

SALESFORCE VIRTUAL INTERNSHIP

**PROJECT REPORT
ON
“TO SUPPLY LEFT OVER FOOD TO POOR”**

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To Supply Left Over Food To Poor

PROJECT ABSTRACT:

A considerable amount of food is discarded in canteens every day. This waste has created a countermovement where groups of mainly students purposefully choose to eat other consumers' plate leftovers instead of buying fresh meals. This phenomenon highlights two opposing narratives: leftovers as food waste versus leftovers as edible food resources. Using a thematic analysis, we investigated consumer behavior related to leftover food, aiming to better understand the perceptions associated with leftover consumption. The project demonstrates the potential to bridge food wastage and hunger by leveraging regulatory, normative, and cultural-cognitive systems

Salesforce developer account creation

Creating Developer Account

Creating a developer org in salesforce.

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

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On the sign up form, enter the following details :

The left screenshot shows a desktop monitor displaying a software interface for building apps. The interface features a central canvas with various colored nodes (circles and squares) connected by lines, representing a data model or workflow. A sidebar on the left contains a tree view of categories like 'Home', 'Data', 'Visualforce', etc. The right side has tabs for 'Builder', 'Visualforce', and 'Apex'. The title 'Build enterprise-quality apps fast to bring your ideas to life' is displayed above the interface. Below it is a bulleted list of features:

- 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
- Customize UI with clicks or any leading-edge web framework

The right screenshot shows a sign-up form for the 'Salesforce Developer Edition'. The title is 'Sign up for your Salesforce Developer Edition' and a subtext says '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 fields are as follows:
First Name*
Last Name*
Email*
Role*
Company*

First name & Last name

Email

Role : Developer

Company : College or Company Name

County : India

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

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.

Change Your Password

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

- 8 characters
- 1 letter
- 1 number

* New Password
..... Good

* Confirm New Password
..... Match

Security Question
In what city were you born?

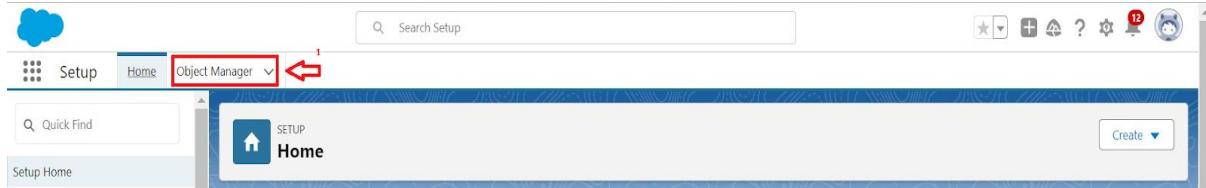
* Answer
asdfghijkl

Change Password

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

Object

To Navigateto Setup page:



To create an object:

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



- a. On Custom objectdefining page:
- b. Enter the labelname, plural labelname, click on Allow reports,Allow search.
- c. Click on Save.

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Custom Object Definition Edit

Custom Object Information

The singular and plural labels are used in tabs, page layouts, and reports.

Label: Example: Account

Plural Label: Example: Accounts

Starts with vowel sound:

The Object Name is used when referencing the object via the API

Object Name: Example: **Account**

Description:

Context-Sensitive Help Setting: Open the standard Salesforce.com Help & Training window
 Open a window using a Visualforce page

Content Name: None

Enter Record Name Label and Format

The Record Name appears in page layouts, key lists, related lists, [list view filters](#), [reports](#), [charts](#), [dashboards](#), [and search results](#). For example, the Record Name for Account is "Account Name" and for Case it is "Case Number". Note that the Record Name field is always called "Name" when referenced via the API.

Record Name: Example: **Account Name**

Data Type: Text

Optional Features

Allow Reports **4**
 Allow Activities
 Track Field History

Object Classification

When these settings are enabled, this object is classified as an Enterprise Application object. When these settings are disabled, this object is classified as a Light Application object. [Learn more](#).

Allow Sharing
 Allow Bulk API Access
 Allow Streaming API Access

Deployment 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 **1**

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

Add Notes and Attachments related list to default page layout
 Launch New Custom Tab Wizard after saving this custom object

Save **2** **Save & New** **Cancel**

d. 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.

1. Enter the label name >> Venue
 2. Plural labelname >> Venues
 3. Enter Record Name Label and Format
 - a. Record Name >>Venue Name
 - b. Data Type >> Text
2. Click on Allowreports and Track Field History,Allow Activities.
 3. Allow search >> Save

Create Drop-Off Point Object

To create an object:

From the setup page >> Click on ObjectManager >> Click on Create >> Click on Custom Object.

1. Enter the label name >> Drop-Off Point
 2. Plural label name>> Drop-OffPoints
 3. Enter Record Name Label and Format
 - a. Record Name >> Drop-Off point Name
 - b. Data Type >> Text
 - a. Click on Allow reportsand Track Field History,Allow Activities
 - b. Allow search >> Save.
- a. Click on Allow reportsand Track Field History,Allow Activities
 - b. 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
 - a. Record Name >>Task Name
 - b. Data Type >> Text
2. Click on Allow reportsand Track Field History,Allow Activities
3. Allow search >> Save.

