

SHIVANI ENGINEERING COLLEGE

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Project title

TO SUPPLY LEFTOVER FOOD TO POOR

TEAM MEMBERS

1 PRAVEEN KUMAR D (Leader)

2 SAIRAM TV

3 SIVAKUMAR C

4 RAJA C

**Guided by
Mr. Jayashree k**

Platform: Salesforce Developer

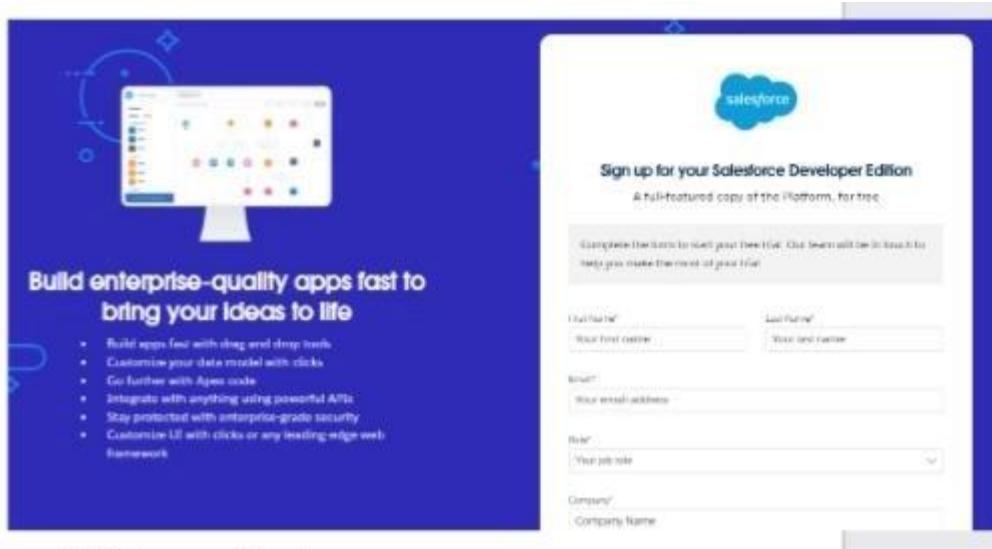
Data of submission: 01/11/2025

Project Description

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

Creating Developer Account

In this step, a new Salesforce Developer Account is created using a valid email address. This account provides access to the development environment for project setup.



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

Username: should be a combination of your name and company

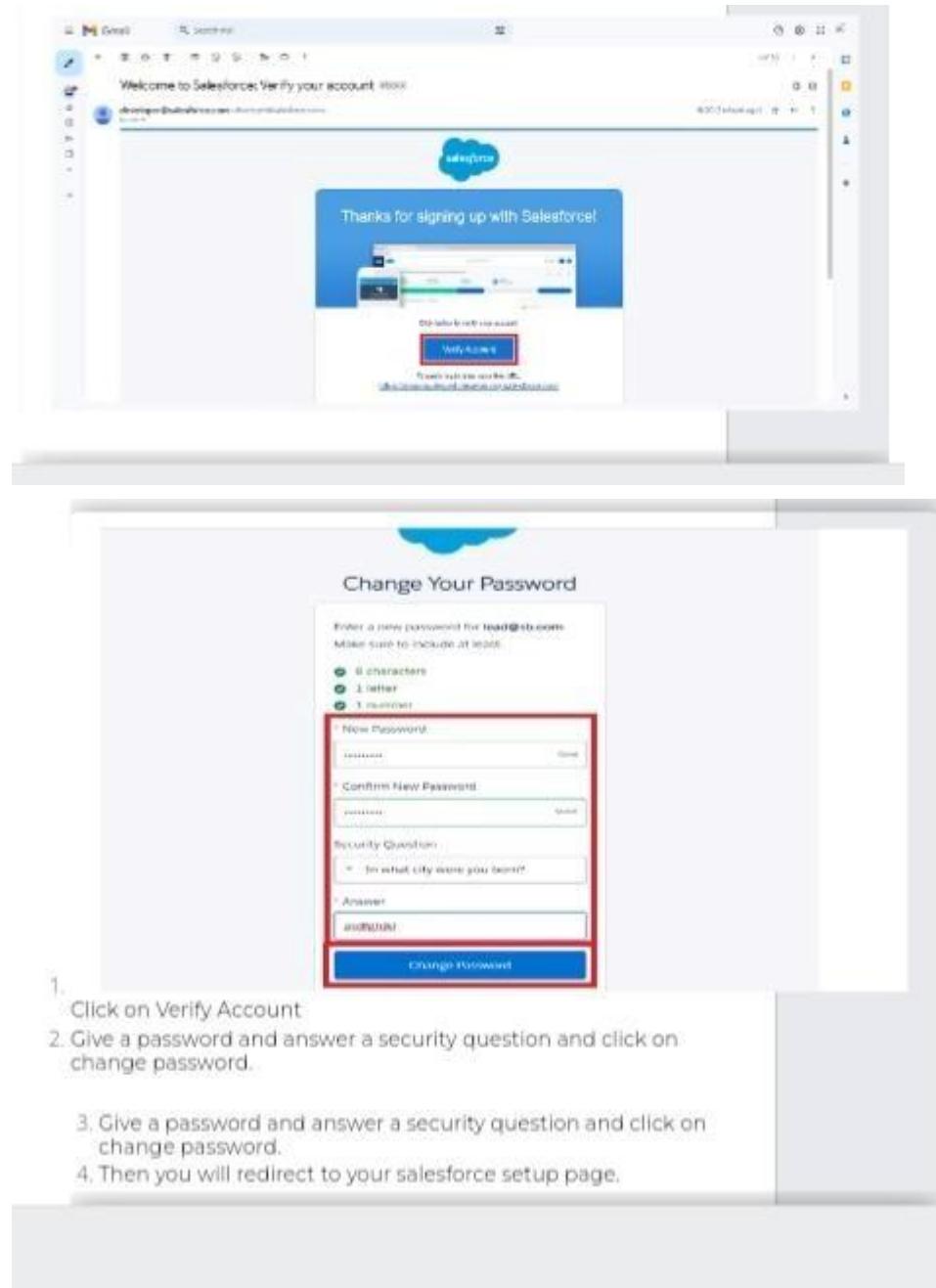
This need not be an actual email id, you can give anything in the format:

username@organization.com

Click on sign me up after filling these.

