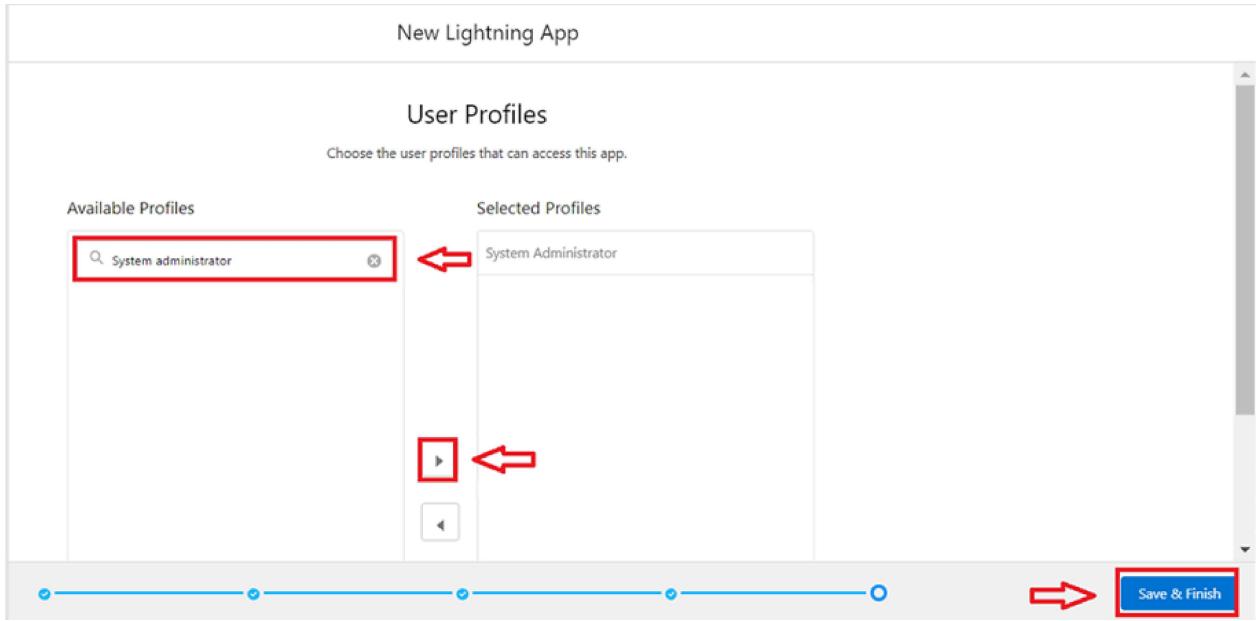
4. (Utility Items) keep it as default >> Next.

5. To Add Navigation Items:

Available Items	Selected Items
Home	Home
Venues	Venues
Tasks	Tasks
Drop-Off points	Drop-Off points
Execution Details	Execution Details
Volunteers	Volunteers
Reports	Reports
Dashboards	Dashboards

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:



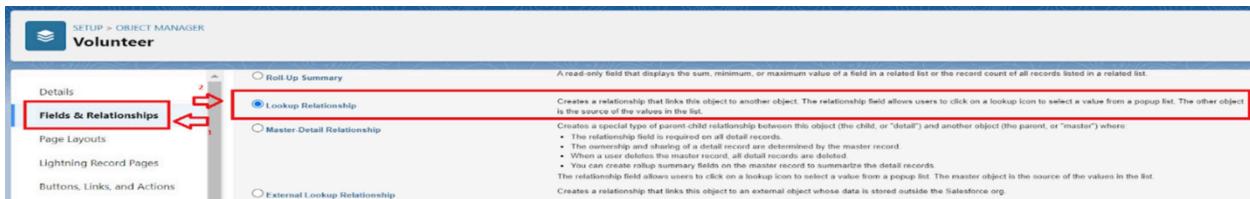
Search profiles (System administrator) in the search bar >> click on the arrow button >> save & finish.

# Fields

## 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.



1. Now click on “Fields & Relationships” >> New
2. Select Master Detail relationship
3. Select the related object “Drop-Off point” and click next.
  1. Field Name : Drop\_Off\_point
  2. Field label : Auto generated
  3. Next >> Next >> Save.