Create Volunteer Object

To create an object:

- a. 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
 - a. Record Name >> Volunteer Name
 - b. Data Type >> Text
- b. Click on Allow reportsand Track Field History,Allow Activities

- c. 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 labelname >> Execution Details
3. Enter Record Name Label and Format
 - a. Record Name >>Execution Detail Name
 - b. Data Type >> Text
2. Click on Allow reports and Track Field History, Allow Activities
3. Allow search >> Save.

Tabs

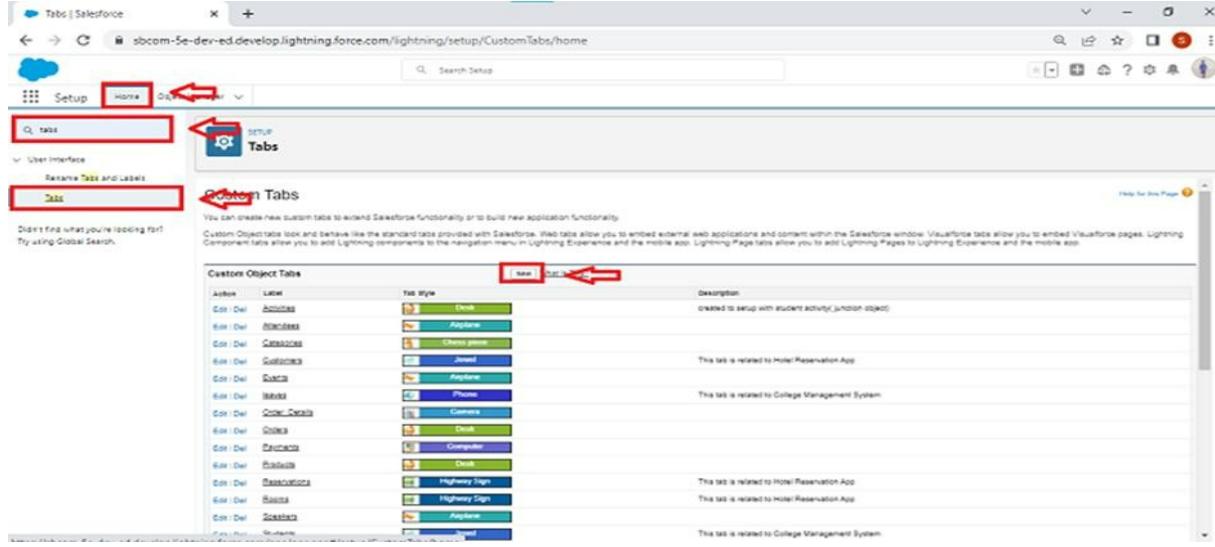
What is Tab : A tab is like a user interface that is used to build records for objects and to view the records in the objects.

Creating a CustomTab

To create a Tab:(Venue)

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

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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 .

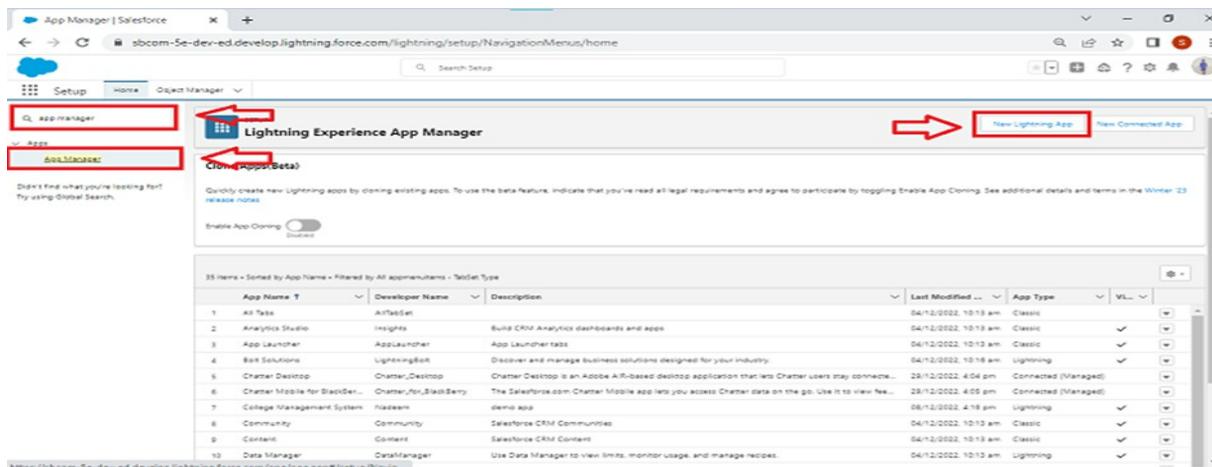
The Lightning App

Create a Lightning App

To create a lightning app page:

1. Goto setup page >> search “app manager” in quick find >> select “app manager” >> click on New lightning App.

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2. Fill the app name in app details and

branding as follow AppName:

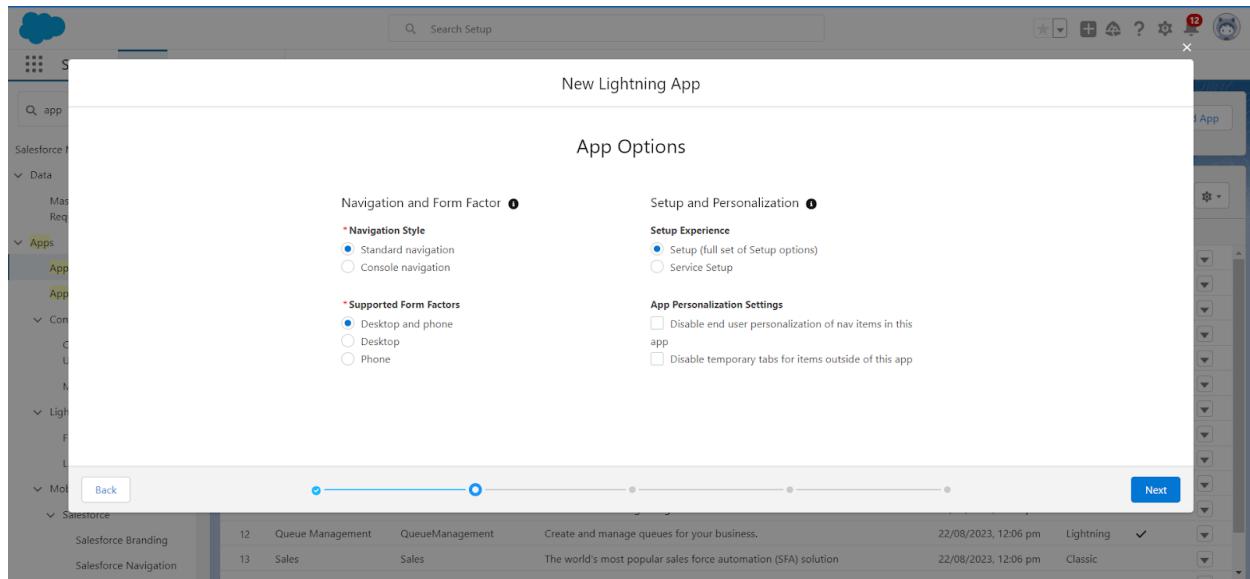
FoodConnect

Developer Name : This will auto populated

Image : optional(if you want to give any image you can otherwise not mandatory)

Primarycolor hex value : keep this default.

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



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

5.To Add Navigation Items:

The screenshot shows two panels side-by-side. The left panel, titled 'Available Items', contains a search bar at the top followed by 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. The right panel, titled 'Selected Items', lists items with icons: Home, Venues, Tasks, Drop-Off points, Execution Details, Volunteers, Reports, and Dashboards. Between the two panels are several control buttons: a 'Create' button with a dropdown arrow, a search bar placeholder 'Type to filter list...', a double-headed vertical scroll bar, and four small arrows pointing up, down, left, and right.

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. At the top, it says 'New Lightning App' and 'User Profiles'. Below that, a note says 'Choose the user profiles that can access this app.' The interface has two main sections: 'Available Profiles' and 'Selected Profiles'. In the 'Available Profiles' section, there is a search bar containing 'System administrator' with a red box around it and a red arrow pointing to the right. Below the search bar is a list of profiles. In the 'Selected Profiles' section, there is a list with one item: 'System Administrator'. At the bottom of the screen, there is a horizontal scrollbar with blue dots and a red arrow pointing to the right. On the far right, there is a red box around the 'Save & Finish' button.

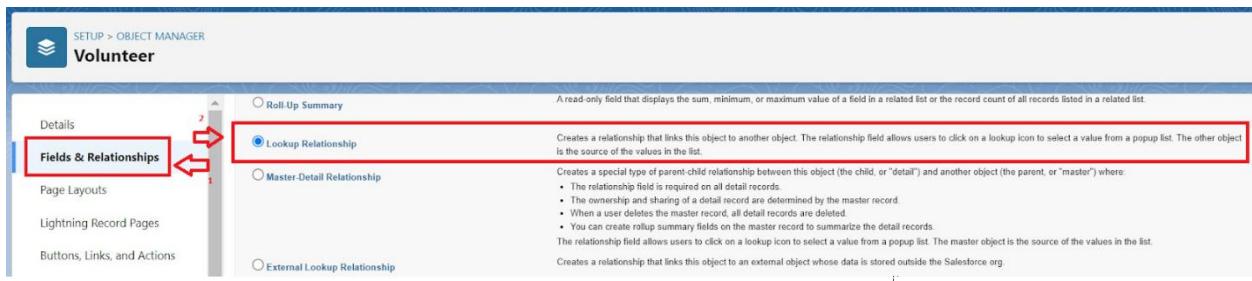
Search profiles(System administrator) in the search bar >> click on the arrow button >> save & finish.

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.



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



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

Creation of Master Detail Relationship Field on Execution Details Object :

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8. Go to setup >>click on ObjectManager >> type objectname(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 Fieldon Execution Details Object :

15. Go to setup >>click on ObjectManager >> type objectname(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 Lookuprelationship
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 Lookuprelationship
32. Select the related object “Venue” and click next.
33. Field Name : SponsoredBy
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 Lookuprelationship
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 fieldsfor the Venue object

1. Go to setup>> click on ObjectManager >> 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:
 - a. Field Label : Contact Email
 - b. Field Name : Contact Email
 - c. Click on requiredcheck box
 - d. Click on Next >> Next >> Save and new.

