

SALESFORCE VIRTUAL INTERNSHIP

PROJECT REPORT

ON

“TO SUPPLY LEFT OVER FOOD TO POOR”

SUBMITTED BY

SHANKAR N HULAGUR

COLLEGE

BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY

DAVANGERE - 577004

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

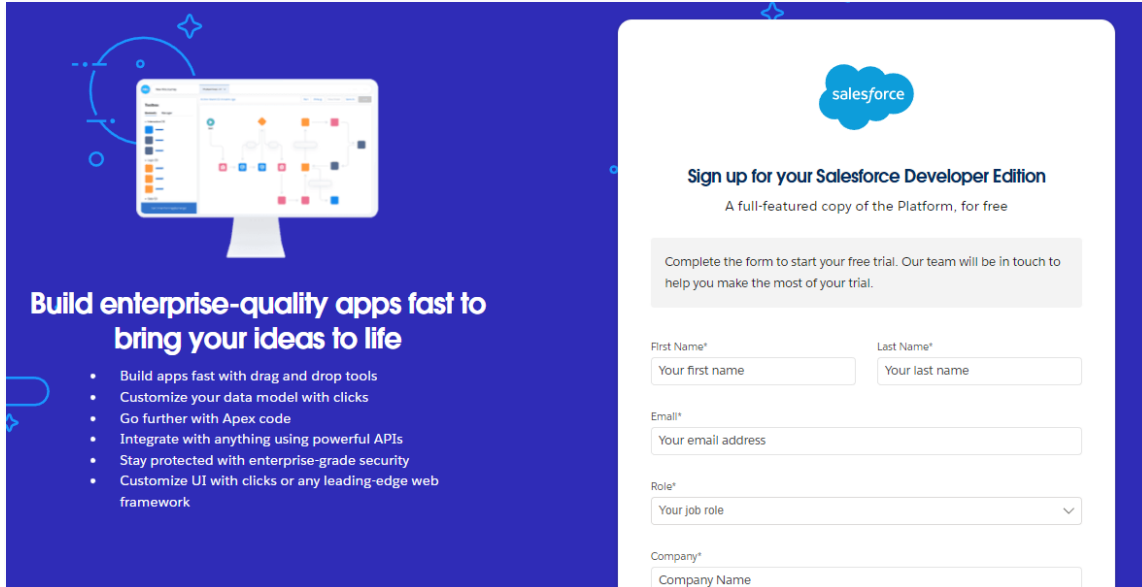
Salesforce developer account creation

Creating Developer Account

Creating a developer org in salesforce.

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

On the sign up form, enter the following details :



Build enterprise-quality apps fast to bring your ideas to life

- Build apps fast with drag and drop tools
- Customize your data model with clicks
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- Integrate with anything using powerful APIs
- Stay protected with enterprise-grade security
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Sign up for your Salesforce Developer Edition
A full-featured copy of the Platform, for free

Complete the form to start your free trial. Our team will be in touch to help you make the most of your trial.

First Name*

Last Name*

Email*

Role*

Company*

First name & Last name

Email

Role : Developer

Company : College or Company Name

Country : 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

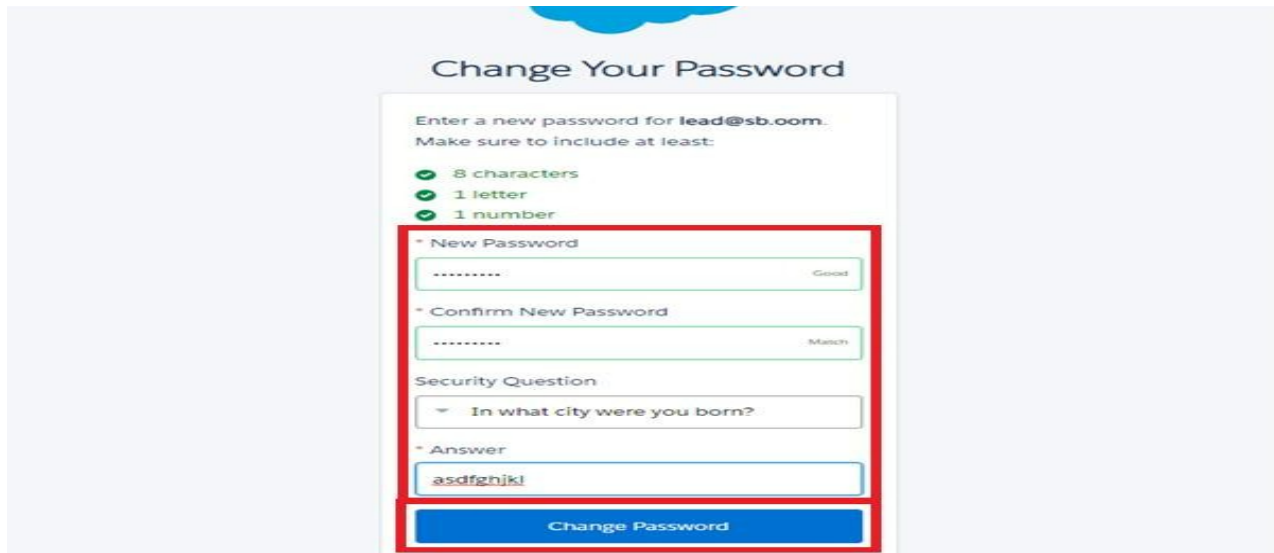
Click on sign me up after filling these.

