

SHIVANI ENGINEERING COLLEGE

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Project title

TO SUPPLY LEFTOVER FOOD TO POOR

TEAM MEMBERS

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Platform: Salesforce Developer

Data of submission: 01/11/2025

Project Description

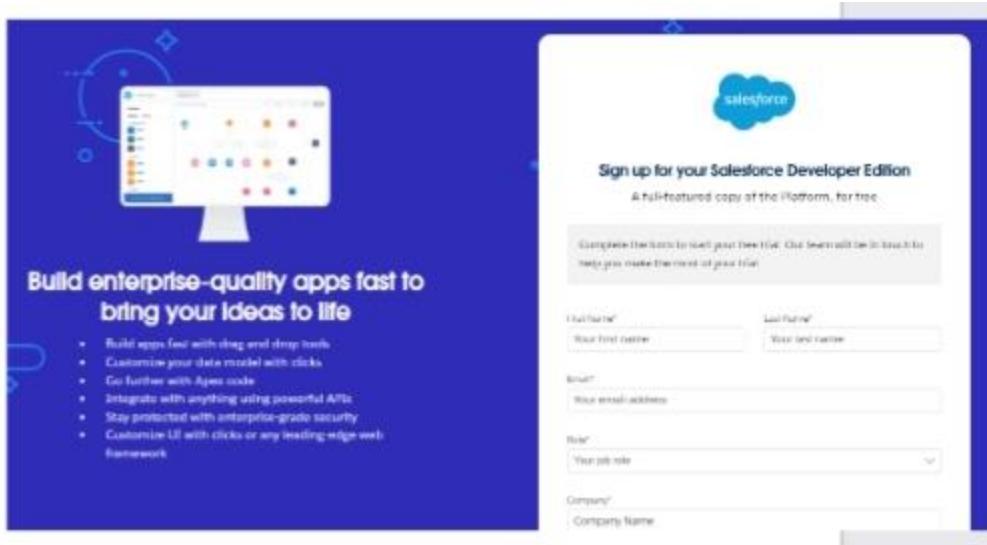
This project aims to collect surplus or leftover food from restaurants, hotels, events, and households and distribute it to underprivileged communities. By creating an efficient food collection and delivery network, the project helps reduce food waste while addressing hunger. Through collaboration with volunteers and local NGOs, the initiative ensures safe, timely, and hygienic food distribution to those in need, promoting social responsibility and sustainability.

Creating Developer Account

1.Creating a developer org in salesforce.

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

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



1. First name & Last name
2. Email
3. Role : Developer
4. Company : College or CompanyName
5. county : India
6. Postal Code : pin code