To create anotherfields in an object:

5. Go to setup >>click on ObjectManager >> type objectname(Venue) in searchbar >> click on the object.
6. Now click on “Fields & Relationships” >>New
7. Select Data type as a“Phone” and Clickon Next
8. Fill the Above as following:
 - a. Field Label : Contact Phone
 - b. Field Name : Contact Phone
 - c. Click on requiredcheck box
 - d. Click on Next >> Next >> Save and new.

To create another fields in an object:

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1. Go to setup >>click on ObjectManager >> 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 Clickon Next
4. Fill the Above as following:
 - a. Field Label : Location
 - b. Decimal Places : 4
 - c. Field Name : Location
 - d. Description : Enterthe Geolocation of your Venue
 - e. Click on Next >> Next >> Save and new.

To createanother fields in an object:

9. Go to setup >>click on ObjectManager >> type objectname(Venue) in searchbar >> 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:
 - a. Field Label : Venue Location
 - b. Field Name : Venue_Location
 - c. 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.

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

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2. Select Data type as a “Geolocation” and Click on Next
3. Fill the Above as following:
 - a. Field Label : Location 2
 - b. Field Name : getsauto generated
 - c. Description : Enter the Geolocation of the Drop off Point
 - d. Geolocation Options : select Decimal
 - e. Decimal Places : 4
 - f. 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 searchbar >> 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:
 - a. Field Label : distance calculation
 - b. Field Name : distance_calculation
 - c. Formula Return Type : Number
 - d. Formula Options : DISTANCE(Location_2__c , Venue__r.Location__c , 'km')
 - e. Click on Next >> Next >> Save and new.

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Formula Options

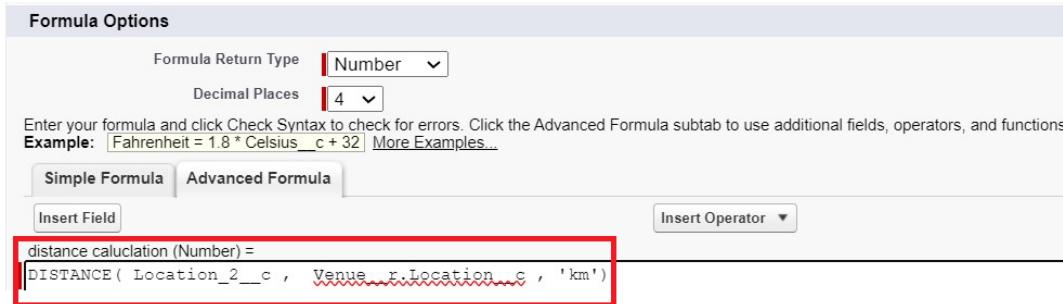
Formula Return Type: Number
Decimal Places: 4

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 + 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:

1. Go to setup >>click on Object Manager >>type object name(Drop-Off point) in searchbar >> clickon the object.
2. Now click on “Fields & Relationships” >>New
3. Select Data type asa “Picklist” and Click on Next
4. Fill the Above as following:
 - a. Field Label : State
 - b. 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

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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)

c. Click on required check box
d. Click on Next >> Next >> Save and new.

To create another fields in an object:

5. Go to setup >> click on Object Manager >> type objectname (Task) in searchbar >> click on the object.
6. Now click on “Fields & Relationships” >> New
7. Select Data type as a “Number” and Click on Next

8. Fill the Above as following:
 - a. Field Label : Distance
 - b. Field Name : Distance
 - c. Length : 14
 - d. Decimal Places : 4
 - e. Click on requiredcheck box
 - f. 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.

1. Now click on “Fields& Relationships” >>New
2. Select Data type as a “Auto Number” and Clickon Next
3. Fill the Above as following:
 - a. Field Label : Task ID
 - b. Display Format : TASK-{0}
 - c. Starting Number : 1
 - d. Field Name : getsauto generated
 - e. Click on requiredcheck box
 - f. Click on Next >> Next >> Save and new.

To createanother 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

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3. Select Data type as a “Date” and Click on Next
4. Fill the Above as following:
 - a. Field Label : Date
 - b. Field Name : Date
 - c. Click on required check box
 - d. 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:
 - a. Field Label : FoodCategory
 - b. Field Name : FoodCategory
 - c. Enter values, with each value separated by a new line :

Veg
Non-Veg
Salad
Snak
 - d. Click on required check box
 - e. 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 Clickon Next
12. Fill the Above as following:
 - a. Field Label : Number of People Served
 - b. Field Name : Number_of_People_Served
 - c. Click on requiredcheck box
 - d. Click on Next >> Next >> Save and new.

To createanother 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:
 - a. Field Label : Name of the Person
 - b. Field Name : Name_of_the_Person
 - c. Click on Next >> Next >> Save and new

To createanother fields in an object:

17. Go to setup>> clickon 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 Clickon Next
20. Fill the Above as following:
 - a. Field Label : Phone
 - b. Field Name : Phone
 - c. Click on Next >> Next>> Save and new.

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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:

- a. Field Label : Rating
- b. Field Name : Rating
- c. Enter values, with each value separated by a new line :

1

2

3

4

5

- d. 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:

- a. Field Label : Feedback
- b. Field Name : Feedback
- c. Click on Next >> Next >> Save and new.