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

1. Go to setup >> click on Object Manager >> type object name(Execution Details) 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 “Volunteer” and click next.
5. Field Name : Volunteer
6. Field label : Auto generated
7. Next >> Next >> Save.

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

1. Go to setup >> click on Object Manager >> type object name(Execution Details) 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 “Task” and click next.
5. Field Name : Task
6. Field label : Auto generated
7. Next >> Next >> Save.

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

1. Go to setup >> click on Object Manager >> type object name(Task) in the search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Lookup relationship
4. Select the related object “Drop-Off Point” and click next.
5. Field Name : Venue
6. Field label : Venue\_\_c
7. Next >> Next >> Save.

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

1. Go to setup>> click on Object Manager >> type object name(Task) in the search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Lookup relationship
4. Select the related object “Venue” and click next.
5. Field Name: Sponsored By
6. Field label: Auto generated
7. Next >> Next >> Save.

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

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

## **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:**

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 “Phone” and Click on Next
4. 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:**

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 “Long Text Area” and Click on Next
4. Fill the Above as following:
  - Field Label : Venue Location
  - Field Name : Venue\_Location
  - Click on Next >> Next >> Save and new.

**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.

The screenshot shows the 'Formula Options' dialog box. The 'Formula Return Type' is set to 'Number'. The formula entered is: DISTANCE( Location\_2\_\_c , Venue\_\_r.Location\_\_c , 'km'). The formula bar has a red border around it.

### 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 “Picklist” and Click on Next
4. Fill the Above as following:
  - Field Label : State
  - Field Name : State
  - Enter values, with each value separated by a new line :

Andhra Pradesh

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

Tripura

Telangana

Uttar Pradesh

Uttarakhand

West Bengal

Andaman & Nicobar (UT)

Chandigarh (UT)

Dadra & Nagar Haveli and Daman & Diu (UT)

Delhi [National Capital Territory (NCT)]

Jammu & Kashmir (UT)

Ladakh (UT)

Lakshadweep (UT)

Puducherry (UT)

- 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 “Number” and Click on Next
4. Fill the Above as following:

- Field Label : Distance
- Field Name : Distance
- Length : 14
- Decimal Places : 4
- Click on required check box
- Click on Next >> Next >> Save and new.

## **Creation of fields for the Task object**

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:**

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 “Picklist (Multi-Select)” and Click on Next
4. 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:**

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 “Number” and Click on Next
4. 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:**

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 “Text” and Click on Next
4. 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:**

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 “Phone” and Click on Next
4. 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:**

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 “Pick List” and Click on Next
- 4.** Fill the Above as following:
  - Field Label : Rating
  - Field Name : Rating
  - Enter values, with each value separated by a new line :

1  
2  
3  
4  
5

- 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 “Long Text Area” and Click on Next
- 4.** Fill the Above as following:
  - Field Label : Feedback
  - Field Name : Feedback
  - Click on Next >> Next >> Save and new.

#### **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.

**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:**

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 “Date” and Click on Next

**4.** 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:**

**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 “Number” and Click on Next

**4.** 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:**

**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 “Email” and Click on Next

**4.** 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:**

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 “Number” and Click on Next
4. 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:**

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 “Text Area (Long)” and Click on Next
4. 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:**

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 “Date” and Click on Next

**4.** Fill the Above as following:

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

### **Creation of fields for the Execution Details 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

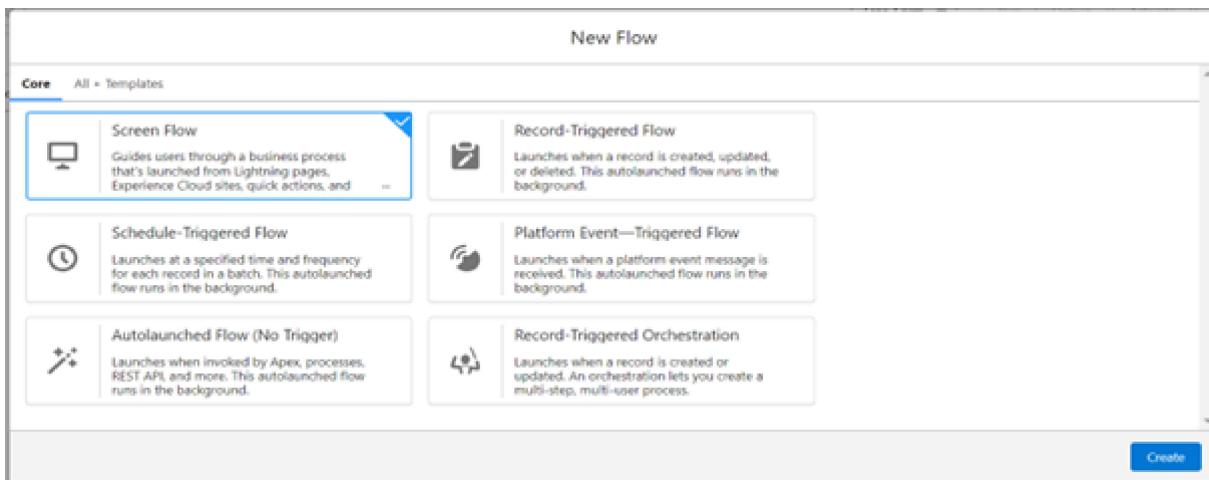
4. Fill the Above as following:

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

# FLOWs

## 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.



1. Click on the '+' icon in between start and end, and click on screen element.
2. Under the Screen Properties:
  - Label : Venue Details
  - API Name : Venue\_Details
1. Now lets add components in this flow. Click on Text Component and name it as:
  - Label : Venue Name
  - API Name : Venue\_Name
1. Click on Email Component and name it as:
  - Label : Email
  - API Name : Contact\_Email
1. Click on Phone Component and name it as:
  - Label : Phone
  - API Name : Contact\_Phone
1. Click on Text Component and name it as:
  - Label : Venue Location
  - API Name : Venue\_Location

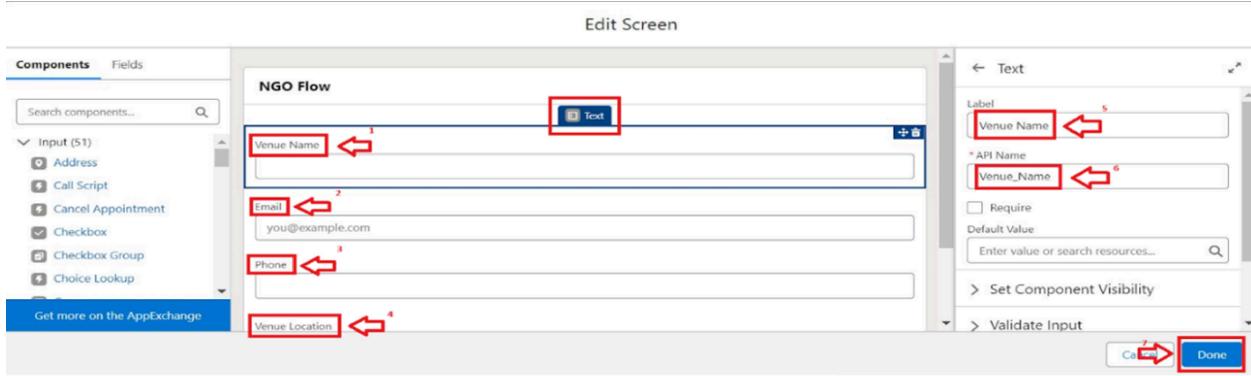
1. Click on Number Component and name it as:

Label : Latitude  
API Name : Latitude

1. Click on Number Component and name it as:

Label : longitude  
API Name : longitude

1. Next click on Done. This would like below



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

2. 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}

1. This would look like:

Create a Record of This Object

* Object	Venue
----------	-------

Set Field Values for the Venue

Field Contact_Email_c	Value A_a Contact_Email > Value X	✖
Field Contact_Phone_c	Value A_a Contact_Phone > Value X	✖
Field Name	Value A_a Venue_Name X	✖
Field Venue_Location_c	Value A_a location X	✖