Username : should be a combination of your name and company

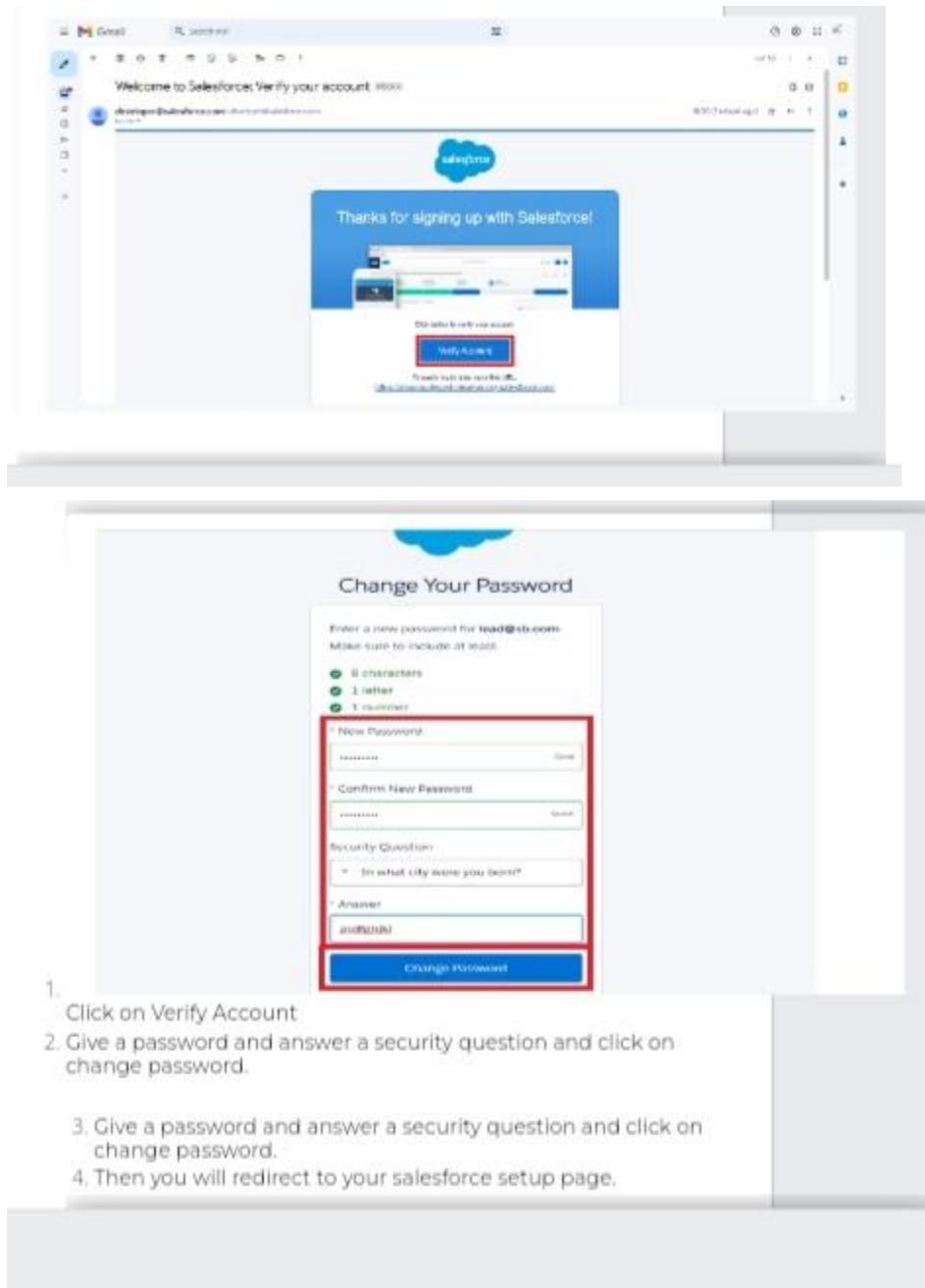
This need not be an actual email id, you can give anything in the format :

username@organization.com

Click on sign me up after filling these.

Account Activation

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.



Click on Verify Account

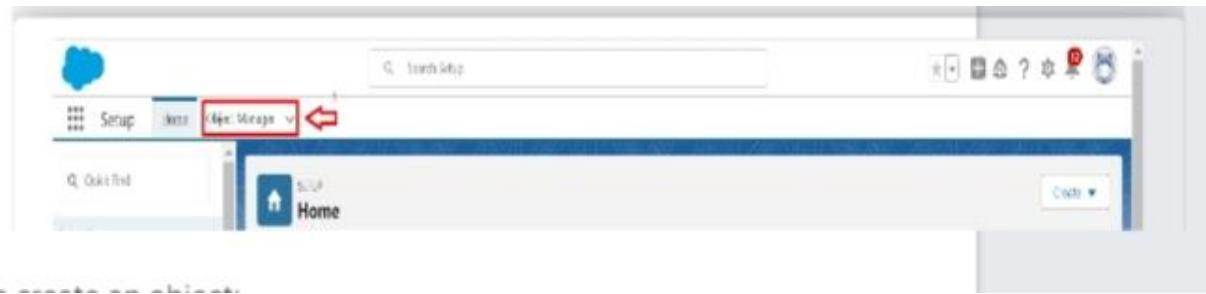
Give a password and answer a security question and click on change password.

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

Then you will redirect to your salesforce setup page.