Creation of fieldsfor 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 Clickon Next
4. Fill the Above as following:
 - a. Field Label : Volunteer ID
 - b. Field Name : getsauto generated
 - c. Click on requiredcheck box
 - d. Click on Next >> Next >> Save and new.
 - e. 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 Clickon Next
4. Fill the Above as following:
 - a. Field Label : Gender
 - b. Field Name : Gender
 - c. Enter values, with each value separated by a new line :
Female
Male
 - d. Click on Next >> Next >> Save and new.

To createanother fields in an object:

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

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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:
 - a. Field Label : Available On
 - b. Field Name : Available On
 - c. Click on required check box
 - d. 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:
 - a. Field Label : Age
 - b. Field Name : Age
 - c. Click on required check box
 - d. 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:
 - a. Field Label : Email
 - b. Field Name : Email
 - c. Click on required check box
 - d. Click on Next >> Next >> Save and new.

To createanother 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 Clickon Next

20. Fill the Above as following:

- a. Field Label : Contact Number
- b. Field Name : Contact_Number
- c. Click on requiredcheck box
- d. Click on Next >> Next >> Save and new.

To createanother 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 “TextArea (Long)” and Click on Next

24. Fill the Above as following:

- a. Field Label : Address
- b. Field Name : Address
- c. Click on Next >> Next >> Save and new.

To createanother 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 Clickon Next

28. Fill the Above as following:

- a. Field Label : Date of Birth
- b. Field Name : Date_of_Birth
- c. Click on Next >> Next >> Save and new.

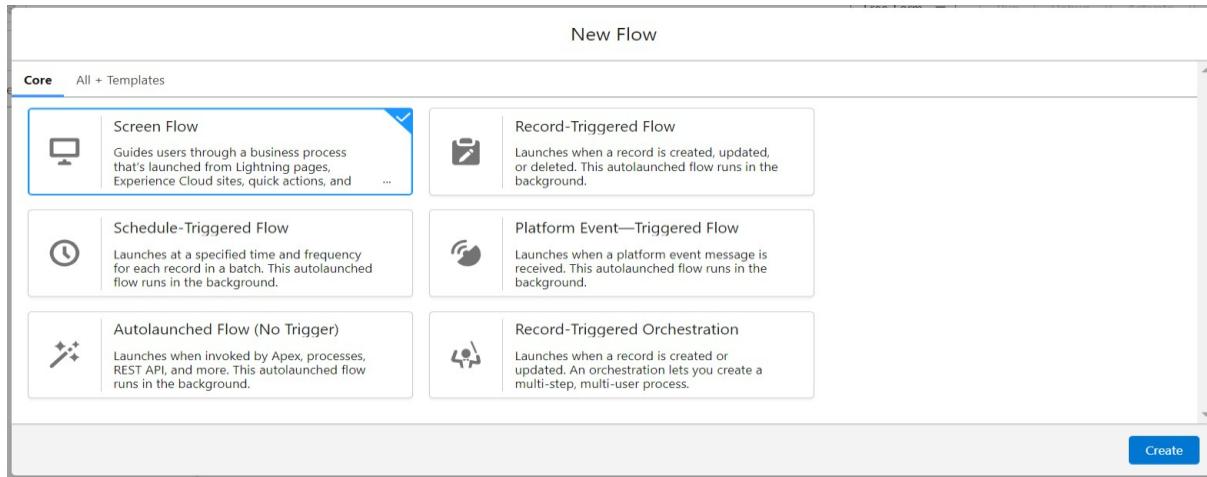
Creation of fieldsfor the Execution Details object

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 asa “Auto Number” and Click on Next
4. Fill the Above as following:
 - a. Field Label : Execution ID
 - b. Field Name : getsauto generated
 - c. Click on requiredcheck box
 - d. Click on Next >> Next >> Save and new.

FLOWs

Create Flow to create a record in Venueobject

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 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

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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

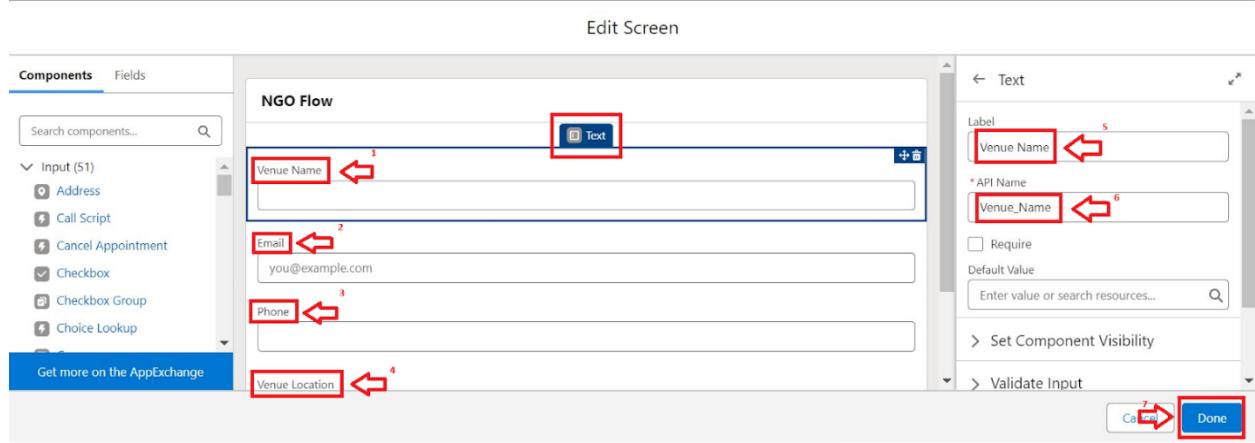
API Name : Latitude

10. Click on Number Component and name it as:

Label : longitude

API Name : longitude

11. Next click on Done. This would look 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

HowMany Records to

Create : One

How to Set the Record Fields : Use separatoresources, and

literalvalues Object : Venue

Set Field Valuesfor the Venue : Clickon ‘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 | Remove |
|-------------------|----------------------------|--------|
| Contact_Email__c | Aa Contact_Email > Value X | X |
| Contact_Phone__c | Aa Contact_Phone > Value X | X |
| Name | Aa Venue_Name X | X |
| Venue_Location__c | Aa location X | X |