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.

FOOD CONNECT

1. Click on Verify Account
2. Give a password and answer a security question and click on change password.



The screenshot shows a 'Change Your Password' form for the email address lead@sb.oom. The form includes a password strength indicator with three green checkmarks for 8 characters, 1 letter, and 1 number. The 'New Password' field is marked 'Good', and the 'Confirm New Password' field is marked 'Match'. The 'Security Question' is 'In what city were you born?' and the 'Answer' is 'asdfghjkl'. A red rectangular box highlights the 'New Password', 'Confirm New Password', 'Security Question', 'Answer', and 'Change Password' button fields.

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?

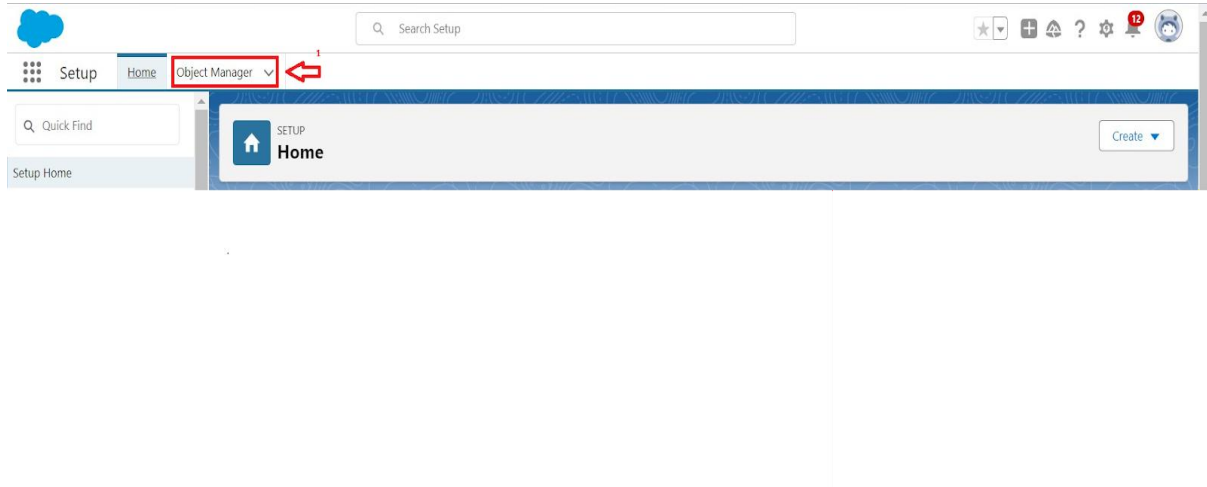
* Answer
asdfghjkl

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.

Custom Object Definition Edit [Save] [Save & New] [Cancel]

Custom Object Information

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

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

Enter Record Name Label and Format

The Record Name appears in page layouts, key lists, related lists, settings, 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

Optional Features

☐ Allow Reports

☐ 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

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] [Save & New] [Cancel]

d. Click on Save.

Create Venue Object

To create an object:

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

FOOD CONNECT

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 Allow reports 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-Off Points
3. Enter Record Name Label and Format
 - a. Record Name >> Drop-Off point Name
 - b. Data Type >> Text
- a. Click on Allow reports and Track Field History, Allow Activities
- b. Allow search >> Save.
- a. Click on Allow reports and 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 reportsand Track Field History,Allow Activities
3. Allow search >> Save.