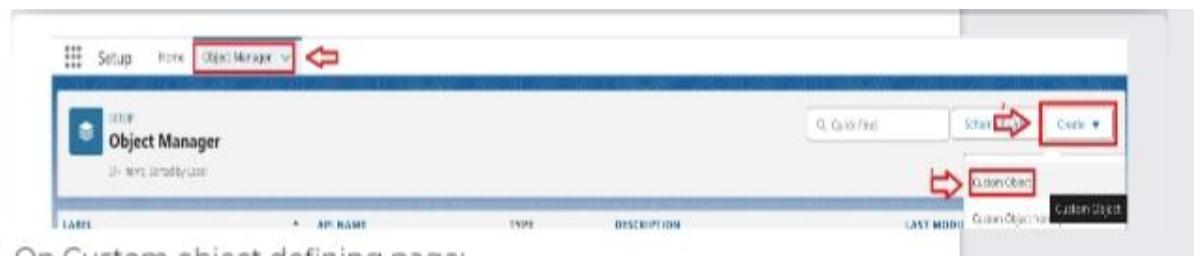
Object

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.

Custom Object Definition Edit

Custom Object Information

The singular and plural labels are used in lists, search results, and reports.

Plural Label: Venues
Record Name: Venue

The Object Name is used when referencing the object via URLs.

Object Name: Venues

Description:

Common Reference Rule Settings:

- Open this standard relationship from Help & Training section
- Open in ribbon using in Page Layouts

Content Name: Venues

Event Record Name Label and Format:

This Record Name appears in page layouts, Heritages, and other places where the object is referenced. For example, the Record Name for Accounts is "Account Name" and for Cases it is "Case Number". Note that the Record Name field is always joined to name when referenced via the API.

Record Name: Venue Name

Data Type: Text

Optional Features:

- Allow Reports
- Track Field History

Object Classification:

When these settings are enabled, the object is described as an Enterprise Application object. When these settings are disabled, this object is described as a Light Application object. Learn more.

- Allow Activities
- Allow Bulk API Queries
- Allow Streaming API Access

Employment Status:

- In Development
- Deployed

Search Status:

When this setting is enabled, your users can find records of this object type when they search. Learn more.

Allow Search

Object Creation Options (Available only when custom object is first created)

- Add Name and Activities related to in default page layout
- Launch New Custom Tab Wizard after saving this custom object

Buttons:

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:

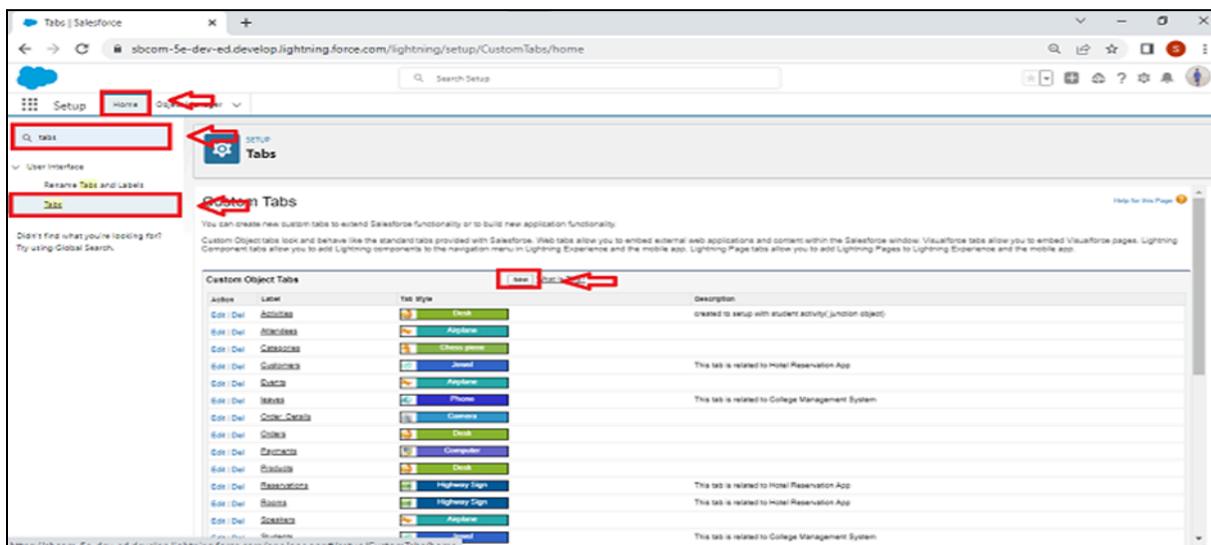
1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
 1. Enter the label name >> Execution Detail
 2. Plural label name >> Execution Details
 3. Enter Record Name Label and Format

- Record Name >> Execution Detail Name
 - Data Type >> Text
2. Click on Allow reports and Track Field History, Allow Activities
 3. Allow search >> Save.