Account Activation

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



Click on Verify Account

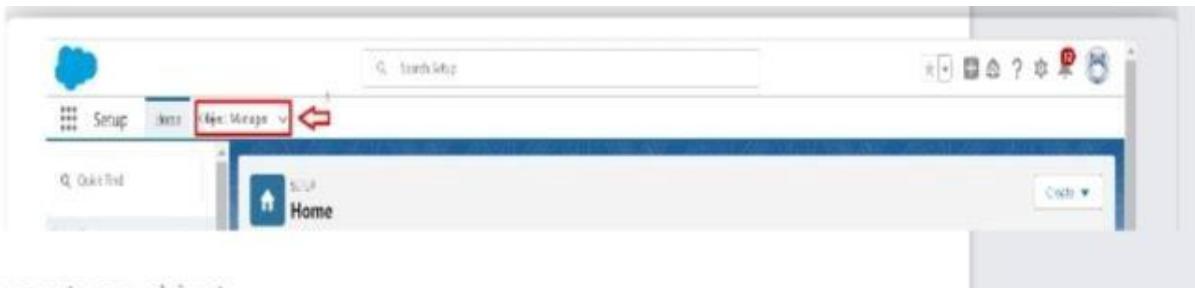
Give a password and answer a security question and click on change password.

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

Then you will redirect to your salesforce setup page.

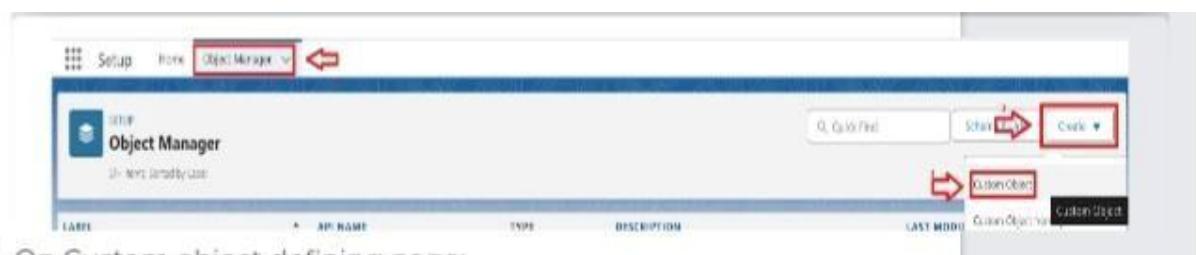
Object

To Navigate to Setup page:



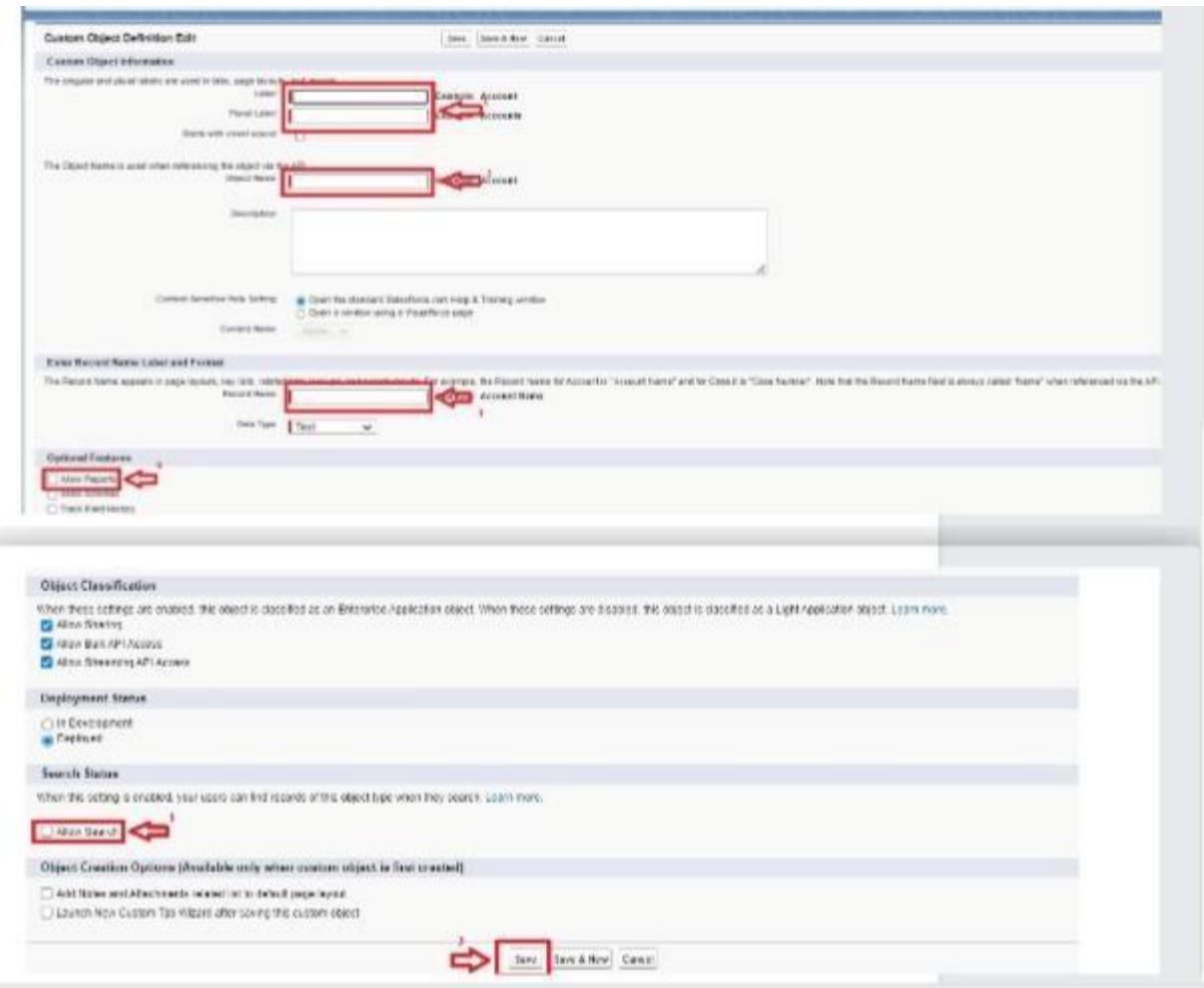
To create an object:

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



On Custom object defining page:

Enter the label name, plural label name, click on Allow reports, Allow search.