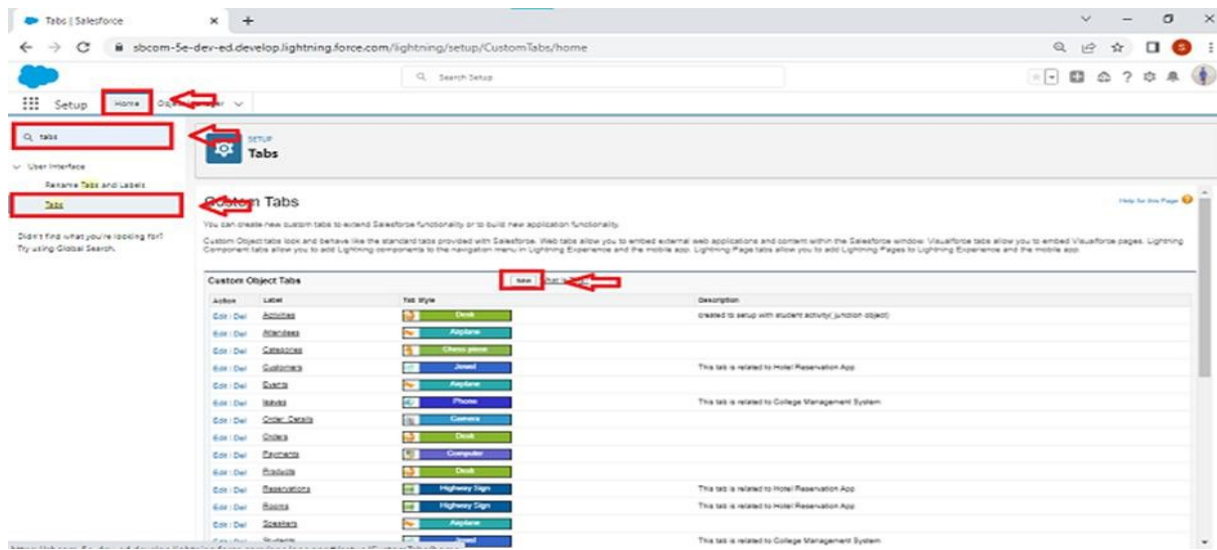
Tabs

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 createa Tab:(Venue)

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

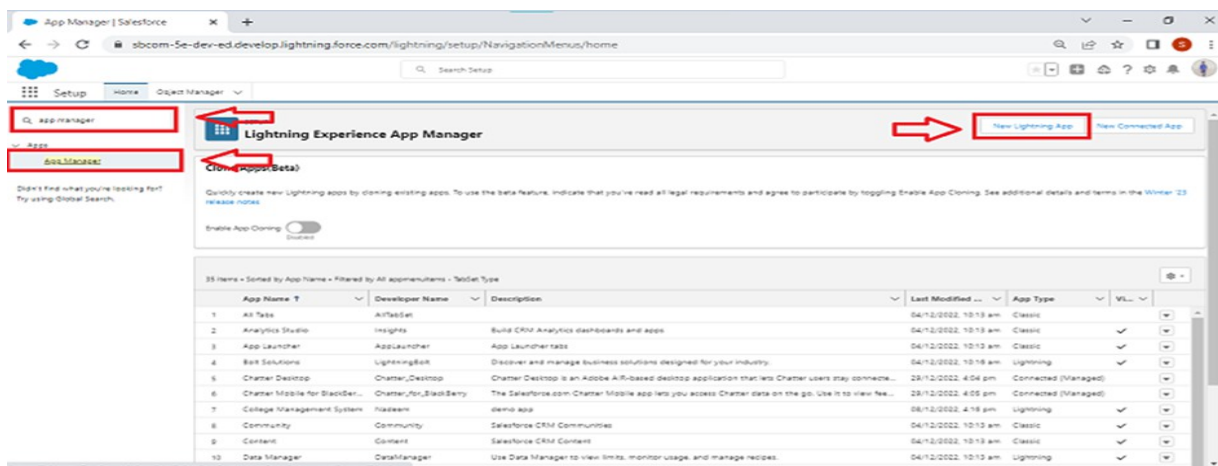
1. Now create the Tabs for the remaining Objects, they are “Drop-Off Point, Task, Volunteer, Execution Details”.
2. Follow the same steps as mentioned in Activity -1 .