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)



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 .

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 with 'app manager' typed in. Below it, there are tabs for 'Setup', 'Home', and 'Object Manager'. A red box highlights the 'Setup' tab. On the left, there's a sidebar with 'Q app' and a list of categories: 'Salesforce', 'Data', 'Apps', 'Con...', 'C...', 'U...', 'N...', 'Light...', 'F...', 'L...'. Under 'Apps', there's a sub-menu with 'App', 'App...', 'Con...', 'C...', 'U...', 'N...', 'Light...', 'F...', 'L...'. A red box highlights the 'App' item in this sub-menu. To the right, the main area is titled 'Lightning Experience App Manager'. It has a sub-header 'Clone Apps(Beta)' with a red arrow pointing to it. Below that is a note about cloning existing apps. There's a toggle switch for 'Enable App Cloning' set to 'Disabled'. At the bottom, there's a table titled '35 items > Sorted by App Name > Filtered by All appmenuitems - TestSet Type'. The table has columns for 'App Name', 'Developer Name', 'Description', 'Last Modified', 'App Type', and 'V...'. A red box highlights the 'New Lightning App' button at the top right of the main content area.

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 'App Options' page. On the left, there's a sidebar with 'Q app' and a list of categories: 'Salesforce', 'Data', 'Apps', 'Con...', 'C...', 'U...', 'N...', 'Light...', 'F...', 'L...'. Under 'Apps', there's a sub-menu with 'App', 'App...', 'Con...', 'C...', 'U...', 'N...', 'Light...', 'F...', 'L...'. A red box highlights the 'App' item in this sub-menu. The main area is titled 'New Lightning App'. It has a sub-header 'App Options'. There are two main sections: 'Navigation and Form Factor' and 'Setup and Personalization'. In 'Navigation and Form Factor', the 'Navigation Style' is set to 'Standard navigation' (radio button selected). In 'Setup and Personalization', the 'Setup Experience' is set to 'Setup (full set of Setup options)' (radio button selected). At the bottom, there's a progress bar with five steps. The second step is highlighted in blue. A red box highlights the 'Next' button at the bottom right. The bottom part of the screen shows 'Salesforce Branding' and 'Salesforce Navigation' sections with various configuration options.

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

5. To Add Navigation Items:

The screenshot shows a 'Available Items' list on the left and a 'Selected Items' list on the right. The 'Available Items' list includes: Accounts, All Sites, Alternative Payment Methods, Analytics, App Launcher, Appointment Categories, Appointment Invitations, Approval Requests, Asset Action Sources, and Asset Actions. The 'Selected Items' list includes: Home, Venues, Tasks, Drop-Off points, Execution Details, Volunteers, Reports, and Dashboards. There are arrows between the two lists for moving items.

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

6. To Add User Profiles:

The screenshot shows the 'User Profiles' section of a 'New Lightning App'. It allows selecting user profiles that can access the app. The 'Available Profiles' list has 'System administrator' selected and highlighted with a red box and an arrow. The 'Selected Profiles' list contains 'System Administrator'. A blue progress bar at the bottom indicates the step is complete. The 'Save & Finish' button is highlighted with a red box and an arrow.

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

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.

SETUP > OBJECT MANAGER
Volunteer

Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions

Roll-Up Summary
Lookup Relationship
Master-Detail Relationship
External Lookup Relationship

A read-only field that displays the sum, minimum, or maximum value of a field in a related list or the record count of all records listed in a related list.
Creates a relationship that links this object to another object. The relationship field allows users to click on a lookup icon to select a value from a popup list. The other object is the source of the values in the list.
Creates a special type of parent-child relationship between this object (the child, or "detail") and another object (the parent, or "master") where:

- The relationship field is required on all detail records.
- The ownership and sharing of a detail record are determined by the master record.
- When a user deletes the master record, all detail records are deleted.
- You can create rollup summary fields on the master record to summarize the detail records.