Click on Save.

Create Venue Object

To create an object:

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

Create Drop-Off Point Object

To create an object:

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

Create Task Object

To create an object:

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

Create Volunteer Object

To create an object:

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

Create Execution Details Object

To create an object:

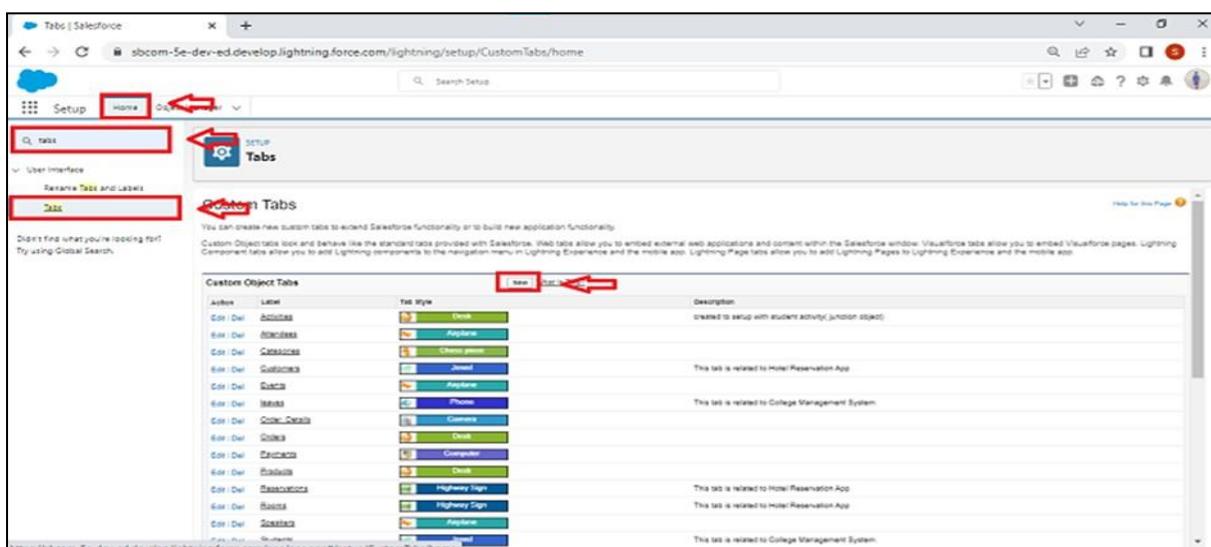
1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
 1. Enter the label name >> Execution Detail

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

Creating a Custom Tab

To create a Tab:(Venue)

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



1. Select Object (Venue) >> Select the tab style >> Next (Add to profiles page) keep it as default >> Next (Add to Custom App) uncheck the include tab.
2. Make sure that the Append tab to users' existing personal customizations is checked.
3. Click save

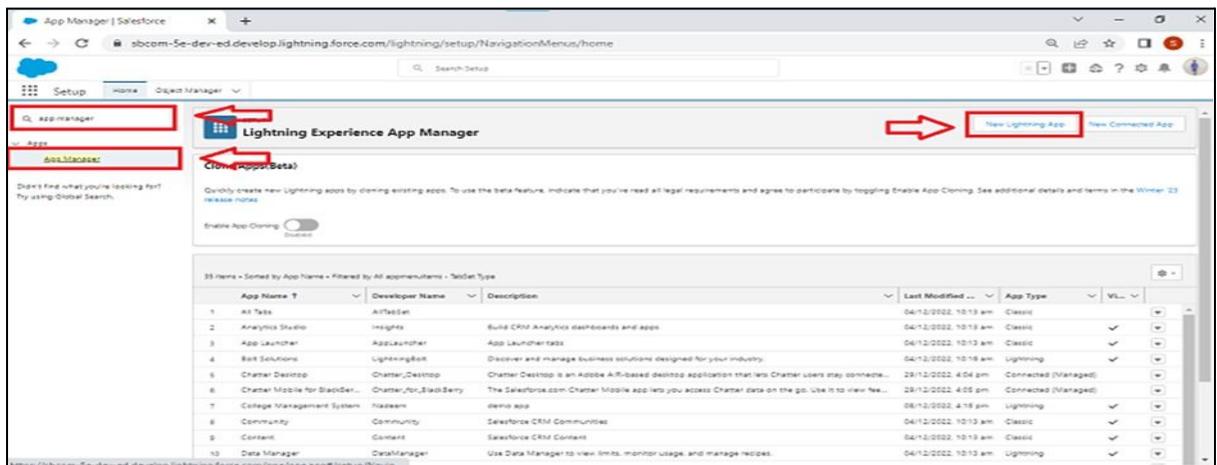
Creating Remaining Tabs

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

Create a Lightning App

To create a lightning app page:

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



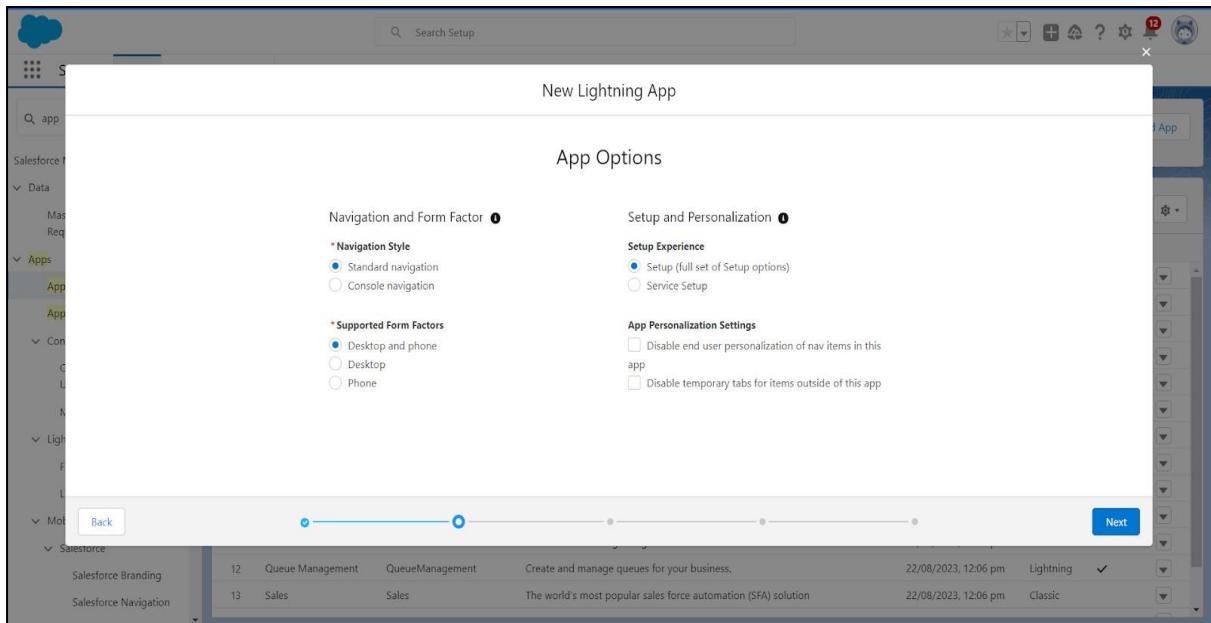
2. Fill the app name in app details and branding as follow

App Name: Food Connect

Developer Name: This will auto Populated

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

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



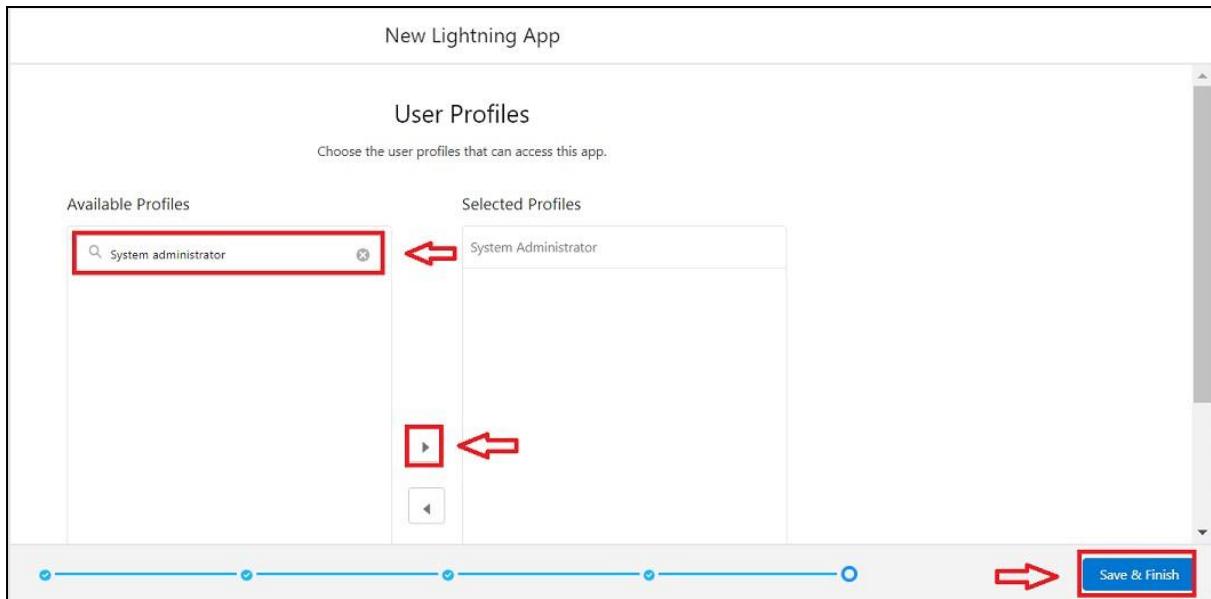
4. (Utility Items) keep it as default >> Next.

5. To Add Navigation Items:

Available Items	Selected Items
Accounts	Home
All Sites	Venues
Alternative Payment Methods	Tasks
Analytics	Drop-Off points
App Launcher	Execution Details
Appointment Categories	Volunteers
Appointment Invitations	Reports
Approval Requests	Dashboards
Asset Action Sources	
Asset Actions	

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:

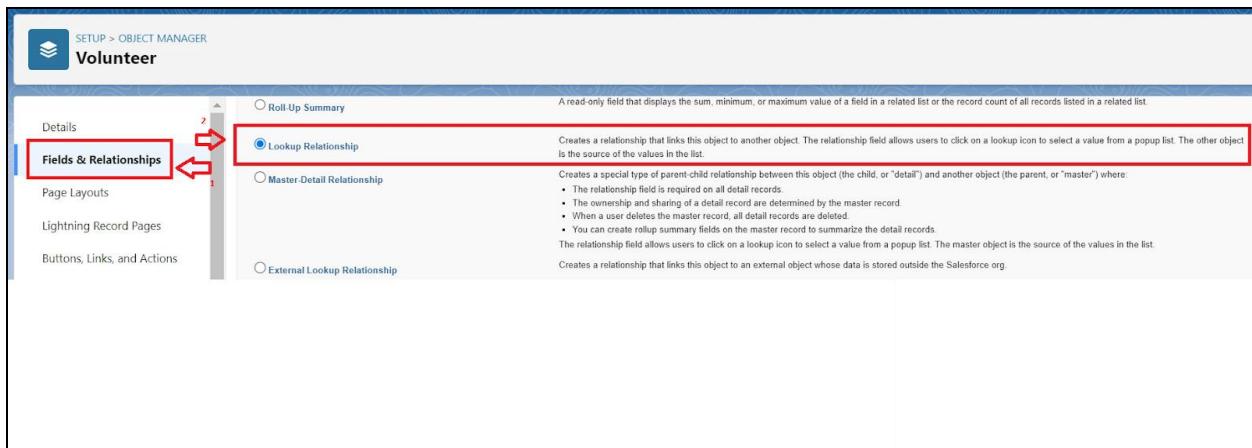


Search profiles (System administrator) in the search bar >> click on the arrow button >> save & finish.