The Lightning App

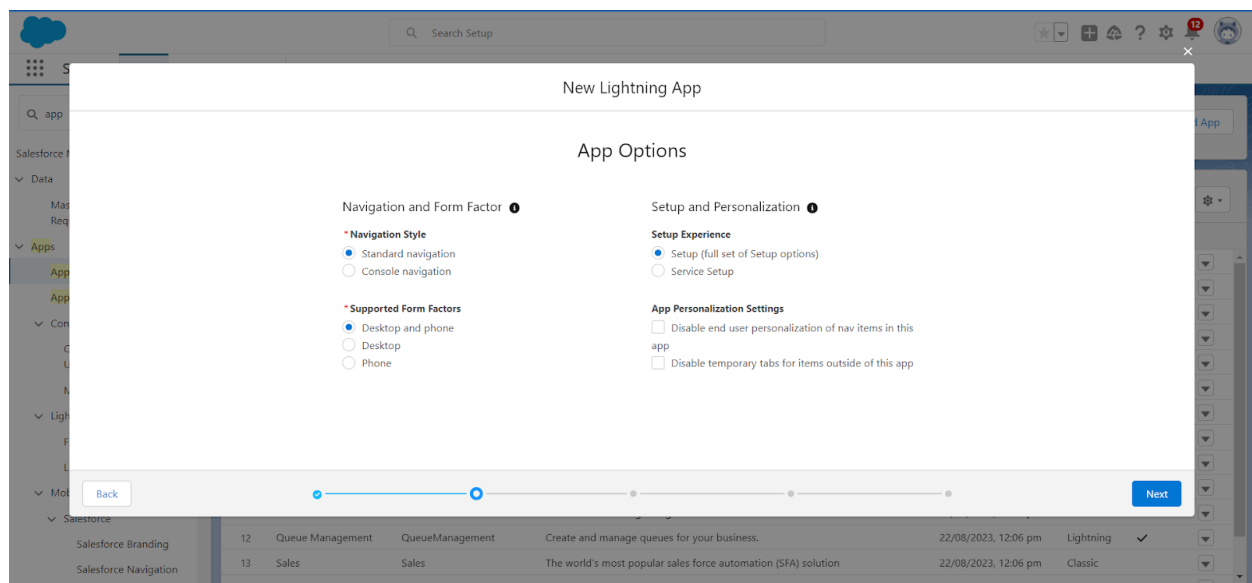
Create a Lightning App

To create a lightning app page:

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

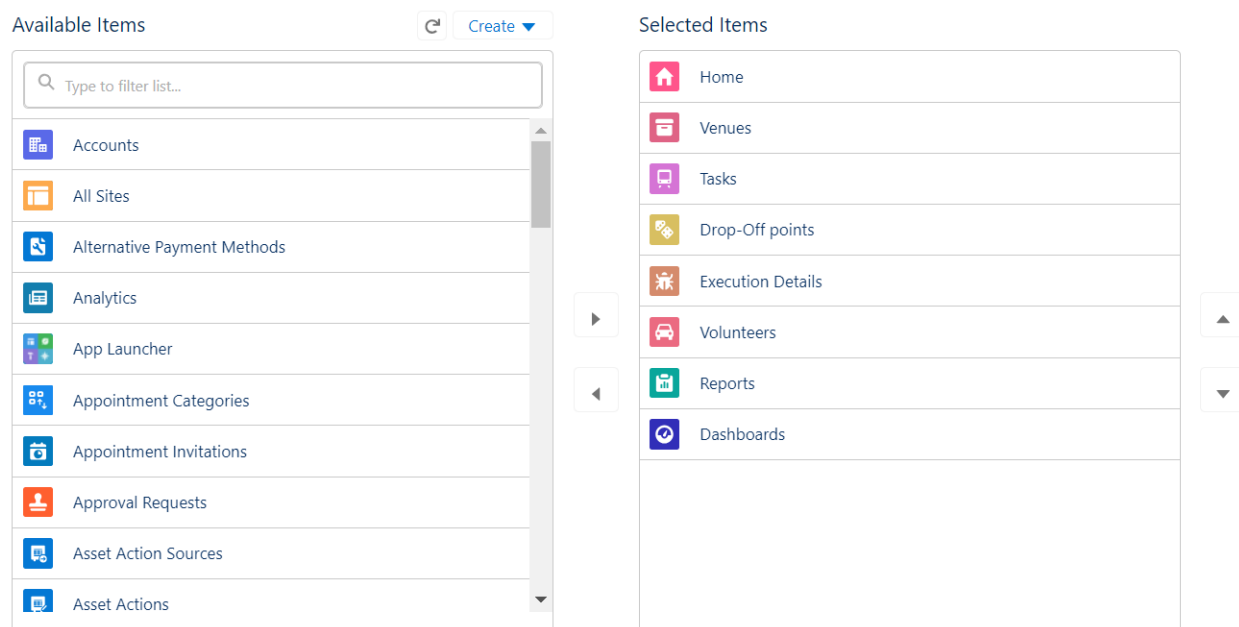


- Fill the app name in app details and branding as follow AppName:
FoodConnect
Developer Name : This will auto populated
Image : optional(if you want to give any image you can otherwise not mandatory)
Primarycolor hex value : keep this default.
- Then click Next >> (App option page)Set Navigation Style as StandardNavigation >> Next.



