

To Supply Leftover Food To Poor

**By
Silankotawar Sravani**

ysilamkotwar@gmail.com

PROJECT ABSTRACT

The "Supply Leftover Food to Poor" project aims to combat food waste and food insecurity by redistributing surplus food to individuals in need. The project involves collecting excess, safe-to-eat food from local restaurants, grocery stores, and food producers that would otherwise be discarded. This food is then sorted, packaged, and delivered to low-income families and individuals through a network of community partners and volunteers. The goal is to reduce food waste, provide nutritious meals to underserved populations, and foster community support. By implementing efficient collection and distribution systems, the project ensures that surplus food is used to address hunger and contribute to a more equitable society.

By addressing both food waste and food insecurity, the project not only helps those in need but also promotes environmental sustainability. The ultimate aim is to create a model that can be replicated in other communities, fostering a culture of sharing and responsibility. Through collaborative efforts, the project seeks to build stronger communities and contribute to a more equitable society. Additionally, the project includes ongoing monitoring and evaluation to assess its impact on reducing food waste and alleviating hunger. Data collected will inform continuous improvements and help demonstrate the project's effectiveness to stakeholders and potential supporters. By creating a model that can be replicated in other communities, the project not only seeks to enhance food security but also promotes environmental sustainability and fosters a culture of community support and responsibility.

Overall, the "Supply Leftover Food to Poor" project aims to build a more resilient and equitable society by ensuring that surplus food is redirected to those who need it most, thereby reducing waste and addressing hunger in a sustainable manner.

INDEX PAGE

Topics	Page No
Salesforce developer account creation	05-06
Object	07-10
Tabs	11-12
The Lightning App	12-15
Fields	15-29
Flows	29-31
Triggers	31-32
Profiles	32-33
Creation of Users	33-35
Public Groups	35-36
Report Types	36-37
Reports	38-39
Dashboards	40-41
Sharing Rules	42-44
Home Page	44-45

INTRODUCTION

Food waste and food insecurity are pressing issues that affect communities worldwide. Despite substantial advances in food production and distribution, a significant amount of edible food is discarded each year by restaurants, supermarkets, and food manufacturers, while many individuals and families continue to struggle with hunger and food insecurity. This paradox underscores the need for innovative solutions to address both problems simultaneously.

The "Supply Leftover Food to Poor" project is a community-driven initiative designed to bridge the gap between surplus food and those in need. This project aims to create a structured and efficient system for redirecting excess, safe-to-consume food from various sources to low-income individuals and families. By collaborating with local businesses, food banks, and community organizations, the project seeks to ensure that surplus food is utilized to its fullest potential, reducing waste and alleviating hunger. The initiative involves establishing partnerships with food donors, implementing rigorous food safety and handling procedures, and developing a robust distribution network to reach underserved populations. Through these efforts, the project aims to create a sustainable model that not only addresses immediate food needs but also fosters long-term community resilience and environmental stewardship.

Central to the project is the establishment of partnerships with food donors who are willing to contribute surplus food. These partnerships are critical in securing a steady flow of donations, which are then managed through rigorous food safety protocols. Ensuring that the food is handled, stored, and transported in compliance with health regulations is essential for maintaining its quality and safety. The project involves trained volunteers and staff who oversee these processes, ensuring that food remains suitable for consumption and is distributed effectively. The distribution of the surplus food is managed through a network of community organizations, shelters, and food banks. This network is designed to be both efficient and responsive, reaching those in need in a timely manner. By working closely with these organizations, the project ensures that food is distributed equitably and meets the needs of various communities.

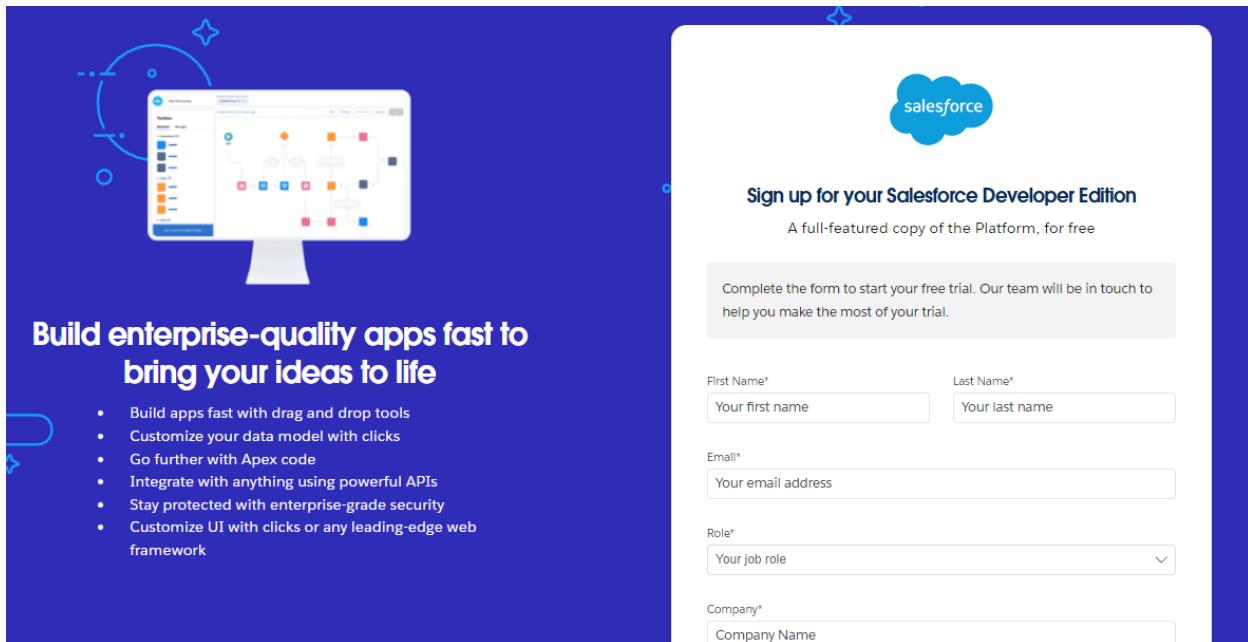
By leveraging community support and resources, the "Supply Leftover Food to Poor" project aspires to make a meaningful impact on food security and waste reduction, promoting a more equitable and sustainable future for all.

Task 1: Salesforce developer account creation

Step1:Creating Developer Account

Creating a developer org in salesforce.

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



1. First name & Last name
2. Email
3. Role : Developer
4. Company : College or Company Name
5. County : India
6. Postal Code : pin code
7. Username : should be a combination of your name and company