15. Click on Save as:

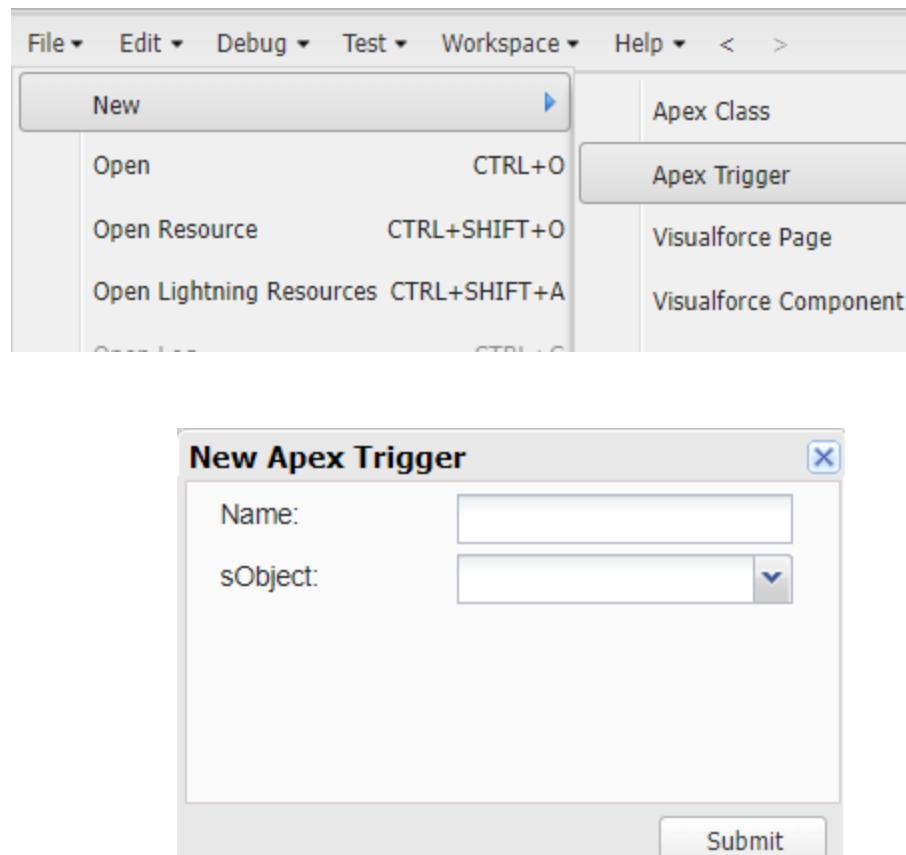
Flow Label : Venue Form

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.



5. Enter Name : DropOffTrigger

sObject : Drop-Off Point

6. Click on Submit.

Trigger Code

(This Trigger is to assignDistance field to the DistanceCalculation field. So that we can assign the distance in the sharing rules.)