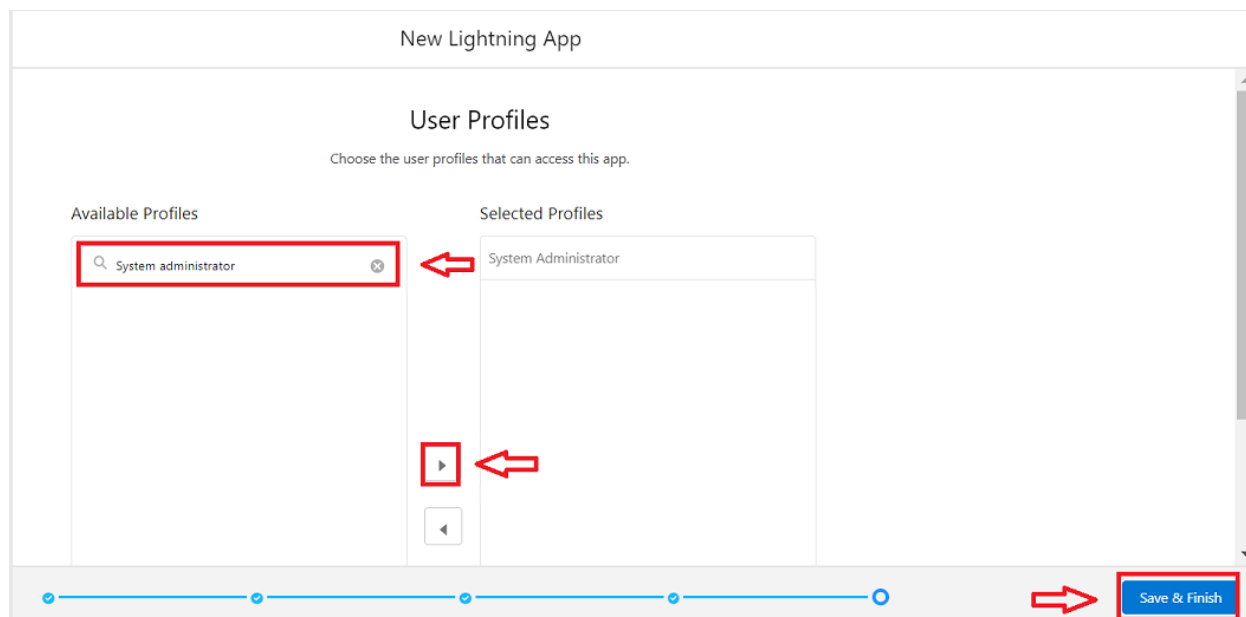
4.(Utility Items) keep it as default >> Next.

5.To Add Navigation 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:



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

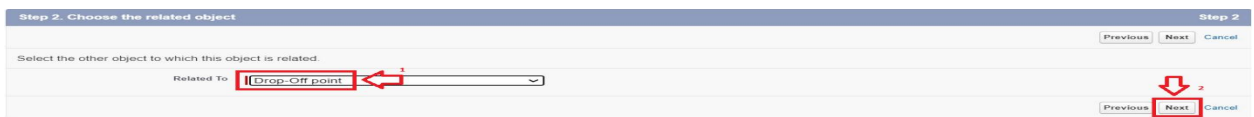
Fields

Creation of Relationship fieldsin 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 Fieldon Execution Details Object :

FOOD CONNECT

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 Field on 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:

FOOD CONNECT

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
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 createanother 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 as a“Formula” and Clickon 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.

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 calucation (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 >> 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:
 - 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

FOOD CONNECT

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

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.

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

bar >> click on the object.

6. Now click on “Fields & Relationships” >>New
7. Select Data type as a “Date” and Clickon Next
8. Fill the Above as following:
 - a. Field Label : Available On
 - b. Field Name : Available On
 - c. Click on requiredcheck box
 - d. Click on Next >> Next >> Save and new.

To createanother 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 Clickon Next
12. Fill the Above as following:
 - a. Field Label : Age
 - b. Field Name : Age
 - 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(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 requiredcheck box
 - d. 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:
 - a. Field Label : Contact Number
 - b. Field Name : Contact_Number
 - c. Click on required check box
 - d. 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 “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 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:

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

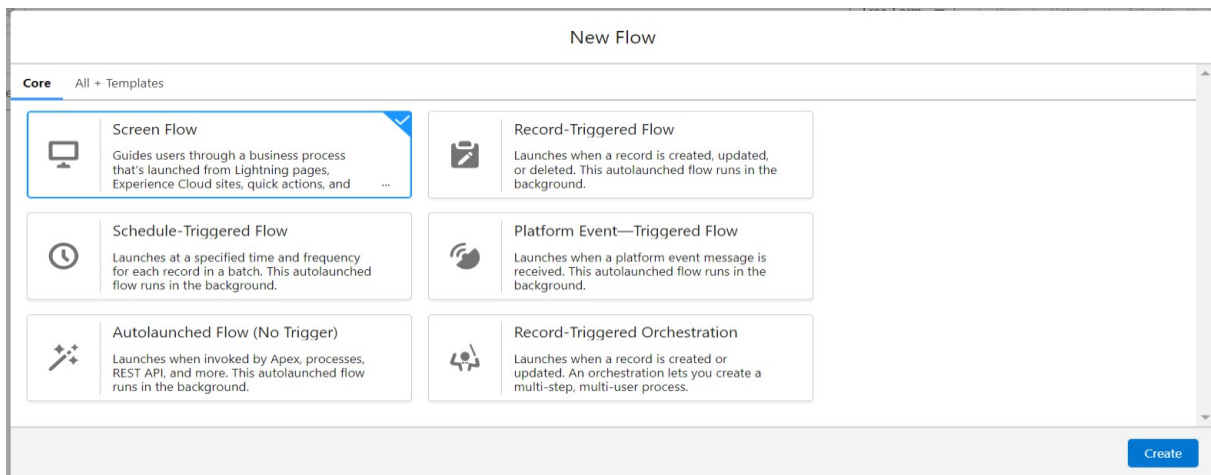
Creation of fieldsfor the Execution Details object