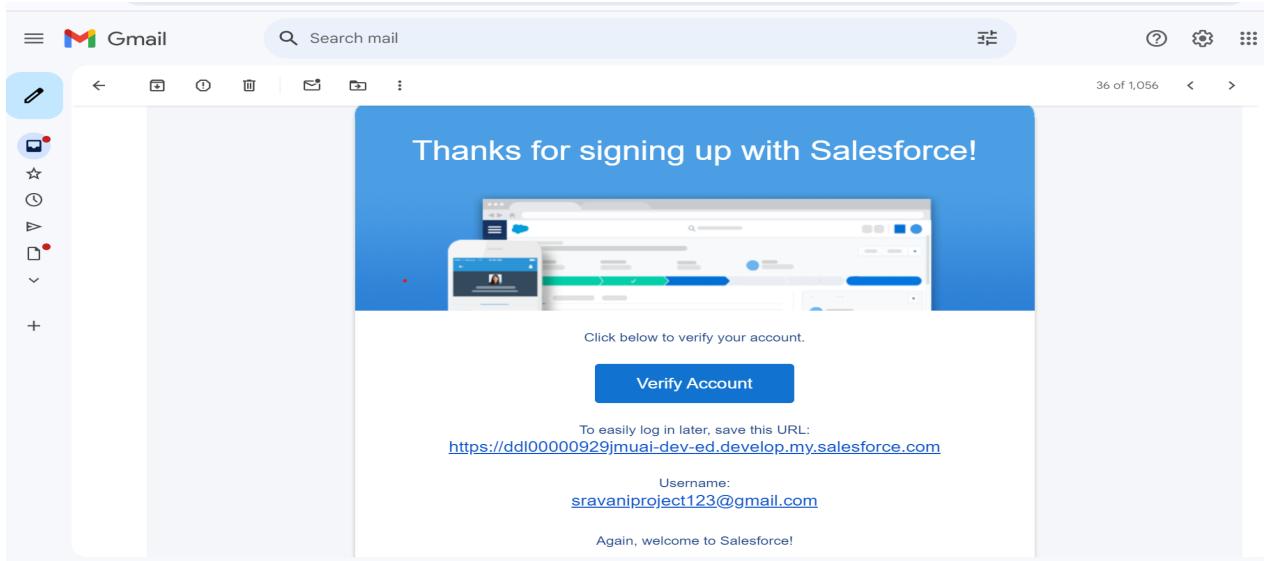
This need not be an actual email id, you can give anything in the format :

username@organization.com

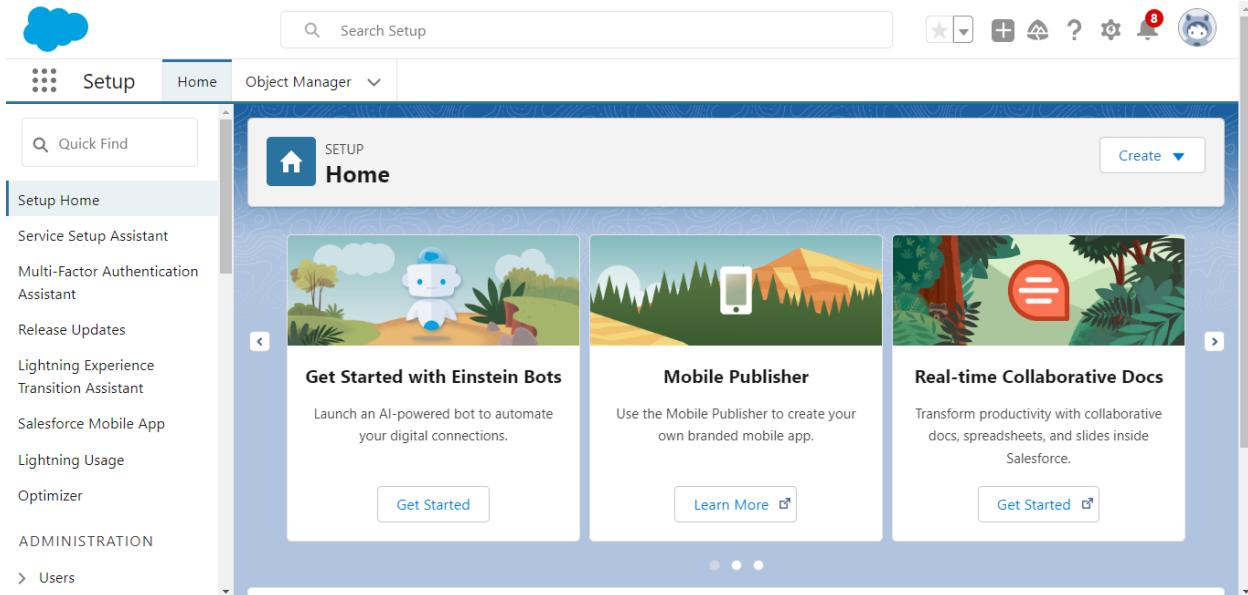
Click on sign me up after filling these.

Step 2 : 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.

A screenshot of a "Change Your Password" form. The form asks for a new password that includes at least 8 characters, 1 letter, and 1 number. It has two password input fields, "New Password" and "Confirm New Password", both of which are highlighted with a red border. Below these are "Security Question" and "Answer" fields, also highlighted with a red border. A large blue "Change Password" button at the bottom is also enclosed in a red box.

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

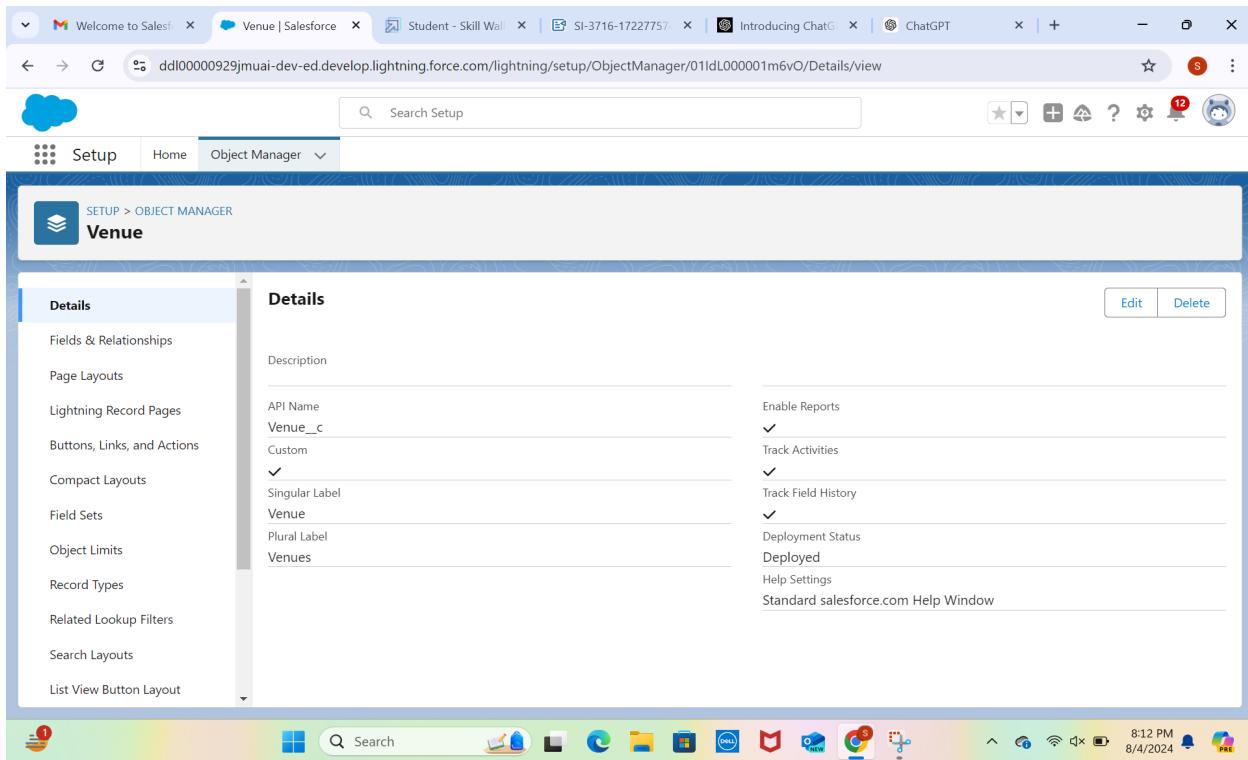


Task 2: Object

Step 1: Create Venue 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 >> Venue
2. Plural label name >> Venues
3. Enter Record Name Label and Format
Record Name >> Venue Name
Data Type >> Text
2. Click on Allow reports and Track Field History, Allow Activities.
3. Allow search >> Save.