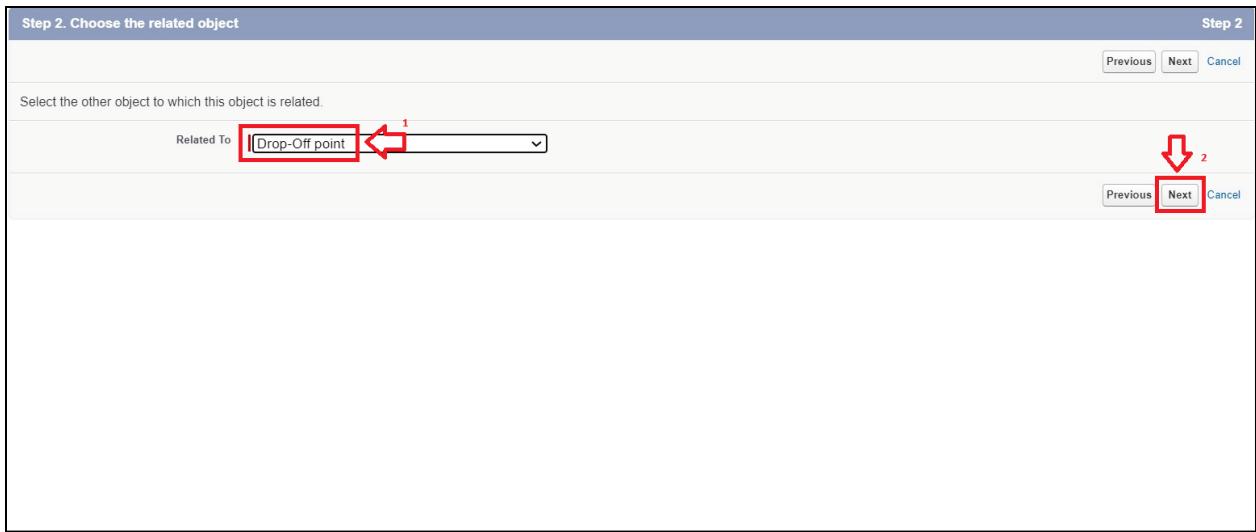
Creation of Relationship fields in objects

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 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 (Drop-Off Point) in the search bar >> click on the object.
23. Now click on “Fields & Relationships” >> New
24. Select Lookup relationship
25. Select the related object “Venue” and click next.
26. Field Name: Venue
27. Field label: Venue c 28. Next >> Next >> Save.

Creation of Lookup Relationship Field on Task Object:

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

Creation of Lookup Relationship Field on Task Object:

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

Creation of fields for the Venue object

1. Go to setup>> click on Object Manager >> type object name (Venue) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New 3. Select Data type as a “Email” and Click on Next
4. Fill the Above as following:
 - Field Label: Contact Email
 - Field Name: Contact Email
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create Another fields in an object:

5. Go to setup >> click on Object Manager >> type object name (Venue) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New 7. Select Data type as a “Phone” and Click on Next
8. Fill the Above as following:
 - Field Label: Contact Phone
 - Field Name: Contact Phone
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name (Venue) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New 3. Select Data type as a “Geolocation” and Click on Next
4. Fill the Above as following:
 - Field Label: Location
 - Decimal Places: 4
 - Field Name: Location
 - Description: Enter the Geolocation of your Venue • Click on Next >> Next >> Save and new.

To create another fields in an object:

9. Go to setup >> click on Object Manager >> type object name (Venue) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New
11. Select Data type as a “Long Text Area” and Click on Next
12. Fill the Above as following:
 - Field Label: Venue Location
 - Field Name: Venue Location
 - Click on Next >> Next >> Save and new.

Creation of fields for the Drop-Off point object

Go to setup >> click on Object Manager >> type object name (Drop-Off point) in search bar >> click on the object.

2. Now click on “Fields & Relationships” >> New 3.
- Select Data type as a “Geolocation” and Click on Next
4. Fill the Above as following:
 - Field Label: Location 2
 - Field Name: gets auto generated
 - Description: Enter the Geolocation of the Drop off Point
 - Geolocation Options: select Decimal

- Decimal Places: 4
- Click on Next >> Next >> Save and new.

To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name (Drop-Off point) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New 3. Select Data type as a “Formula” and Click on Next
4. Fill the Above as following:
 - Field Label: distance calculation
 - Field Name: distance calculation
 - Formula Return Type: Number
 - Formula Options: DISTANCE (Location_2_c Venue_r.Location_c , 'km') • Click on Next >> Next >> Save and new.

The screenshot shows the 'Formula Options' dialog box. At the top, 'Formula Return Type' is set to 'Number' and 'Decimal Places' is set to 4. Below that, there's a note about checking syntax and a link to examples. The 'Simple Formula' tab is active, showing a placeholder 'distance calculation (Number) =' followed by the formula 'DISTANCE(Location_2_c , Venue_r.Location_c , 'km')'. This entire formula line is highlighted with a red box.