The relationship field allows users to click on a lookup icon to select a value from a popup list. The master object is the source of the values in the list.
Creates a relationship that links this object to an external object whose data is stored outside the Salesforce org.

2. Now click on “Fields & Relationships” >> New
3. Select Master Detail relationship
4. Select the related object “Drop-Off point” and click next.

Step 2. Choose the related object Step 2

Previous Next Cancel

Select the other object to which this object is related.

Related To 1

Previous Next Cancel 2

5. Field Name : Drop_Off_point
6. Field label : Auto generated
7. Next >> Next >> Save.

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.

Creation of Lookup Relationship Field on Task Object :

29. Go to setup>> click on Object Manager >> type object name(Task) in the search bar >> click on the object.
30. Now click on “Fields & Relationships” >> New
31. Select Lookup relationship
32. Select the related object “Venue” and click next.
33. Field Name : Sponsored By

34. Field label : Auto generated
35. Next >> Next >> Save.

Creation of Lookup Relationship Field on Task Object :

36. Go to setup>> click on Object Manager >> type object name(Task) in the search bar >> click on the object.
37. Now click on “Fields & Relationships” >> New
38. Select Lookup relationship
39. Select the related object “Drop-Off point” and click next.
40. Field Name : Drop-Off point
41. Field label : Auto generated
42. Next >> Next >> Save.

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:

9. Go to setup >> click on Object Manager >> type object name(Venue) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New
11. Select Data type as a “Long Text Area” and Click on Next
12. 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

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.

Formula Options

Formula Return Type: Number
Decimal Places: 4

Enter your formula and click Check Syntax to check for errors. Click the Advanced Formula subtab to use additional fields, operators, and functions.
Example: Fahrenheit = 1.8 * Celsius_c + 32 [More Examples...](#)

[Simple Formula](#) [Advanced Formula](#)

[Insert Field](#) [Insert Operator ▾](#)

distance calculation (Number) =
DISTANCE(Location_2__c , Venue_r.Location__c , 'km')

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 :

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:

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 : 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:

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.

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.

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

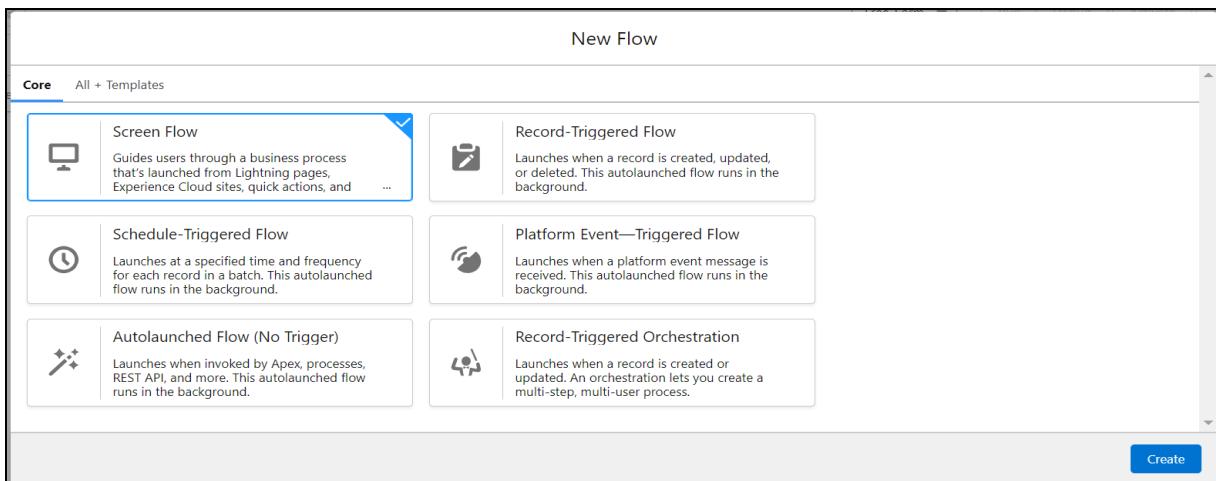
4. Fill the Above as following:

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

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.