Step 2 : 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.

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes tabs for 'Setup', 'Home', and 'Object Manager'. The main title is 'Task' under 'SETUP > OBJECT MANAGER'. On the left, a sidebar lists various configuration options like 'Fields & Relationships', 'Page Layouts', and 'Buttons, Links, and Actions'. The central 'Details' section shows the following fields:

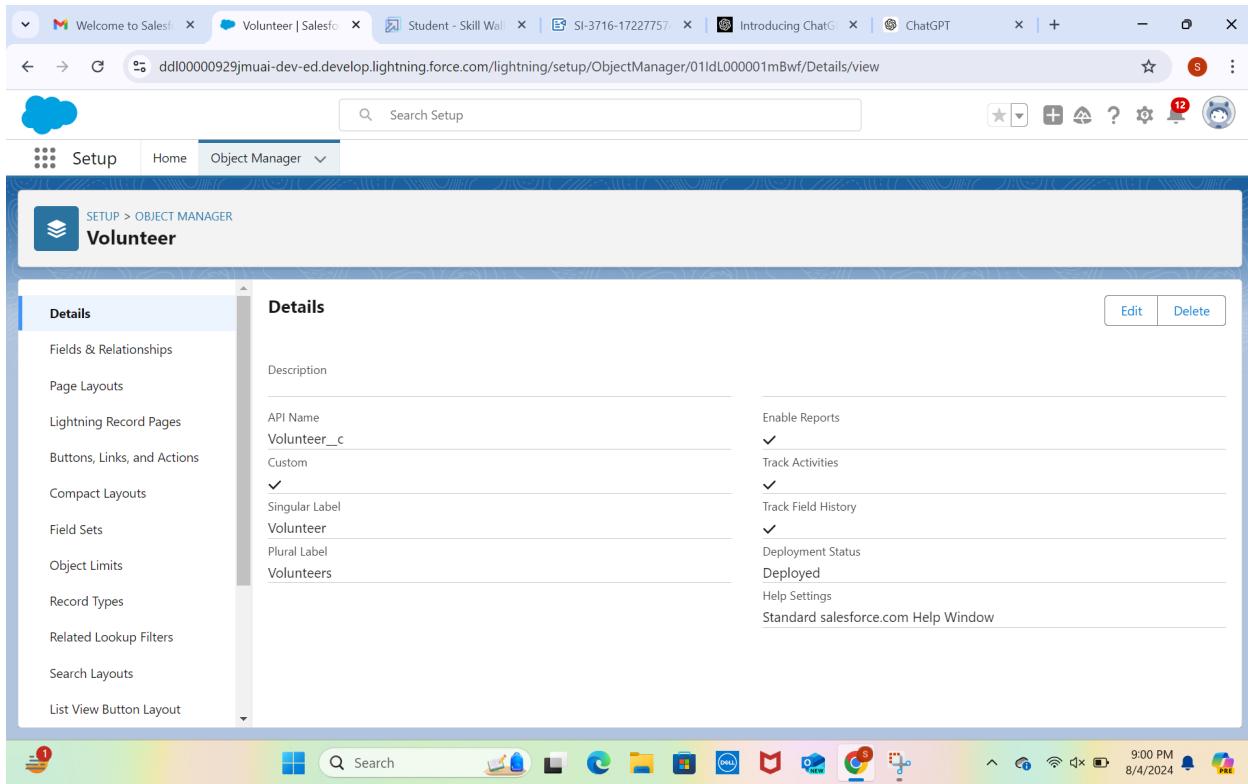
Field	Value
Description	
API Name	Task_c
Custom	✓
Singular Label	Task
Plural Label	Tasks
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

At the bottom right of the details section are 'Edit' and 'Delete' buttons. The system status bar at the bottom shows icons for battery, signal, and network, along with the date and time: 8/4/2024 8:52 PM.

Step 3: Create Volunteer Object

To create an object:

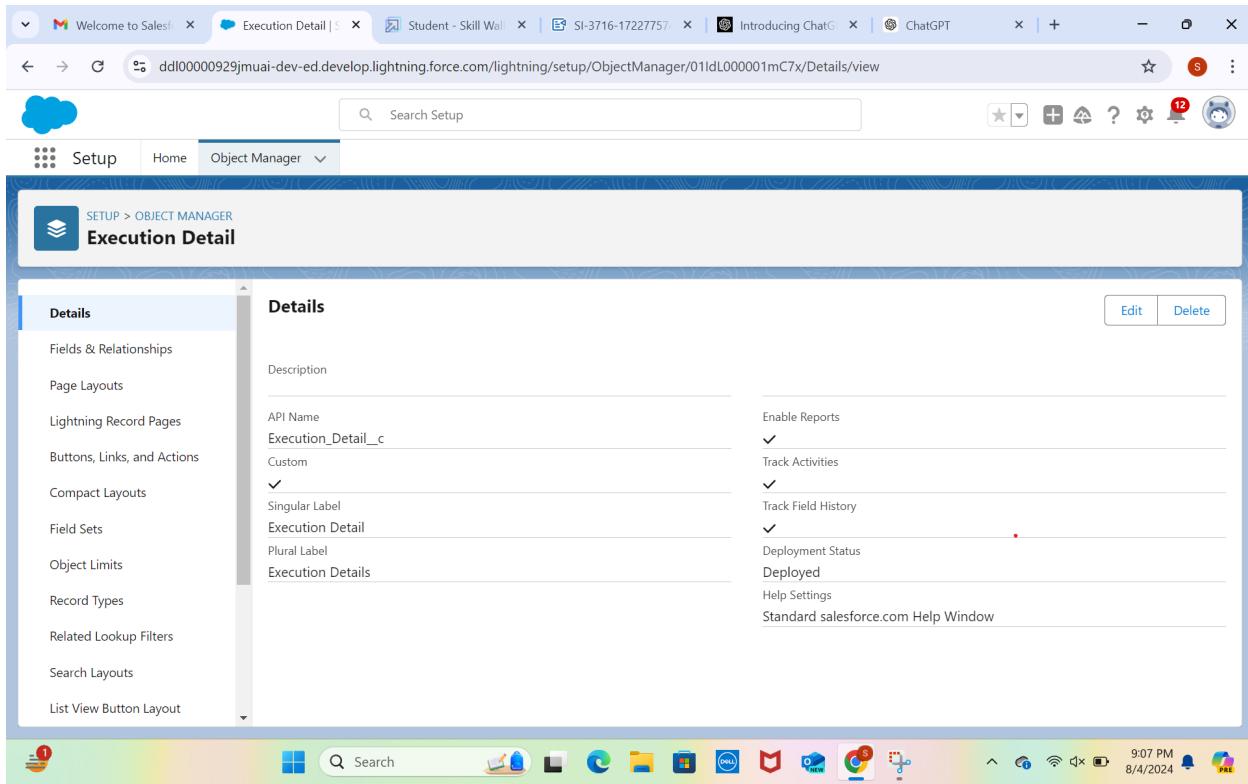
1. From the setup page >> Click on Object Manager>> Click on Create >> Click on Custom Object.
 1. Enter the label name>> Volunteer
 2. Plural label name>> Volunteers
 3. Enter Record Name Label and Format
Record Name >> Volunteer Name
Data Type >> Text
2. Click on Allow reports and Track Field History,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



Step 4: 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.



Task 3: 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.