**1.** Click on Save as:

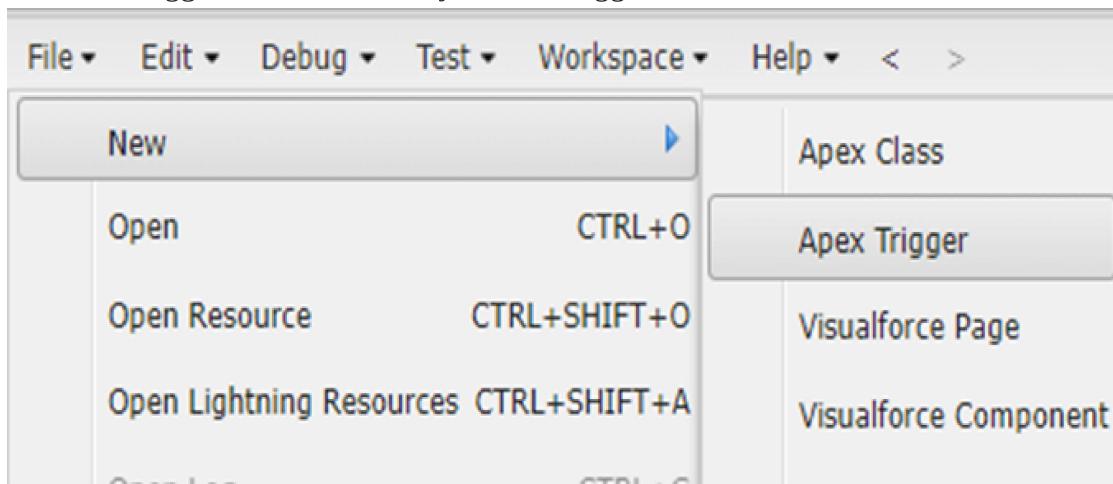
Flow Label : Venue Form

Flow API Name : Venue\_Form

# Trigger

## 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.



Enter Name : DropOffTrigger

sObject: Drop-Off Point

Click on Submit.

## 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**

**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

## **Creation of Users**

In our Project we consider them as NGO’s

### **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.

### **Creation of User2, User3**

- 1.** Create another Two Users by following steps in Activity - 1 with similar User License and Profile.
- 2.** Give Different First Name, Last Name based on Different NGO's.

# Public Groups

## Creation of Public Group 1

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

## Creation of Public Group 2

1. By Following Steps in Activity 1, Create other two Public Groups for other two users.
2. After Saving this would look like this.

Action	Label	Group Name	Created By	Created Date
Edit   Del	Iksha	Iksha	Bhargavi Pala	26/03/2024, 2:27 pm
Edit   Del	NSS	NSS	Bhargavi Pala	26/03/2024, 2:27 pm
Edit   Del	Street_Cause	Street_Cause	Bhargavi Pala	26/03/2024, 2:26 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

**1.** Click on Next

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

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

**4.** Now again Near Click to relate another Object Select Volunteers.

**5.** 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

1. Open Custom Reports and click on New Report

2. Select Report Type : Venue with DropOff with Volunteer

3. Then click on Start Report.

4. In GROUP ROWS : Add Volunteer Name

5. In Columns : Add Venue Name, Drop-Off point Name, Distance.

The screenshot shows the FoodConnect report builder interface. On the left, there's a sidebar with 'Outline' and 'Filters'. Under 'Groups', there's a 'GROUP ROWS' section with 'Add group...' and a 'Volunteer Name' search field. Below it is a 'GROUP COLUMNS' section with 'Add group...' and three columns selected: 'Venue Name', 'Drop-Off point Name', and '# Distance'. On the right, the main area shows a preview of a report with the following data:

Previewing a limited number of records. Run the report to see everything.			
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	-	-
Subtotal			6,936.3488
Total (4)			6,936.3488

1. Now click on Save & Run.

2. Give Label as :

3. Report Name : venue and Drop Off point

4. Report Unique Name : Auto Populated

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

## Creation of Report on Volunteers with Execution Details and Tasks

1. Go to the app(FoodConnect) >> click on the reports tab

2. Click on Custom Reports Folder and click on New Report

3. Select Report Type : Volunteers with Execution Details and Tasks.

- 4.** Then click on Start Report.
- 5.** In GROUP ROWS : Volunteer ID
- 6.** In Columns : Add Volunteer : Volunteer Name, Task : Task Name, Execution Detail : Execution Detail Name, Volunteer: Owner Name, Task: Date, Task : Rating.