- 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 createa 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 in betweenstart 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 EmailComponent 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

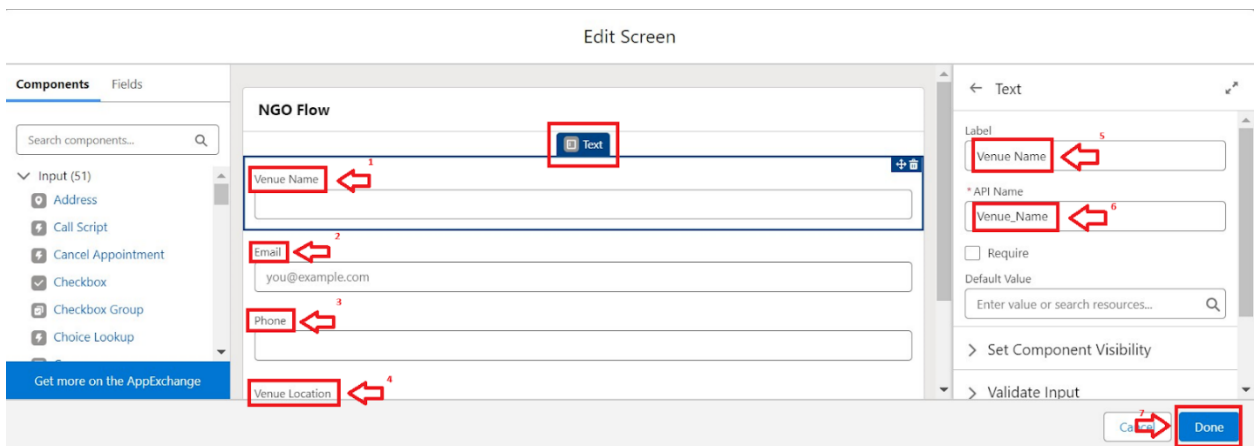
API Name : Latitude

10. Click on Number Component and name it as:

Label : longitude

API Name : longitude

11. Next click on Done. This would 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 separator 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	Contact_Email > Value	
Contact_Phone__c	Contact_Phone > Value	
Name	Venue_Name	
Venue_Location__c	location	

15. Click on Save as:

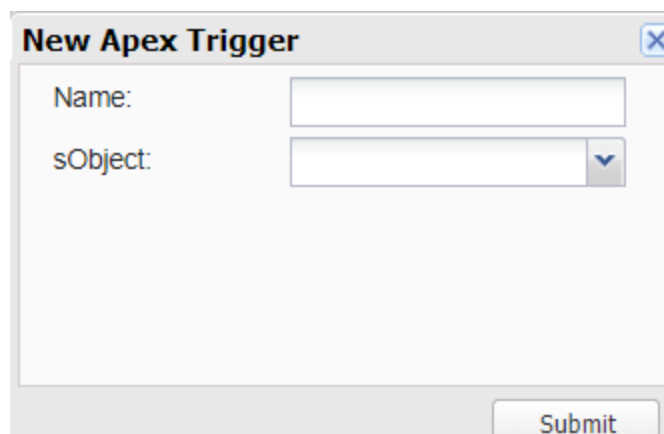
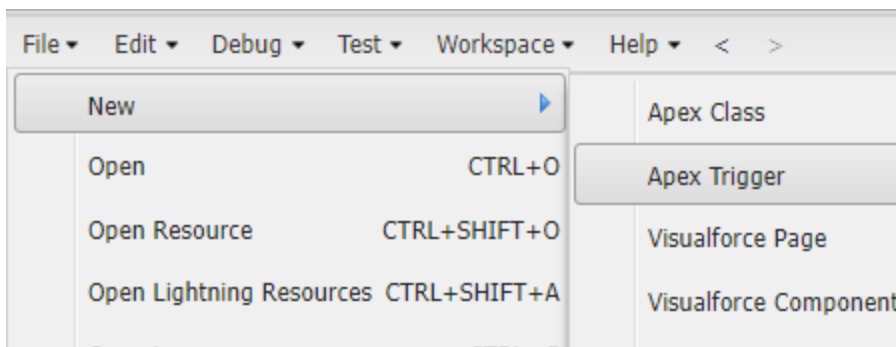
Flow Lable : Venue Form

Flow API Name : Venue_Form

Trigger

Create a Trigger

1. Log into thetrailhead account, navigate to the gear icon in the top right corner.
2. Click on developer consoleand you will be navigated to a new consolewindow.
3. Click on the File menu in the toolbar, and click on new >> Trigger.
4. Enter the trigger name andthe object to be triggered.