Step 1: Creating a Custom Tab

To create a Tab:(Venue)

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

Step 2 : 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 screenshot shows the Salesforce Setup interface with the 'Custom Tabs' page open. The left sidebar has 'User Interface' expanded, with 'Tabs' selected. The main content area displays the 'Custom Tabs' section, which includes a table for 'Custom Object Tabs' and a section for 'Web Tabs'. The 'Custom Object Tabs' table lists five tabs with their labels and styles:

Action	Label	Tab Style	Description
Edit Del	Drop-Off Points	Building	
Edit Del	Execution Details	Laptop	
Edit Del	Tasks	Bridge	
Edit Del	Venues	Bank	
Edit Del	Volunteers	Computer	

The 'Web Tabs' section below states 'No Web Tabs have been defined'.

Task 4: The Lightning App

Step 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.

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

App Name : FoodConnect

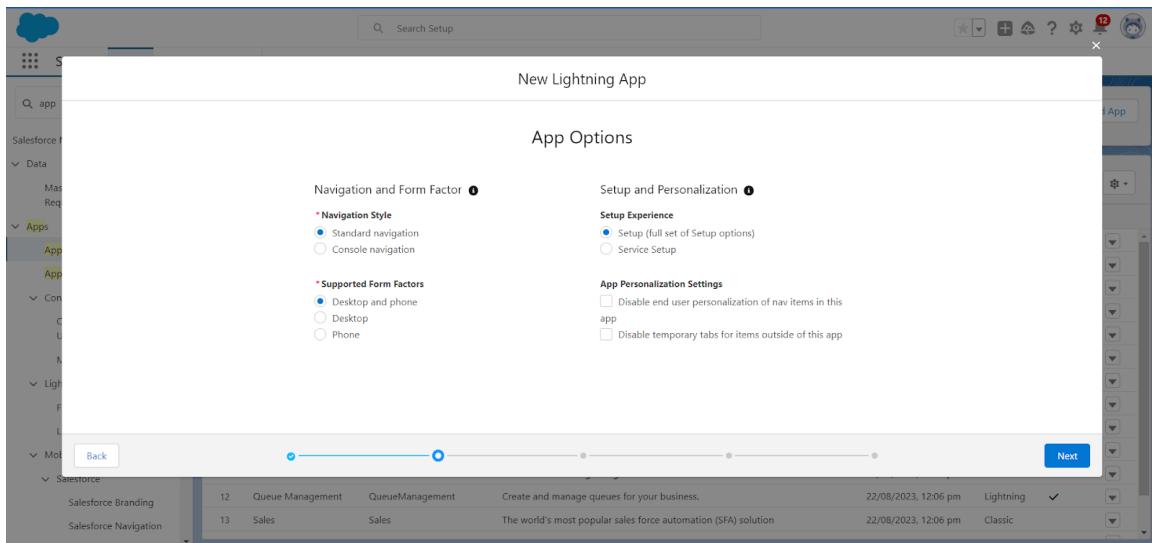
Developer Name : This will auto populated

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

Primary color hex value : keep this default.

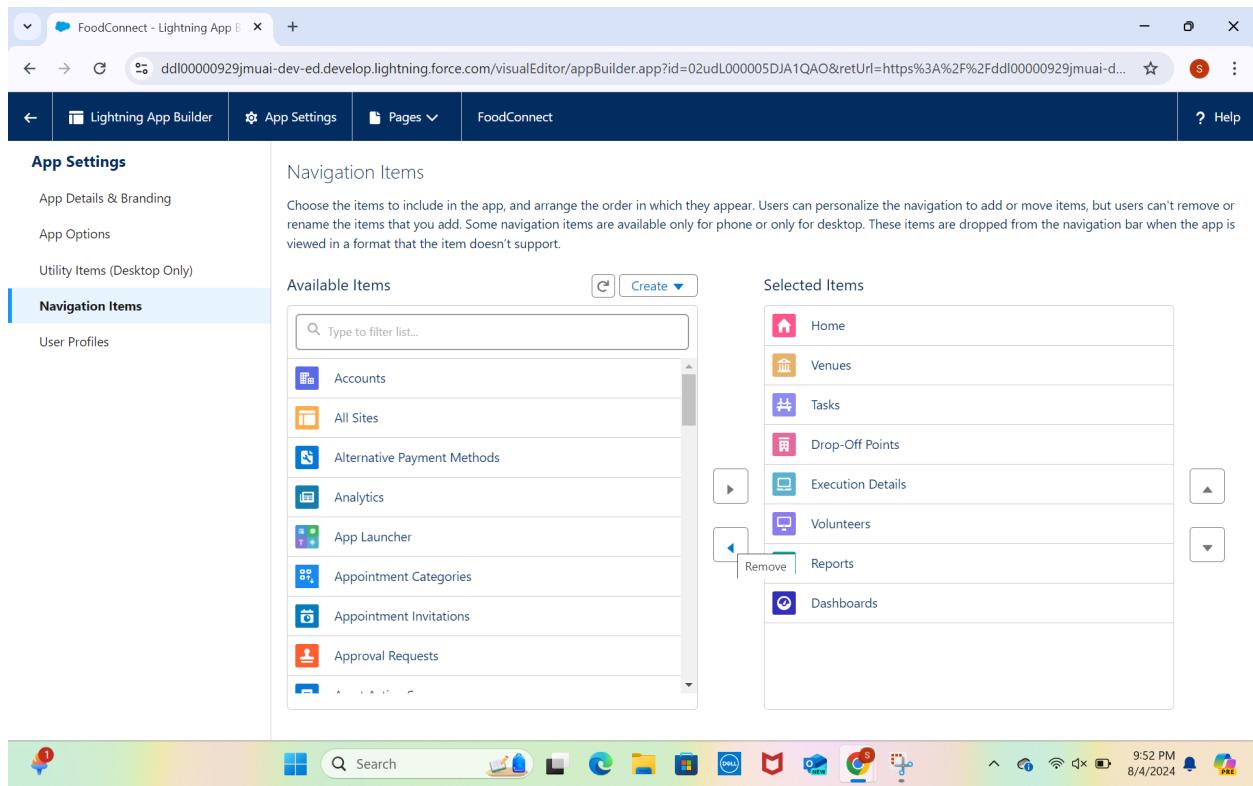
3. .Then click Next >> (App option page) Set Navigation Style as Standard

Navigation >> Next.