The screenshot shows a report configuration interface with the following details:

- REPORT:** Volunteer Task / Volunteers with Execution Details and Tasks
- Fields:**
  - Outline:** GROUP ROWS (Volunteer ID), GROUP COLUMNS (None)
  - Columns:** Volunteer: Volunteer Name, Task: Task Name, Execution Detail: Execution Detail Name, Volunteer: Owner Name, Task: Date, Task: Rating
- Preview:** Previewing a limited number of records. Run the report to see everything. Update Preview Automatically: checked.
- Data Preview:**

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>						
- Buttons:** Add Chart, Save & Run, Save, Close, Run

- 1.** Now click on Save & Run.
- 2.** 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

## 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

**1.** Open Custom Dashboards and click on New Dashboards

**2.** Name : Organization Details

**3.** Click on Widget and select Chart or Table

**4.** In Select Report : Select venue and Drop Off point Report.

**5.** Then click on select

**6.** In Add Component:

Display As : Select Lightning Table

Component Theme : Select Dark (Optional)

The screenshot shows the Salesforce report builder interface. On the left, under 'Report' settings, the report name is 'venue and Drop Off point'. There is a checkbox for 'Use chart settings from report' which is unchecked. Under 'Display As', there is a grid of icons representing different chart types, and the 'Lightning Table' icon is selected. Below that, there are sections for 'Groups' and 'Columns'. On the right, under 'Preview', the report is displayed as a table titled 'venue and Drop Off point'. The table has three columns: 'Venue Name', 'Drop-Off point Name', and 'Distance'. The data rows are:

Venue Name	Drop-Off point Name	Distance
La Royale Banquet Hall.	Shapur	5.1161
La Royale Banquet Hall.	Jeedimetla	6.9030k
Paradise Garden Function Hall	Suraram Village	28.2332
Ujwala Grand	-	-

At the bottom of the preview, there is a link 'View Report (venue and Drop Off point)'.

**1.** 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)



1. Now click on save.

### Adding a Picture to the Dashboard (Optional)

(Note : To upload an image into the Dashboard, we have to first download an image from google or other sources into your system)

**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

**4.** Click on Select Folder and then Save.

The screenshot shows a dashboard titled 'Task Execution Details'. At the top, there's a header with a user icon, the title 'Task Execution Details', and a timestamp 'As of 29-Mar-2024, 9:55 am Viewing as Pals Dhangari'. On the right, there are buttons for 'Refresh', 'Edit', 'Subscribe', and a dropdown. The dashboard features two main components: a table on the left and a chart on the right. The table is titled 'venue and Drop Off point' and has columns for 'Venue Name', 'Drop Off point Name', and 'Distance'. It lists four rows: La Royale Banquet Hall to Shapur (5.1161 km), La Royale Banquet Hall to Jeedimurte (6.9030 km), Paradise Garden Function Hall to Suram Village (28.2332 km), and Ujwala Grand (-, -). Below the table is a link 'View Report (venue and Drop Off point)'. To the right is a chart titled 'Volunteer Task' with 'Volunteer ID' on the x-axis and 'Record Count' on the y-axis. It shows a single data point at Volunteer ID 4 with a value of 1.0. Below the chart is a link 'View Report (Volunteer Task)'. To the far right of the dashboard is a photograph of a person in a green apron handing out food from a white bowl to another person.