To create another fields in an object:

5. Go to setup >> click on Object Manager >> type object name (Drop-Off point) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New 7. Select Data type as a “Picklist” and Click on Next
8. Fill the Above as following:
 - Field Label: State
 - Field Name: State

- Enter values, with each value separated by a new line:

Andhra Pradesh

Arunachal Pradesh

Assam

Bihar

Chhattisgarh

Goa

Gujarat

Haryana

Himachal Pradesh

Jharkhand

Karnataka

Kerala

Maharashtra

Madhya Pradesh

Manipur

Meghalaya

Mizoram

Nagaland

Odisha

Punjab

Rajasthan

Sikkim

Tamil Nadu

Tripura

Telangana

Uttar Pradesh

Uttarakhand

West Bengal

Andaman & Nicobar (UT)

Chandigarh (UT)

Dadra & Nagar Haveli and Daman & Diu (UT)

Delhi [National Capital Territory (NCT)]

Jammu & Kashmir (UT)

Ladakh (UT)

Lakshadweep (UT)

Puducherry (UT)

- Click on required check box

- Click on Next >> Next >> Save and new.

To create another fields in an object:

9. Go to setup >> click on Object Manager >> type object name (Task) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New 11. Select Data type as a “Number” and Click on Next
12. Fill the Above as following:
 - Field Label: Distance
 - Field Name: Distance
 - Length: 14
 - Decimal Places: 4
 - Click on required check box
 - Click on Next >> Next >> Save and new.

Creation of fields for the Task object

Go to setup>> click on Object Manager >> type object name (Task) in search bar >> click on the object.

2. Now click on “Fields & Relationships” >> New 3. Select Data type as a “Auto Number” and Click on Next
4. Fill the Above as following:

- Field Label: Task ID
- Display Format: TASK-{0}
- Starting Number: 1
- Field Name: gets auto generated
- Click on required check box
- Click on Next >> Next >> Save and new.

To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name (Task) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New 3. Select Data type as a “Date” and Click on Next
4. Fill the Above as following:
 - Field Label: Date
 - Field Name: Date
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

5. Go to setup >> click on Object Manager >> type object name (Task) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New

7. Select Data type as a “Picklist (Multi-Select)” and Click on Next
8. Fill the Above as following:
 - Field Label: Food Category
 - Field Name: Food Category
 - Enter values, with each value separated by a new line:

Veg
Non-Veg
Salad
Snack

- Click on required check box
- Click on Next >> Next >> Save and new.

To create another fields in an object:

9. Go to setup >> click on Object Manager >> type object name (Task) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New
11. Select Data type as a “Number” and Click on Next
12. Fill the Above as following:
 - Field Label: Number of People Served
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

13. Go to setup >> click on Object Manager >> type object name (Task) in search bar >> click on the object.
14. Now click on “Fields & Relationships” >> New
15. Select Data type as a “Text” and Click on Next
16. Fill the Above as following:
 - Field Label: Name of the Person
 - Field Name: Name Of The Person
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

17. Go to setup >> click on Object Manager >> type object name (Task) in search bar >> click on the object.
18. Now click on “Fields & Relationships” >> New
19. Select Data type as a “Phone” and Click on Next
20. Fill the Above as following:
 - Field Label: Phone
 - Field Name: Phone
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

21. Go to setup >> click on Object Manager >> type object name (Task) in search bar >> click on the object.

22. Now click on “Fields & Relationships” >> New 23. Select Data type as a “Pick List” and Click on Next

24. Fill the Above as following:

- Field Label: Rating
- Field Name Rating
- Enter values, with each value separated by a new line: • Click on Next >> Next >> Save and new.

To create another fields in an object:

25. Go to setup >> click on Object Manager >> type object name (Task) in search bar >> click on the object.

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

27. Select Data type as a “Long Text Area” and Click on Next

28. Fill the Above as following: • Field Label: Feedback

- Field Name: Feedback
- Click on Next >> Next >> Save and new.

Creation of fields for the Volunteer object

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

2. Now click on “Fields & Relationships” >> New 3. Select Data type as a “Auto Number” and Click on Next

4. Fill the Above as following:

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

To create another fields in an object:

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

2. Now click on “Fields & Relationships” >> New 3. Select Data type as a “Picklist” and Click on Next

4. Fill the Above as following:

- Field Label: Gender
- Field Name: Gender
- Enter values, with each value separated by a new line:
Female
Male
- Click on Next >> Next >> Save and new.

To create another fields in an object:

5. Go to setup >> click on Object Manager >> type object name (Volunteer) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New 7. Select Data type as a “Date” and Click on Next
8. Fill the Above as following:
 - Field Label: Available On
 - Field Name: Available On
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

9. Go to setup >> click on Object Manager >> type object name (Volunteer) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New 11. Select Data type as a “Number” and Click on Next
12. Fill the Above as following:
 - Field Label: Age
 - Field Name: Age
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

13. Go to setup >> click on Object Manager >> type object name (Volunteer) in search bar >> click on the object.
14. Now click on “Fields & Relationships” >> New 15. Select Data type as a “Email” and Click on Next
16. Fill the Above as following:
 - Field Label: Email
 - Field Name: Email
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

17. Go to setup >> click on Object Manager >> type object name (Volunteer) in search bar >> click on the object.
18. Now click on “Fields & Relationships” >> New 19. Select Data type as a “Number” and Click on Next
20. Fill the Above as following:
 - Field Label: Contact Number
 - Field Name: Contact Number
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

21. Go to setup >> click on Object Manager >> type object name (Volunteer) in search bar >> click on the object.
22. Now click on “Fields & Relationships” >> New
23. Select Data type as a “Text Area (Long)” and Click on Next
24. Fill the Above as following:
 - Field Label: Address
 - Field Name: Address
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