Code:

```
trigger DropOffTrigger on Drop_Off_point_c (beforeinsert)
{ 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 CloneProfile:
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 setuppage >> type users in Quick Find bar >> click on users>> New user.
2. In GeneralInformation give detailsas: (Note : create users as per your wish NGO’s) First Name : Iksha Foundation

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First Name : Iksha Foundation

Last Name : Iksha_Foundation

Alias : iiksh

Email : GiveYour 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.co | 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 anotherTwo 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> | <u>iiksh</u> | <u>ikshafoundation@sb.com</u> | <input checked="" type="checkbox"/> NGOs Profile |
| <input type="checkbox"/> Edit Login | <u>NSS.NSS</u> | <u>nsss</u> | <u>nss@sb.com</u> | <input checked="" type="checkbox"/> NGOs Profile |
| <input type="checkbox"/> Edit Login | <u>Street_Cause</u> , <u>Street Cause</u> | <u>sstre</u> | <u>streetcause@sb.com</u> | <input checked="" type="checkbox"/> NGOs Profile |

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 AccessUsing Hierarchies : Check

3. In Search,Select Users.
4. In SelectedMembers 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_Paila | 26/03/2024, 2:27 pm |
| Edit Del | NSS | NSS | Bhargavi_Paila | 26/03/2024, 2:27 pm |
| Edit Del | Street_Cause | Street_Cause | Bhargavi_Paila | 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 ReportTypes >> click on Continue >> Click on New Custom Report Type.

2. In Define the Custom ReportType:

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

Category : Select Other Reports

Deployment Status : Deployed

1. Click on Next

2. Near Click to relateanother Object SelectDrop-Off Points.

3. And also select "A" records may or may not haverelated "B" records.

4. Now again Near Clickto relate another ObjectSelect Volunteers.

5. Now click on Save.

Folder Label : Custom Reports

Folder UniqueName : CustomReports

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 Label : Custom Reports

Folder UniqueName : CustomReports

3. Open CustomReports and clickon 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

| 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 |

Venue Name, Drop-Offpoint Name, Distance.

8. Now click on Save& Run.

9. Give Label as :

10. Report Name : venue and Drop Off point

11. Report UniqueName : Auto Populated

12. Click on Select Folder and select CustomReport, 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 ReportType : 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.

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The screenshot shows the Food Connect report builder interface. At the top, there's a navigation bar with 'REPORT ▾', 'Volunteer Task', 'Volunteers with Execution Details and Tasks', and various action buttons like 'Add Chart', 'Save & Run', 'Save', 'Close', and 'Run'. Below the navigation is a preview area with a message: 'Previewing a limited number of records. Run the report to see everything.' A checkbox 'Update Preview Automatically' is checked. The main area is divided into 'Fields' and 'Columns' sections. The 'Fields' section contains 'GROUP ROWS' (with 'Add group...'), 'Volunteer ID' (with an 'x'), and 'GROUP COLUMNS' (with 'Add group...'). The 'Columns' section lists 'Volunteer: Volunteer Name', 'Task: Task Name', 'Execution Detail: Execution Detail Name', 'Volunteer: Owner Name', 'Task: Date', and 'Task: Rating'. The preview table 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 |
| Subtotal | | | | | | |
| 4 (1) | Bhavika | Task 1 | Execution 1 | Iksha Foundation Iksha_Foundation | 28/03/2024 | 4 |
| Subtotal | | | | | | |
| Total (2) | | | | | | |

At the bottom of the preview area, there are checkboxes for 'Row Counts', 'Detail Rows', 'Subtotals', and 'Grand Total'.

7. Now click on Save& Run.

8. Give Label as :

Report Name : Volunteer Task

Report UniqueName : Auto Populated

1. Click on Select Folder and select CustomReport, 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 UniqueName : 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)