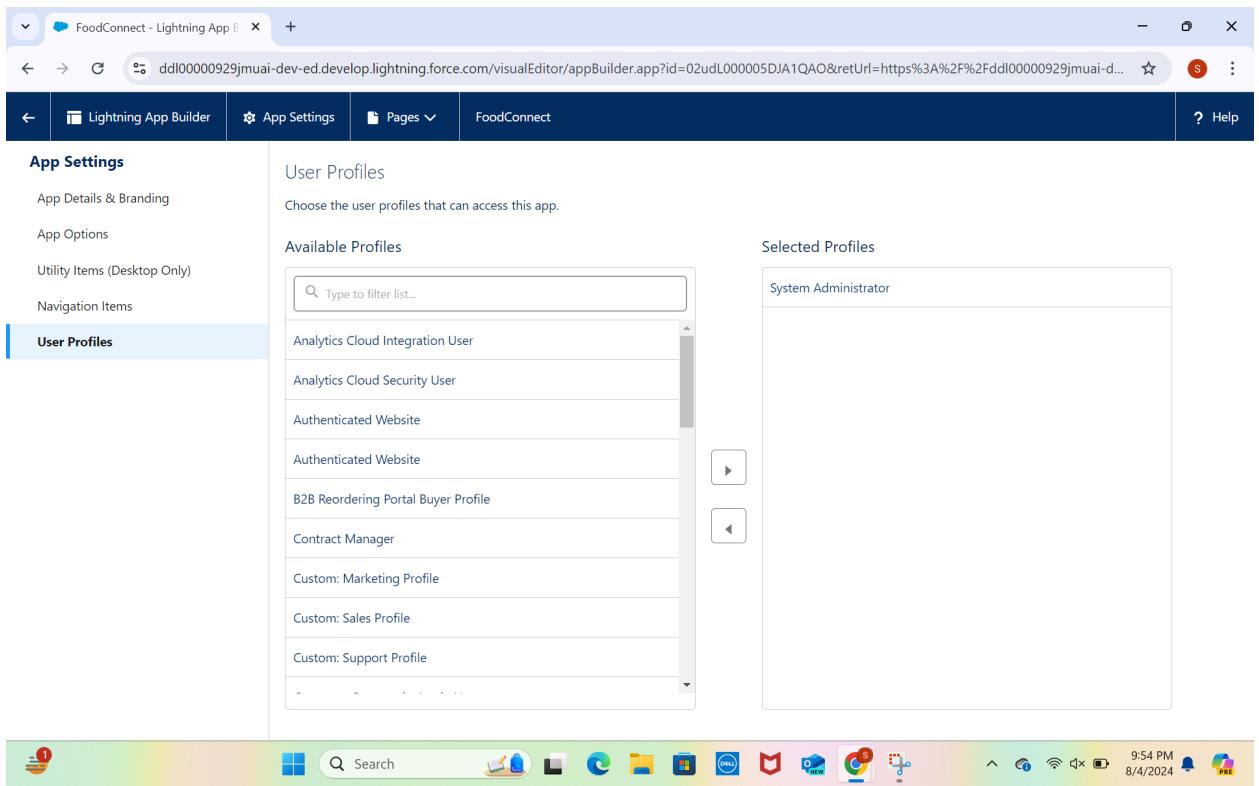
4. (Utility Items) keep it as default >> Next.

5. To Add Navigation Items:



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.

Task 5: Fields

Step 1: Creation of Relationship fields in objects

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 Detail relationship
4. Select the related object “Drop-Off point” and click next.
5. Field Name : Drop_Off_point
6. Field label : Auto generated
7. Next >> Next >> 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(Task) in the search bar >> click on the object.
23. Now click on “Fields & Relationships” >> New
24. Select Lookup relationship
25. Select the related object “Drop-Off Point” 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.

Step 2: 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.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Contact Email	Contact_Email__c	Email		
Contact Phone	Contact_Phone__c	Phone		
Created By	CreatedBy	Lookup(User)		
Last Modified By	LastModifiedBy	Lookup(User)		
Location	Location__c	Geolocation		
Owner	OwnerId	Lookup(User,Group)	✓	
Venue Location	Venue_Location__c	Long Text Area(32768)		
Venue Name	Name	Text(80)	✓	

Step 3: 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.

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.

The screenshot shows the Salesforce setup interface for the 'Venue' object. The left sidebar lists various configuration options like Page Layouts, Lightning Record Pages, Buttons, etc. The main content area is titled 'Fields & Relationships' and displays a table of existing fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Contact Email	Contact_Email_c	Email		
Contact Phone	Contact_Phone_c	Phone		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Location	Location_c	Geolocation		
Owner	OwnerId	Lookup(User,Group)		✓
Venue Location	Venue_Location_c	Long Text Area(32768)		
Venue Name	Name	Text(80)		✓

Step 4: Creation of fields for the Task 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 "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 :

1

2

3

4

5

- 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.

The screenshot shows the Salesforce Object Manager interface for the 'Task' object. The left sidebar lists various configuration options like Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, among others. The main content area is titled 'Fields & Relationships' and displays a list of 15 items, sorted by Field Label. The table includes columns for Field Label, API Name, and Type. Key entries include 'Name of the Person' (Name_of_the_Person_c, Text(30)), 'Owner' (OwnerId, Lookup(User,Group)), 'Phone' (Phone_c, Phone), 'Rating' (Rating_c, Picklist), 'Sponsored By' (Sponsored_By_c, Lookup(Venue)), 'Task ID' (Task_ID_c, Auto Number), 'Task Name' (Name, Text(80)), and 'Venue_c' (Venue_c, Lookup(Drop-Off Point)).

Step 5: 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.

Step 6: 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.

The screenshot shows the Salesforce Setup interface for the 'Volunteer' object. The main area displays the 'Fields & Relationships' section, which lists 13 items sorted by Field Label. The fields include:

Field Name	Field Label	Type	Relationship
Date of Birth	Date_of_Birth_c	Date	
Drop-Off Point	Drop_Off_Point_c	Master-Detail(Drop-Off Point)	✓
Email	Email_c	Email	
Execution ID	Execution_ID_c	Auto Number	
Gender	Gender_c	Picklist	
Last Modified By	LastModifiedByld	Lookup(User)	
Volunteer Name	Name	Text(80)	✓
Volunteer ID	Volunteer_c	Auto Number	

Task 6: FLOWS

Step 1: 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}

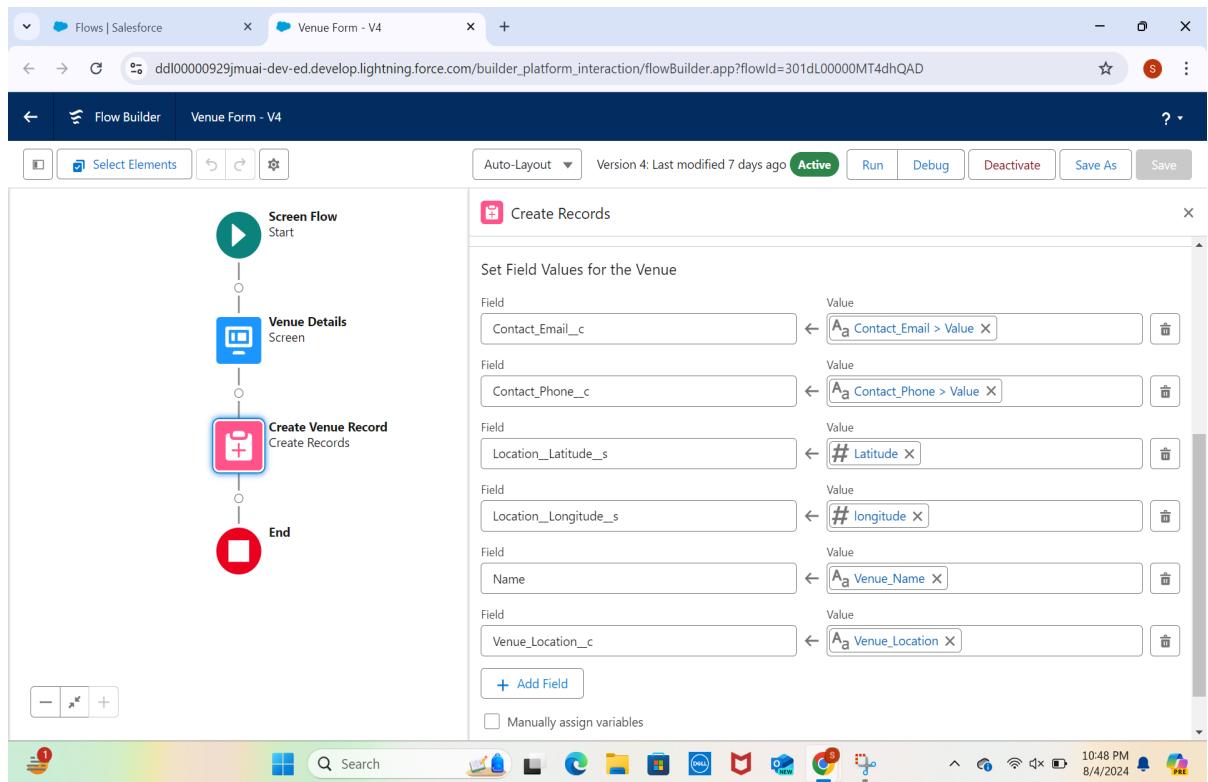
Field : Value = Location__Longitude__s : {!longitude}