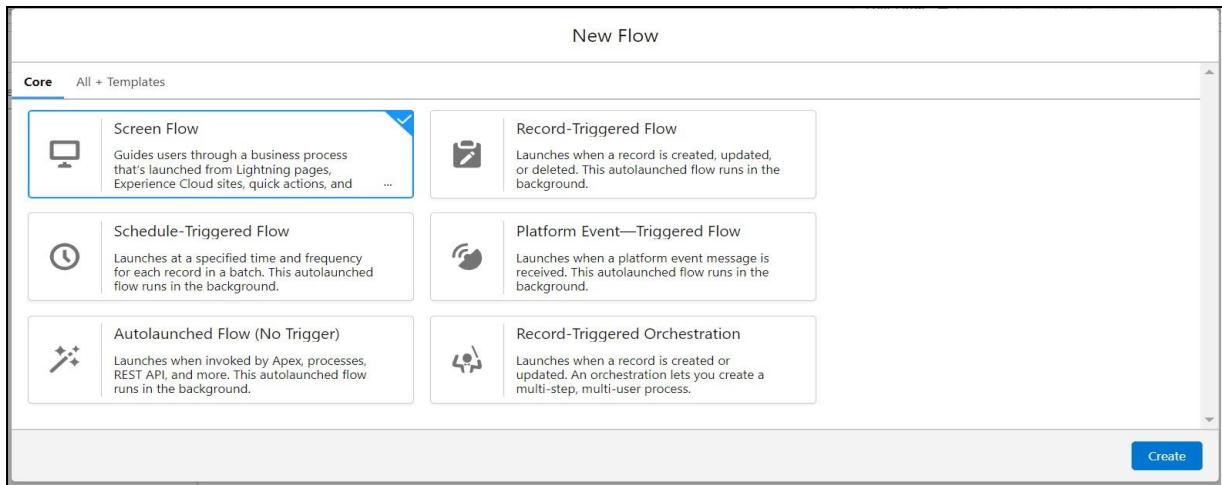
25. Go to setup >> click on Object Manager >> type object name (Volunteer) in search bar >> click on the object.
26. Now click on “Fields & Relationships” >> New
27. Select Data type as a “Date” and Click on Next
28. Fill the Above as following:
 - Field Label: Date of Birth
 - Field Name: Date of Birth
 - Click on Next >> Next >> Save and new.

Creation of fields for the Execution Details object

1. Go to setup >> click on Object Manager >> type object name (Volunteer) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Auto Number” and Click on Next
4. Fill the Above as following:
 - Field Label: Execution ID
 - Field Name: gets auto generated
 - Click on required check box
 - Click on Next >> Next >> Save and new.

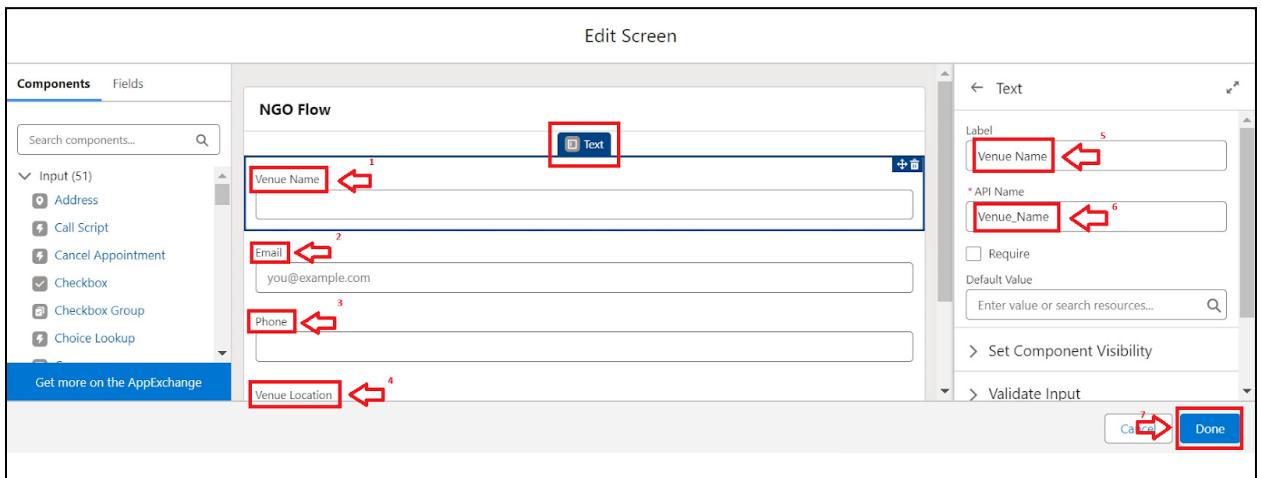
Create Flow to create a record in Venue object

1. Go to setup >> type Flow in quick find box >> Click on the Flow and Select the New Flow.
2. Select the Screen flow. Click on create.



3. Click on the '+' icon in between start and end, and click on screen element.
4. Under the Screen Properties: Label: Venue Details
API Name: Venue Details
5. Now lets add components in this flow. Click on Text Component and name it as: Label: Venue Name
API Name: Venue Name
6. Click on Email Component and name it as:
Label: Email
API Name: Contact Email
7. Click on Phone Component and name it as: Label: Phone
API Name: Contact Phone
8. Click on Text Component and name it as: Label: Venue Location
API Name: Venue Location
9. Click on Number Component and name it as: Label: Latitude
API Name: Latitude
10. Click on Number Component and name it as: Label: longitude
API Name: longitude

11. Next click on Done. This would 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

How Many Records to Create: One

How to Set the Record Fields: Use separate resources, and literal values

Object: Venue

Set Field Values for the Venue: Click on 'Add Field' 5 times

Field: Value = Contact Email c: {Contact Email value}

Field: Value = Contact Phone_c: {! Contact Phone value}

Field: Value = Name: {! Venue Name}

Field: Value = Venue Location c: {! location}

Field: Value = Location Latitude s: {! latitude}

Field: Value = Location Longitude s : {!longitude}

14. This would look like:

Create a Record of This Object

* Object
Venue

Set Field Values for the Venue

Field Contact_Email_c	Value Aa Contact_Email > Value X	<input type="button" value="Delete"/>
Field Contact_Phone_c	Value Aa Contact_Phone > Value X	<input type="button" value="Delete"/>
Field Name	Value Aa Venue_Name X	<input type="button" value="Delete"/>
Field Venue_Location_c	Value Aa location X	<input type="button" value="Delete"/>