A screenshot of the 'New Apex Trigger' dialog box. It has a title bar with a close button. Inside, there are two fields: 'Name:' with a text input box, and 'sObject:' with a dropdown menu. At the bottom right, there is a 'Submit' button.

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 assignthe 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 besideStandard 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

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

	Edit Login Iksha_Foundation, Iksha Foundation	iksh	ikshafoundation@sb.com		NGOs Profile
	Edit Login NSS, NSS	nnss	nss@sb.com		NGOs Profile
	Edit Login Street_Cause, Street Cause	sstre	streetcause@sb.com		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 Groupsfor other two users.
2. After Saving this would look like this.

New				
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 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.

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 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

Outline

Filters 2

Groups

GROUP ROWS

Add group...

Volunteer Name

GROUP COLUMNS

Add group...

Columns

Add column...

Venue Name

Drop-Off point Name

Distance

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

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.

REPORT ▾

Volunteer Task *✎* Volunteers with Execution Details and Tasks

Fields >
 Outline ▾
 Filters ▾
 Previewing a limited number of records. Run the report to see everything.
 Update Preview Automatically ☒

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)						

Columns ▾
 Add column...
 Volunteer: Volunteer Name X
 Task: Task Name X
 Execution Detail: Execution Detail X
 Volunteer: Owner Name X
 Task: Date X
 Task: Rating X

Row Counts ☒
 Detail Rows ☒
 Subtotals ☒
 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

123

Groups

Add group...

Columns

Preview

venue and Drop Off point

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)

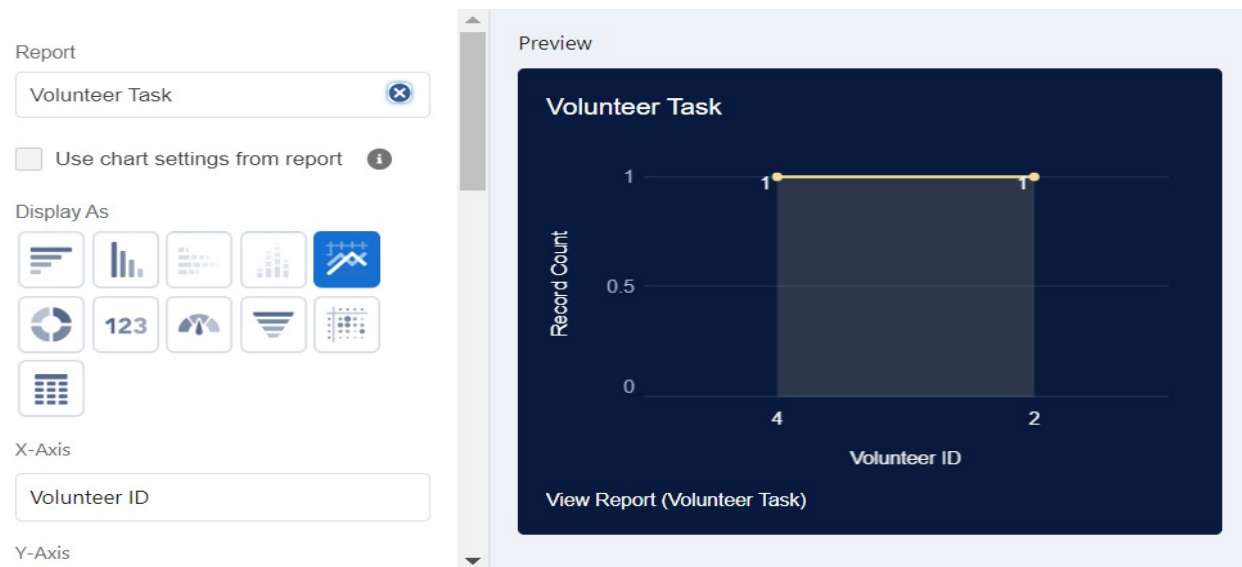
1. Now click on save.