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

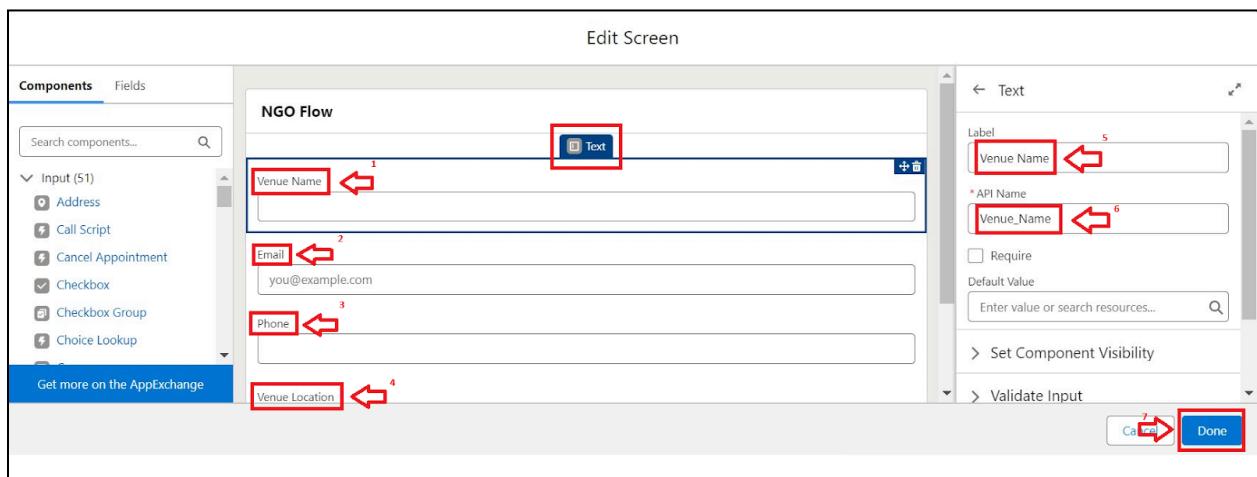
API Name : Latitude

10. Click on Number Component and name it as:

Label : longitude

API Name : longitude

11. Next click on Done. This would like below



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. This would look like:

Create a Record of This Object

* Object
Venue

Set Field Values for the Venue

Field	Value
Contact_Email__c	Aa Contact_Email > Value X
Contact_Phone__c	Aa Contact_Phone > Value X
Name	Aa Venue_Name X
Venue_Location__c	Aa location X

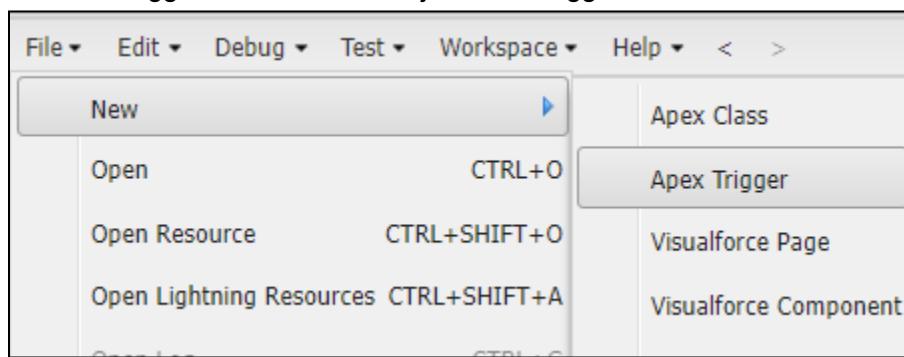
15. Click on Save as:

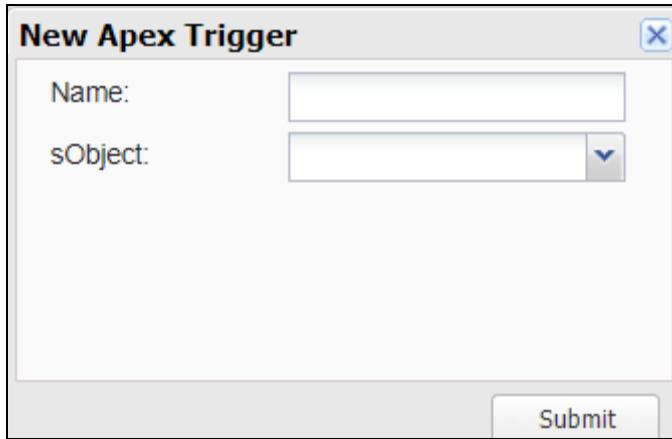
Flow Label : Venue Form

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 : DropOffTrigger
- sObject: Drop-Off Point
6. 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

Go to setup page >> type Profiles in Quick Find bar >> click on Profiles >> click on 'S'

Click on Clone beside Standard Platform User.

Under Clone Profile:

Profile Name : NGOs Profile

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 (give the username different)

Nickname : Auto Populated

User License : Salesforce Platform

Profile : NGOs Profile

Active : Check

General Information			
First Name	Iksha Foundation	Role	<None Specified>
Last Name	Iksha_Foundation	User License	Salesforce Platform
Alias	iiksh	Profile	NGOs Profile
Email	bhargavipaila1023@gmail.com	Active	<input checked="" type="checkbox"/>
Username	ikshafoundation@sb.com	Marketing User	<input type="checkbox"/>
Nickname	User1711437164226559933	Offline User	<input type="checkbox"/>
Title		Knowledge User	<input type="checkbox"/>
Company		Flow User	<input type="checkbox"/>
Department		Service Cloud User	<input type="checkbox"/>
Division		Site.com Contributor User	<input type="checkbox"/>

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.

<input type="checkbox"/> Edit Login <u>Iksha_Foundation</u> , <u>Iksha Foundation</u>	iksh	ikshafoundation@sb.com	<input checked="" type="checkbox"/> NGOs Profile
<input type="checkbox"/> Edit Login <u>NSS</u> , <u>NSS</u>	nss	nss@sb.com	<input checked="" type="checkbox"/> NGOs Profile
<input type="checkbox"/> Edit Login <u>Street_Cause</u> , <u>Street Cause</u>	sstre	streetcause@sb.com	<input checked="" type="checkbox"/> NGOs Profile

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.

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.

The screenshot shows the Oracle Reports builder interface. On the left, the 'Outline' panel is open, displaying 'Groups' and 'Columns'. Under 'Groups', there is a 'GROUP ROWS' section with a search bar and a 'Volunteer Name' filter. Under 'Columns', there is a 'Add column...' button and three selected columns: 'Venue Name', 'Drop-Off point Name', and '# Distance'. 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

Now click on Save & Run.

Give Label as :

Report Name : venue and Drop Off point

Report Unique Name : Auto Populated

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 the FoodConnect report builder interface. The report is titled "Volunteer Task" and is set to "Volunteers with Execution Details and Tasks". The report preview shows two rows of data:

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
4 (1)	Bhavika	Task 1	Execution 1	Iksha Foundation Iksha_Foundation	28/03/2024	4

The report configuration includes:

- Fields:**
 - Outline
 - Filters
 - GROUP ROWS: Add group...
 - Volunteer ID
 - GROUP COLUMNS: Add group...
- Columns:**
 - Add column...
 - Volunteer: Volunteer Name
 - Task: Task Name
 - Execution Detail: Execution Detail
 - Volunteer: Owner Name
 - Task: Date
 - Task: Rating
- Report Options:**
 - Row Counts: checked
 - Detail Rows: checked
 - Subtotals: checked
 - Grand Total: checked

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.

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.

REPORT ▾

Volunteer Task / Volunteers with Execution Details and Tasks

Fields

Outline Filters

GROUP ROWS Add group... Q

Volunteer ID X

GROUP COLUMNS Add group... Q

Columns Add column... Q

Volunteer: Volunteer Name X

Task: Task Name X

Execution Detail: Execution Detail X

Volunteer: Owner Name X

Task: Date X

Task: Rating X

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

Update Preview Automatically

2 (1) Charan Task 2 Execution 2 Iksha Foundation Iksha_Foundation 28/03/2024 5

Subtotal

4 (1) Bhavika Task 1 Execution 1 Iksha Foundation Iksha_Foundation 28/03/2024 4

Subtotal

Total (2)

Row Counts Detail Rows Subtotals Grand Total

Add Chart Save & Run Save Close Run

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.