14. This would look like:

15. Click on Save as:

Flow Label : Venue Form

Flow API Name : Venue_Form



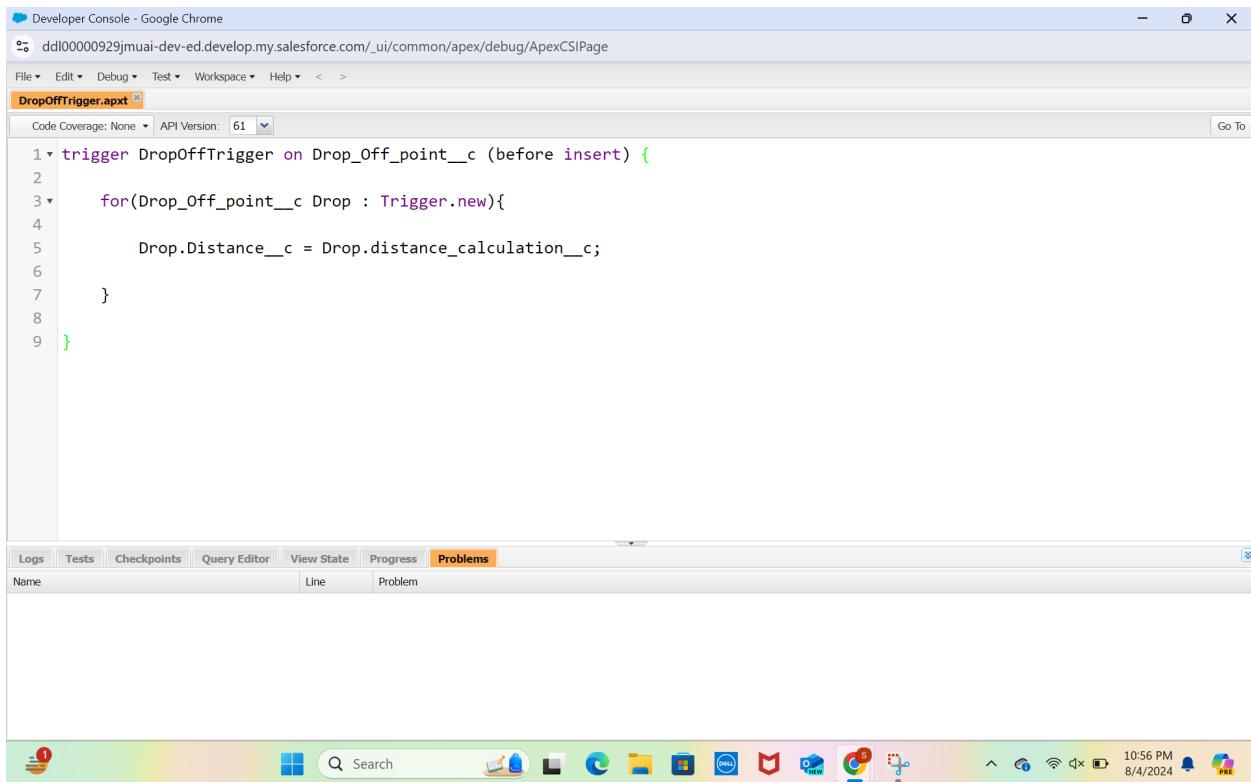
Task 7: Trigger

Step 1: Create A Trigger

1. Log into the trailhead account, navigate to the gear icon in the top right corner.
2. Click on developer console and you will be navigated to a new console window.

3. Click on the File menu in the toolbar, and click on new >> Trigger.
4. Enter the trigger name and the object to be triggered . .Enter Name : DropOffTrigger, Object: Drop-Off Point ,Click on Submit.

Step 2: Trigger Code



The screenshot shows the Salesforce Developer Console in Google Chrome. The URL is `dd00000929muai-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. The tab title is "Developer Console - Google Chrome". The page displays the Apex trigger code for "DropOffTrigger.apxt". The code is as follows:

```

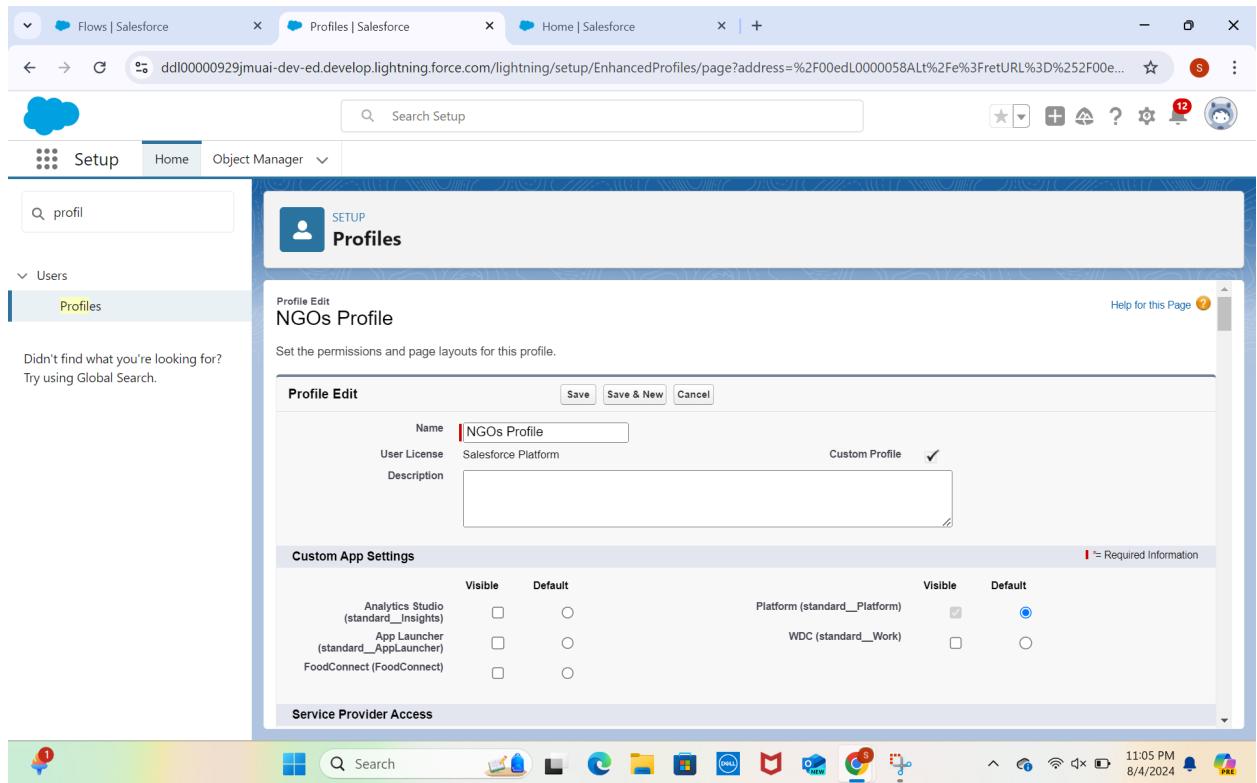
trigger DropOffTrigger on Drop_Off_point__c (before insert) {
    for(Drop_Off_point__c Drop : Trigger.new){
        Drop.Distance__c = Drop.distance_calculation__c;
    }
}

```

The "Problems" tab is selected at the bottom of the editor. The system tray at the bottom right shows the date and time as 8/4/2024 10:56 PM.