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 : SelectLine Chart

Component Theme : SelectDark (Optional)



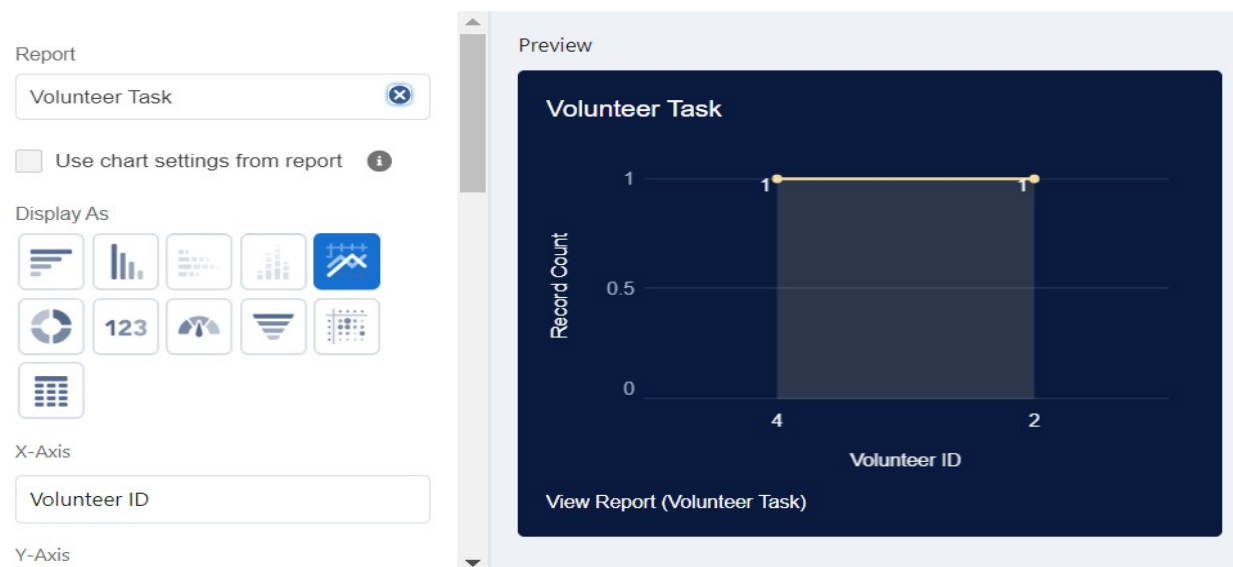
1. Now click on save.

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: Street Cause		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.

Task Execution Details
As of 29-Mar-2024, 9:55 am Viewing as Palla Bhargavi

venue and Drop Off point

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	28.23
Ujwala Grand	-	-

[View Report \(venue and Drop Off point\)](#)

Volunteer Task

Record Count

Volunteer ID

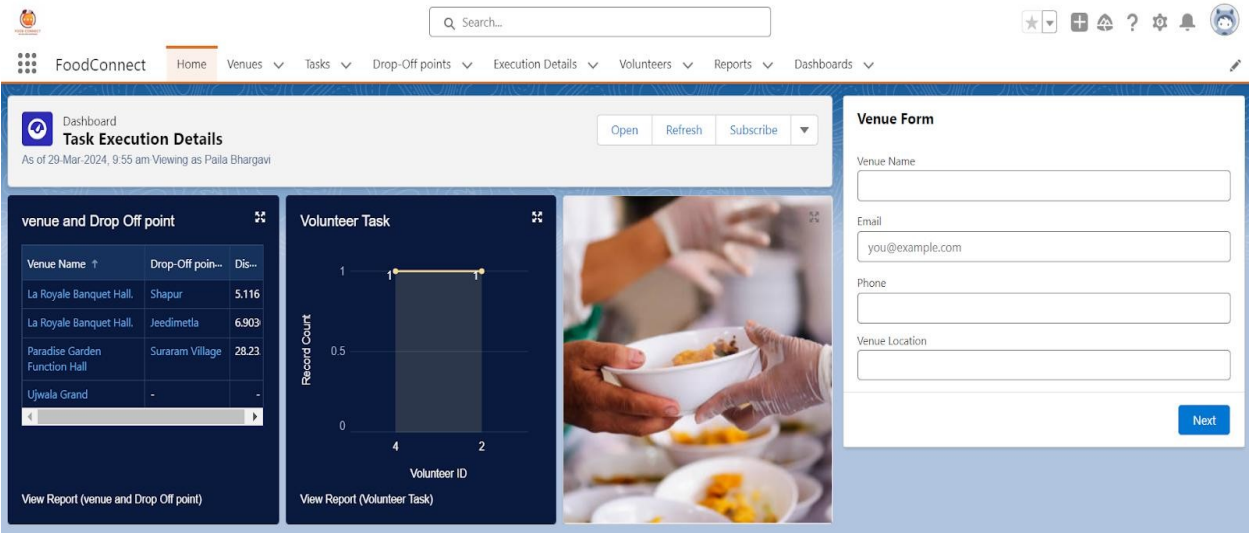
[View Report \(Volunteer Task\)](#)

Flow Component: Venue Form
This is a placeholder. Flows don't run in the canvas.

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.



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.