Report

venue and Drop Off point

Use chart settings from report

Display As

Lightning Table (selected)

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

Groups

Add group...

Columns

View Report (venue and Drop Off point)

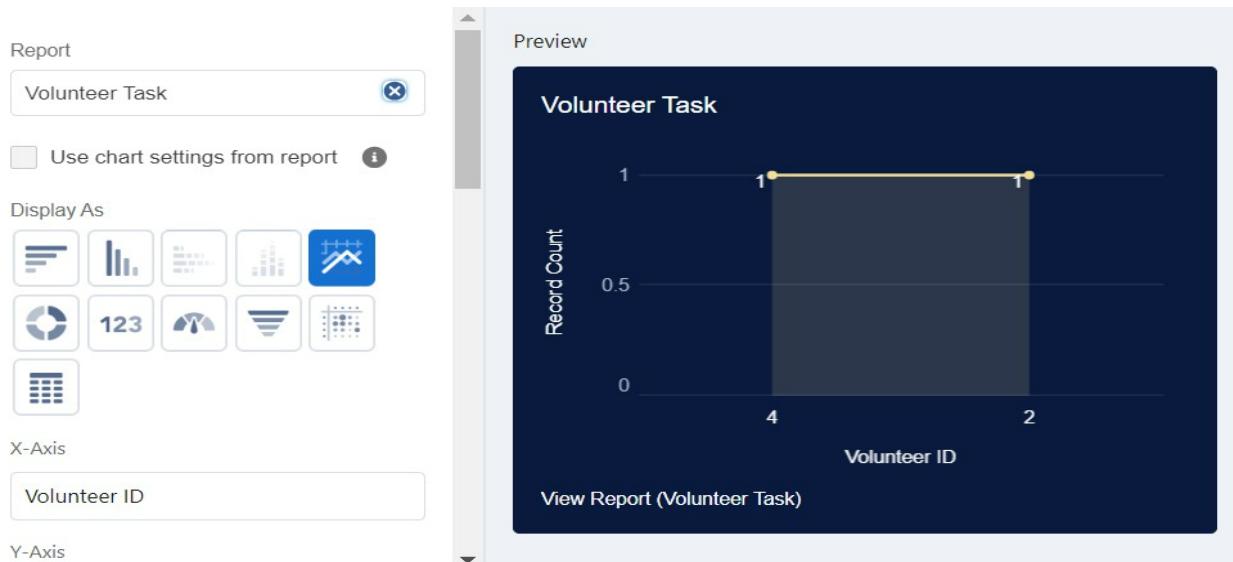
1. Now click on save.

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 : SelectLine Chart

Component Theme : SelectDark (Optional)



1. Now click on save.

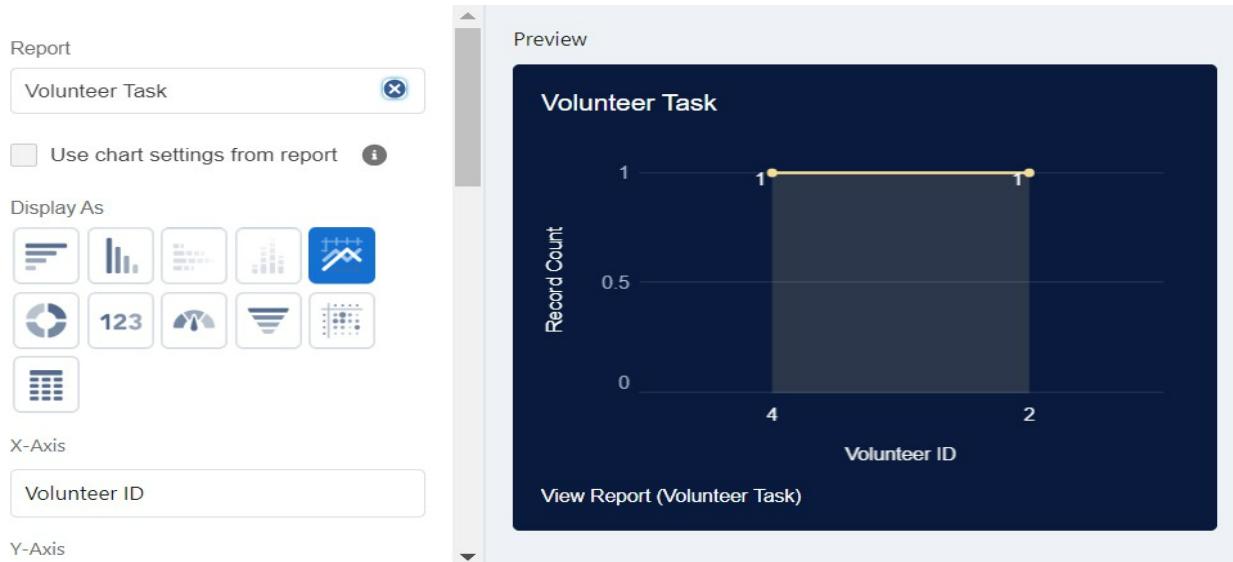
Adding Volunteer Task Report to the Dashboard

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 : SelectLine Chart

Component Theme : SelectDark (Optional)



1. Now click on save.

Sharing Rules

Creation of sharing rules

1. Go to setup>> type Sharing Settings in quick find box >>Click on the Sharing Settings.
2. Scroll down and find Drop-Off pointSharing Rules.
3. Click on new near Drop-Off pointSharing Rules and Name it as: Label : Rule 1
Rule Name : Rule_1
4. Select your rule type : SelectBased 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 pointSharing

Rules and Name it as: Label : Rule 2

Rule Name : Rule_2

9. Select your rule type : Select Basedon criteria.

10. Select whichrecords 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 Rulesand Name it as:

Label : Rule 3

Rule Name : Rule_3

14. Select your rule type : SelectBased on criteria.

15. Select whichrecords 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 | Read/Write |
| Edit Del | (Drop-Off point: Distance GREATER THAN 15) AND (Drop-Off point: Distance LESS OR EQUAL 30) | | | Group_NSS | Read/Write |
| Edit Del | (Drop-Off point: Distance GREATER THAN 30) AND (Drop-Off point: Distance LESS OR EQUAL 50) | | | Group_StreetCause | Read/Write |

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 Labelas HOME Page.
3. Select StandardHome Page.
4. Near Components search for Flow and Drag and Dropin Right Side Section..
5. On the right hand side:

Flow : Venue Flow

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

The screenshot shows the Lightning App Builder interface with a dashboard layout. The top navigation bar includes 'Dashboard', 'Task Execution Details', and a timestamp 'As of 29-Mar-2024, 9:55 am-Viewing as Paila Bhargavi'. Below the navigation are two components:

- venue and Drop Off point**: A table listing venues with their names, drop-off points, and distances. The data is as follows:

| Venue Name | Drop-Off poi... | Dis... |
|-------------------------------|-----------------|--------|
| La Royale Banquet Hall | Shapur | 5.116 |
| La Royale Banquet Hall | Jeedimetla | 6.903 |
| Paradise Garden Function Hall | Suraram Village | 2823 |
| Ujwala Grand | - | - |

 Buttons: 'View Report (venue and Drop Off point)'.
- Volunteer Task**: A chart showing 'Record Count' vs 'Volunteer ID'. The chart has four data points at coordinates (1,1), (1,2), (2,1), and (2,2). Buttons: 'View Report (Volunteer Task)'.

To the right of the dashboard, there is a placeholder for a flow component labeled 'Flow Component: Venue Form' with the note 'This is a placeholder. Flows don't run in the canvas.' Below the dashboard, there are two empty slots for adding more components, each with a button '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.

The screenshot shows the FoodConnect application interface. At the top, there is a navigation bar with links for Home, Venues, Tasks, Drop-Off points, Execution Details, Volunteers, Reports, and Dashboards. A search bar is also present. The main content area is titled "Task Execution Details" and shows a table of "venue and Drop Off point" data:

| Venue Name | Drop-Off point | Dis... |
|-------------------------------|-----------------|--------|
| La Royale Banquet Hall, | Shapur | 5.116 |
| La Royale Banquet Hall, | Jeedimetla | 6.903 |
| Paradise Garden Function Hall | Suraram Village | 28.23 |
| Ujwala Grand | - | - |

Below this is a chart titled "Volunteer Task" showing "Record Count" versus "Volunteer ID". To the right, there is a "Venue Form" section with fields for Venue Name, Email, Phone, and Venue Location, along with a "Next" button.

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.