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)

The screenshot shows the configuration interface for a report titled "venue and Drop Off point". The "Report" section includes a search bar with the query "venue and Drop Off point", a checkbox for "Use chart settings from report", and a "Display As" section with various chart and table icons. Below these are "Groups" and "Columns" sections. The "Preview" section shows a table with four rows and three columns: "Venue Name" (sorted by ascending), "Drop-Off point Name", and "Distance". The data is as follows:

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	-	-

[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)

The screenshot shows the configuration interface for a report titled "Volunteer Task". The "Report" section includes a search bar with the query "Volunteer Task", a checkbox for "Use chart settings from report", and a "Display As" section with various chart and table icons. Below these are "X-Axis" and "Y-Axis" sections. The "X-Axis" is set to "Volunteer ID" and the "Y-Axis" is set to "Record Count". The "Preview" section shows a line chart with two data points at (4, 1) and (2, 1). The Y-axis ranges from 0 to 1, and the X-axis ranges from 0 to 2.

[View Report \(Volunteer Task\)](#)

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 custom dashboard titled "Task Execution Details". At the top right are buttons for Refresh, Edit, Subscribe, and a dropdown menu. Below the title, it says "As of 29-Mar-2024, 9:55 am Viewing as Paila Bhargavi".

The dashboard contains two main cards:

- venue and Drop Off point**: A table with columns "Venue Name", "Drop-Off point Name", and "Distance". The data is:

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

[View Report \(venue and Drop Off point\)](#)
- Volunteer Task**: A chart showing the record count versus volunteer ID. The Y-axis is "Record Count" (0, 0.5, 1) and the X-axis is "Volunteer ID" (4, 2). The chart shows one data point at (4, 1).

[View Report \(Volunteer Task\)](#)

In the background, there is a photograph of a person wearing a white glove handing a bowl of food to another person.

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.

Drop-Off point Sharing Rules		New	Recalculate	Drop-Off point Sharing Rules Help 
Action	Criteria		Shared With	Access Level
Edit Del	Drop-Off point: Distance LESS OR EQUAL 15		Group: Iksha	ReadWrite
Edit Del	(Drop-Off point: Distance GREATER THAN 15) AND (Drop-Off point: Distance LESS OR EQUAL 30)		Group: NSS	ReadWrite
Edit Del	(Drop-Off point: Distance GREATER THAN 30) AND (Drop-Off point: Distance LESS OR EQUAL 50)		Group: Street Cause	ReadWrite

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.

The screenshot shows the FoodConnect Home Page. At the top, there's a header with a dashboard icon, the title "Task Execution Details", and a timestamp "As of 29-Mar-2024, 9:55 am Viewing as Paila Bhargavi". Below the header are three main components:

- venue and Drop Off point**: A table listing venues and their drop-off points:

Venue Name	Drop-Off poi...	Dis...
La Royale Banquet Hall.	Shapur	5.116
La Royale Banquet Hall.	Jeelimeta	6.903
Paradise Garden Function Hall	Suraram Village	28.23
Ujwala Grand	-	-
- Volunteer Task**: A bar chart titled "Volunteer Task" showing resource count versus volunteer ID. The Y-axis is "Resource Count" (0, 0.5, 1) and the X-axis is "Volunteer ID" (4, 2). The chart shows a single bar at ID 1 with a value of approximately 0.7.
- Flow Component: Venue Form**: A placeholder component with the message "This is a placeholder. Flows don't run in the canvas."

At the bottom, there are two buttons: "Add Component(s) Here".

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

This screenshot shows the FoodConnect Home Page with the "Venue Form" component filled with data. The "Venue Form" section includes fields for "Venue Name", "Email", "Phone", and "Venue Location", each with a corresponding input field. A "Next" button is located at the bottom right of this section. The rest of the page structure is identical to the first screenshot, including the header, other components, and the "Add Component(s) Here" buttons.

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.