# 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

**1.** Select your rule type : Select Based on criteria.

**2.** Select which records to be shared:

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

**1.** Select the users to share with : Near Share With

Public Groups : Iksha

**1.** Click on Save.

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

Label : Rule 2

Rule Name : Rule\_2

**1.** Select your rule type : Select Based on criteria.

**2.** Select which records to be shared:

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

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

**1.** Select the users to share with : Near Share With

Public Groups : NSS

**1.** Click on Save.

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

Label : Rule 3

Rule Name : Rule\_3

**1.** Select your rule type : Select Based on criteria.

**2.** Select which records to be shared:

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

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

**1.** Select the users to share with : Near Share With

Public Groups : Street Cause

**1.** Click on Save.

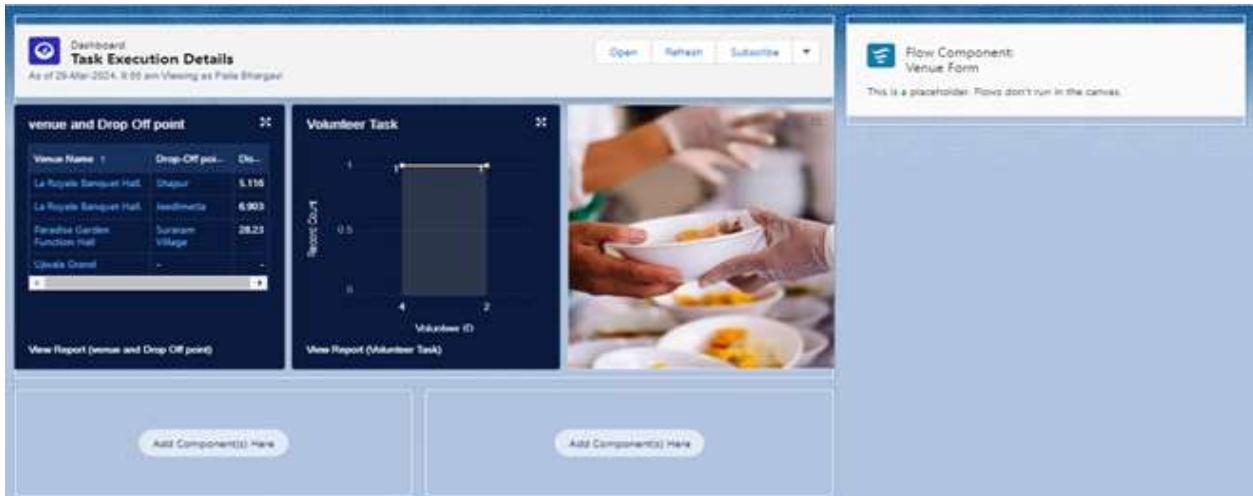
Drop-Off point Sharing Rules		<a href="#">New</a>	<a href="#">Recalculate</a>	<a href="#">Drop-Off point Sharing Rules Help</a> 
Action	Criteria	Shared With	Access Level	
<a href="#">Edit</a>   <a href="#">Del</a>	Drop-Off point: Distance LESS OR EQUAL 15	<a href="#">Group: lksha</a>	ReadWrite	
<a href="#">Edit</a>   <a href="#">Del</a>	(Drop-Off point: Distance GREATER THAN 15) AND (Drop-Off point: Distance LESS OR EQUAL 30)	<a href="#">Group: NSS</a>	ReadWrite	
<a href="#">Edit</a>   <a href="#">Del</a>	(Drop-Off point: Distance GREATER THAN 30) AND (Drop-Off point: Distance LESS OR EQUAL 50)	<a href="#">Group: StreetCause</a>	ReadWrite	

# Home Page

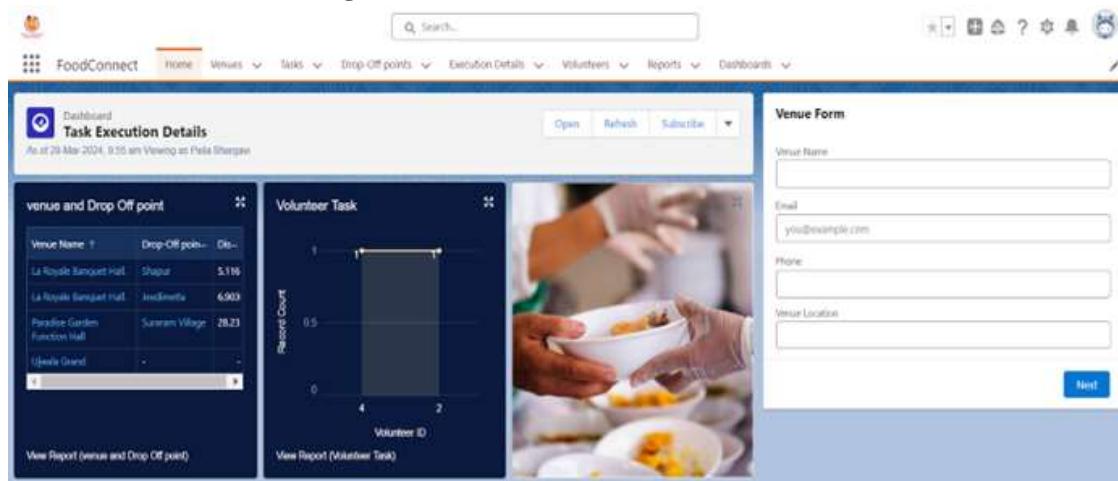
## Creation of Home Page

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

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



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



# **Conclusion**

## **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.