Task 8: Profiles

1. Go to setup page >> type Profiles in Quick Find bar >> click on Profiles >> click on 'S'
2. Click on Clone beside Standard Platform User.
3. Under Clone Profile:
Profile Name : NGOs Profile
Then click on Save



Task 9: Creation of Users

Step 1: 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,Click on Save

The screenshot shows the Salesforce Setup interface. The main window is titled "User Edit" for a user named "Iksha Foundation Iksha_Foundation". The "General Information" section is visible, containing fields for First Name, Last Name, Alias, Email, Username, Nickname, Title, Company, Department, Division, Role, User License, Profile, and Active status. The "Active" checkbox is checked. The sidebar on the left is expanded, showing categories like "Users", "Feature Settings", "Data.com", "Prospector", "Service", and "Embedded Service". The "Users" category is currently selected. The top navigation bar shows tabs for "Flows", "Users", and "Home". The bottom taskbar includes icons for various applications and shows the date and time as 8/4/2024 at 11:10 PM.

Step 2: 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.

The screenshot shows the Salesforce Setup interface. The left sidebar is expanded to show 'User Management Settings' and 'Users'. The main content area is titled 'All Users' and displays a table of users. The table columns are: Action, Full Name, Alias, Username, Role, Active, and Profile. There are three users listed:

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	Silankotwar_Sravani	SSila	sravaniorproject123@gmail.com	✓	System Administrator	
<input type="checkbox"/> Edit	Sony_Sony	ssony	yadavsilankotwar@gmail.com	✓	NGOs_Profile	
<input type="checkbox"/> Edit	Sravani_Sravani	ssrav	sravs@gmail.com	✓	NGOs_Profile	

Task 10: Public Groups

Step 1: Creation of Public Group 1

1. Go to setup page >> type Public Groups in Quick Find bar >> click on Public Groups >> click on New.
2. Under Group Information:
 - Label : Iksha
 - Group Name : Iksha
 - Grant Access Using Hierarchies : Check
3. In Search, Select Users.
4. In Selected Members Add Iksha Foundation and System Administrator

Step 2: 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.

The screenshot shows the Salesforce Setup interface with the 'Public Groups' page open. The left sidebar shows categories like Users, Feature Settings, and Company Settings. The main content area displays a table of Public Groups:

Action	Label	Group Name	Created By	Created Date
Edit Del	Iksha	Iksha	Silankotwar, Sravani	28/07/2024, 6:23 pm
Edit Del	Sony	Sony	Silankotwar, Sravani	28/07/2024, 6:25 pm
Edit Del	Sravani	Sravani	Silankotwar, Sravani	28/07/2024, 6:25 pm

Task 11: Report Types

Step 1: 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

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

Custom Report Type Definition:

- 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
- Created By: Sravani Silankotwar, 28/07/2024, 6:32 pm
- Modified By: Sravani Silankotwar, 28/07/2024, 6:32 pm
- Report Type Category: Other Reports
- Deployment Status: In Development

Object Relationships:

Venues (A) with or without related records from Drop-Off Points (B) with or without related records from Volunteers (C)

A Venn diagram illustrates the relationships between three sets: A (Venues), B (Drop-Off Points), and C (Volunteers). The diagram shows various overlaps between the sets, representing how Venues can be associated with Drop-Off Points and Volunteers.

Task 12: Reports

Step 1: 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.
8. Now click on Save & Run.
9. Give Label as :
10. Report Name : venue and Drop Off point
11. Report Unique Name : Auto Populated
12. Click on Select Folder and select Custom Report, then click on Save.

The screenshot shows a Salesforce Lightning interface for the FoodConnect application. The top navigation bar includes links for Home, Venues, Tasks, Drop-Off Points, Execution Details, Volunteers, Reports, and Dashboards. The Reports tab is currently selected. A sub-menu for Reports shows 'Report: Venue with DropOff with Volunteer' and 'venue and Drop Off point'. The main content area displays a table with the following data:

Volunteer Name	Venue Name	Drop-Off Point Name	Distance
- (4)	Supply Food to Poor	hyd	-
	Help	hyd	-
	helping hands	pune	-
	help	-	-
Subtotal			0.0000
Subtotal	Help others	Pune	-
Total (5)			0.0000

At the bottom of the report view, there are buttons for Row Counts, Detail Rows, Subtotals, and Grand Total. The status bar at the bottom right shows the date and time as 8/5/2024 7:22 PM.

Step 2: 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.
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.

The screenshot shows a web browser window with multiple tabs open. The active tab is 'Volunteer Task | Salesforce'. Below the tabs, the FoodConnect navigation bar includes links for Home, Venues, Tasks, Drop-Off Points, Execution Details, Volunteers, Reports (selected), and Dashboards. The main content area displays a report titled 'Report: Tasks with Execution Details and Volunteers' under the 'Volunteer Task' section. The report table has the following columns: Volunteer: Volunteer ID, Task: Task Name, Volunteer: Volunteer Name, Execution Detail: Execution Detail Name, and Task: Created Date. The data in the table is as follows:

Volunteer: Volunteer ID	Task: Task Name	Volunteer: Volunteer Name	Execution Detail: Execution Detail Name	Task: Created Date
1 (2)	Food Distribution (1)	Sravani	Food	28/07/2024
	Subtotal			
	giving food to poor (1)	Sravani	Contributing for help to poor	28/07/2024
	Subtotal			
Total (2)				

At the bottom of the report interface, there are buttons for 'Enable Field Editing', 'Search', 'Add Chart', and 'Edit'. The status bar at the bottom of the browser window shows the date and time as 8/5/2024 and 7:23 PM.

Task 13: Dashboards

Step 1: 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)

1. Now click on save.

The screenshot shows the FoodConnect application interface. A modal window titled 'Edit Widget' is open, displaying a table titled 'venue and Drop Off point'. The table has columns: 'Venue Name' (sorted by ascending), 'Drop-Off Point Name', and 'Distance'. The data rows are:

Venue Name	Drop-Off Point Name	Distance
Help	hyd	-
help	-	-
helping hands	pune	-
Help others	Pune	-
Supply Food to Poor	hyd	-

Below the table, there is a link 'View Report (venue and Drop Off point)'. The background of the application shows a navigation bar with tabs like Home, Venues, Tasks, Drop-Off Points, Execution Details, Volunteers, Reports, and Dashboards. The 'Reports' tab is currently selected. The status bar at the bottom shows the time as 7:58 PM and the date as 8/5/2024.

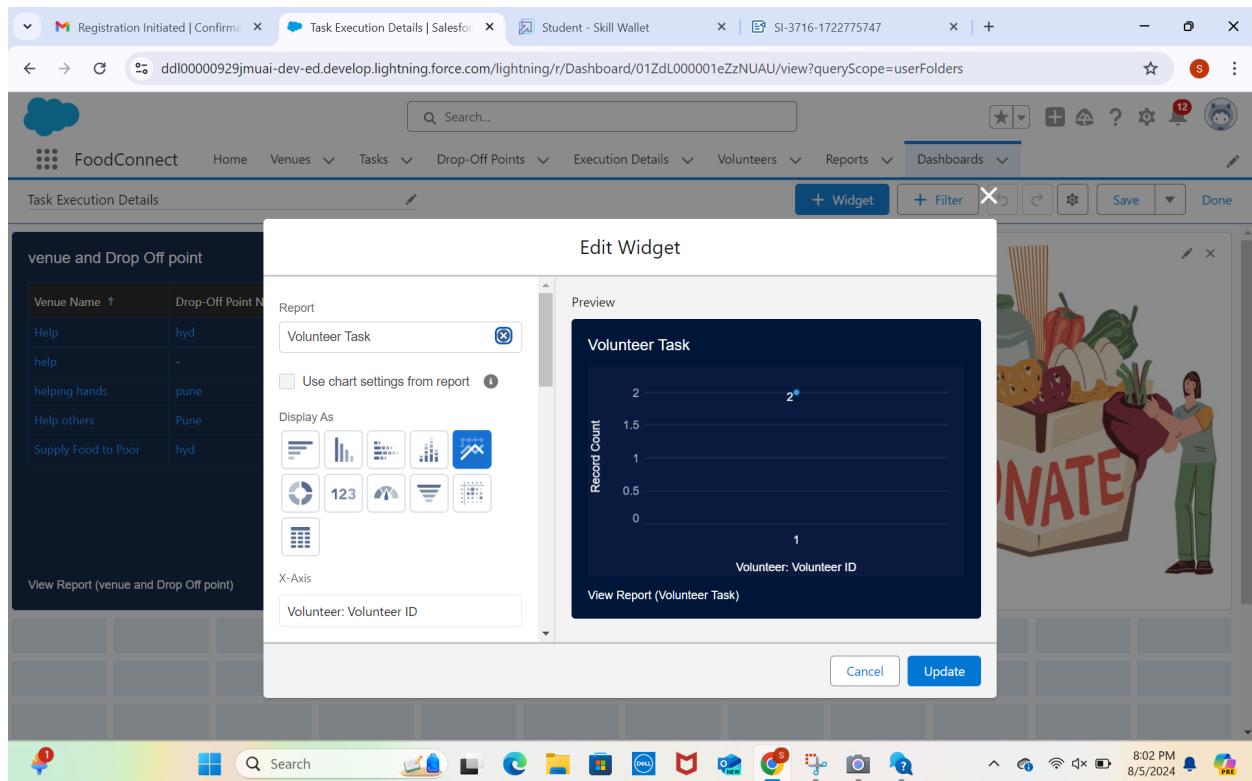
Step 2: Adding Volunteer Task Report to the Dashboard

1. Click on Widget and select Chart or Table
2. In Select Report : Select Volunteer Task Report.
3. Then click on select
4. In Add Component:

Display As : Select Line Chart

Component Theme : Select Dark (Optional)

1. Now click on save.



Step 3: Adding a Picture to the Dashboard

(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.

Venue Name ↑	Drop-Off Point Name	Distance
Help	hyd	-
help	-	-
helping hands	pune	-
Help others	Pune	-
Supply Food to Poor	hyd	-

Task 14: Sharing Rules

Step 1: 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:

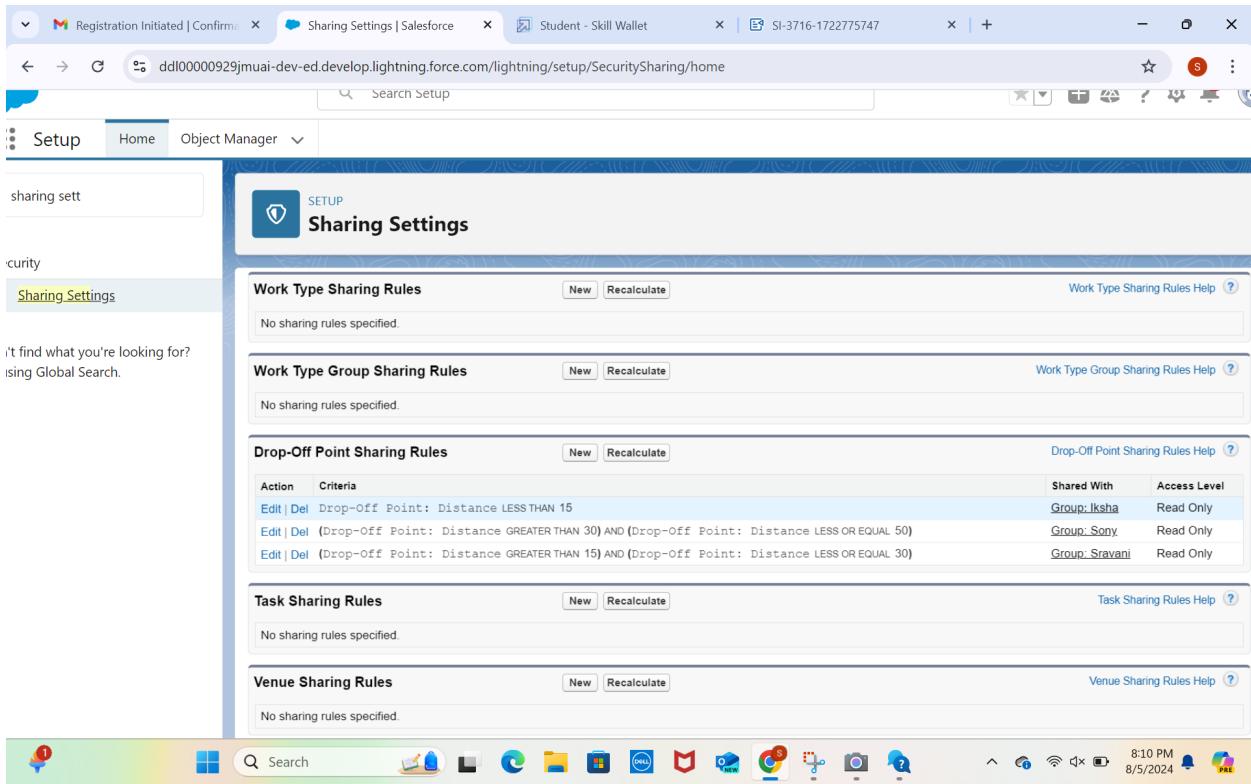
Field : Operator : Value = Distance : greater than : 30

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.



Task 15: 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.
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 a Salesforce Lightning page for the FoodConnect project. At the top, there are several tabs: 'Registration Initiated | Confirmation' (active), 'Home | Salesforce', 'Student - Skill Wallet', and 'SI-3716-1722775747'. Below the tabs is a header bar with a cloud icon, a search bar, and various navigation links: Home, Venues, Tasks, Drop-Off Points, Execution Details, Volunteers, Reports, and Dashboards.

The main content area features a 'Task Execution Details' dashboard. It includes a table titled 'venue and Drop Off point' with the following data:

Venue Name	Drop-Off Point	Dis...
Help	hyd	-
help	-	-
helping hands	pune	-
Help others	Pune	-
Supply Food to Poor	hyd	-

Below this is a chart titled 'Volunteer Task' showing 'Record Count' versus 'Volunteer: Volunteer ID'. The chart has two data points at (1, 0) and (2, 2). There is also a large graphic of two volunteers carrying a box labeled 'DONATE' filled with vegetables.

To the right of the dashboard is a 'Venue Form' sidebar with fields for Venue Name, Email, Phone, Venue Location, Latitude, and Longitude, each with a corresponding input field. A 'Next' button is at the bottom right of the form.

The bottom of the screen shows a Windows taskbar with various icons and the date/time: 8/5/2024, 8:14 PM.

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.



THANK YOU!