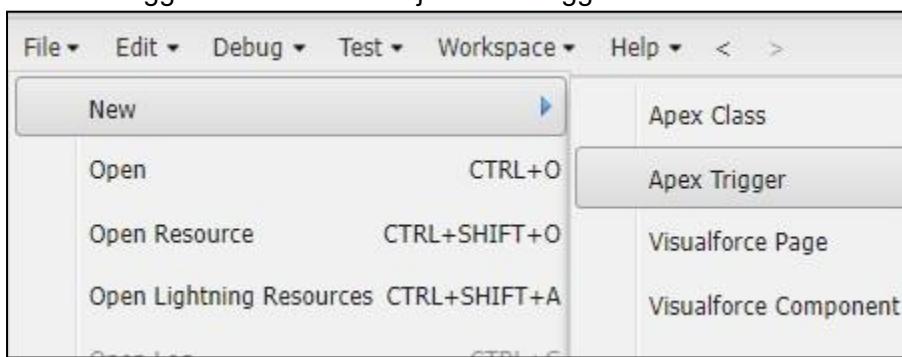
15. Click on Save as:

Flow Label: Venue Form

Flow API Name: Venue Form

Create a Trigger

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





5. Enter Name: Drop Off Trigger Object: Drop-Off Point
6. Click on Submit.

Trigger Code

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

Code:

```
trigger Drop Off Trigger on Drop Off point c (before insert) { for (Drop Off point c  
Drop: Trigger new) {  
    Drop Distance c = Drop distance calculation c;  
}  
}
```

Profiles

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

Click on Clone beside Standard Platform User.

Under Clone Profile:

Profile Name: NGOs Profile

Then click on Save

Creation of Users

In our Project we consider them as NGO's

Creation of User1

1. Go to setup page >> type users in Quick Find bar >> click on users>> New user.
2. In General Information give details as: (Note: create users as per your wish NGO's)

Active : Check

General Information	
First Name	Iksha Foundation
Last Name	Iksha_Foundation
Alias	iiksh
Email	bhargavipaila1023@gmail.com
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 another Two Users by following steps in Activity - 1 with similar User License and Profile.
2. Give Different First Name, Last Name based on Different NGO's.

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

Creation of Report Types

1. Go to setup page >> type Report Types in Quick Find bar >> click on Report Types >>click on Continue >> Click on New Custom Report Type.
2. In Define the Custom Report Type:

Primary Object: Select Venues

Report Type Label: Venue with Drop Off with Volunteer

Report Type Name: Venue with Drop Off with Volunteer

Description: Venue with Drop Off with Volunteer

Store in Category: Select Other Reports

- Deployment Status: Deployed
3. Click on Next
 4. Near Click to relate another Object Select Drop-Off Points.
 5. And also select "A" records may or may not have related "B" records.
 6. Now again Near Click to relate another Object Select Volunteers.
 7. Now click on Save.

Creation of Report on Venue with Drop Off with Volunteer

1. Go to the app (Food Connect) >> click on the reports tab
2. Click on New Folder.

Folder Label: Custom Reports

Folder Unique Name: Custom Reports
3. Open Custom Reports and click on New Report 4. Select Report Type: Venue with Drop Off with Volunteer
5. Then click on Start Report.
6. In GROUP ROWS: Add Volunteer Name
7. In Columns: Add Venue Name, Drop-Off point Name, Distance.

The screenshot shows the FoodConnect report builder interface. On the left, the 'Outline' section is open, displaying 'Groups' and 'Columns'. Under 'Groups', there are 'GROUP ROWS' with an 'Add group...' button and a search icon, and 'GROUP COLUMNS' with an 'Add group...' button and a search icon. Under 'Columns', there are 'Add column...', 'Venue Name' (selected), 'Drop-Off point Name', and '# Distance'. On the right, the 'Filters' section shows a preview of a report with the following data:

Volunteer Name ↑	Venue Name ↑	Drop-Off point Name ↓	Distance ↓
- (4)	La Royale Banquet Hall.	Shapur	5.1161
	La Royale Banquet Hall.	Jeedimetla	6,902.9995
	Paradise Garden Function Hall	Suraram Village	28.2332
	Ujwala Grand	-	-
Subtotal			6,936.3488
Total (4)			6,936.3488

Now click on Save & Run.

Give Label as:

Report Name: venue and Drop Off point

Report Unique Name: Auto Populated

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

Creation of Report on Volunteers with Execution Details and Tasks

1. Go to the app(FoodConnect) >> click on the reports tab
2. Click on Custom Reports Folder and click on New Report 3. Select Report Type : Volunteers with Execution Details and Tasks.
4. Then click on Start Report.
5. In GROUP ROWS : Volunteer ID
6. In Columns : Add Volunteer : Volunteer Name, Task : Task Name, Execution Detail : Execution Detail Name, Volunteer: Owner Name, Task: Date, Task : Rating.
7. Now click on Save & Run.
8. Give Label as :

REPORT ▾

Volunteer Task / Volunteers with Execution Details and Tasks

Fields > Outline Filters

GROUP ROWS
Add group... Q

Volunteer ID x

GROUP COLUMNS
Add group... Q

Columns
Add column... Q

Volunteer: Volunteer Name x

Task: Task Name x

Execution Detail: Execution Detail x

Volunteer: Owner Name x

Task: Date x

Task: Rating x

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

Update Preview Automatically

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)					

Row Counts Detail Rows Subtotals Grand Total

Report Name : Volunteer Task

Report Unique Name : Auto Populated

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

Creation of Report on Volunteers with Execution Details and Tasks

1. Go to the app(FoodConnect) >> click on the reports tab
2. Click on Custom Reports Folder and click on New Report 3. Select Report Type : Volunteers with Execution Details and Tasks.
4. Then click on Start Report.
5. In GROUP ROWS : Volunteer ID
6. In Columns : Add Volunteer : Volunteer Name, Task : Task Name, Execution Detail : Execution Detail Name, Volunteer: Owner Name, Task: Date, Task : Rating.
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 the Salesforce Report Builder interface. On the left, the 'Report' section includes a search bar for 'venue and Drop Off point', a checkbox for 'Use chart settings from report', and a 'Display As' section with various chart and table icons. Below that are 'Groups' and 'Columns' sections. A message at the bottom says '1. Now click on save.' On the right, the 'Preview' section shows a table titled 'venue and Drop Off point' with the following data:

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)

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

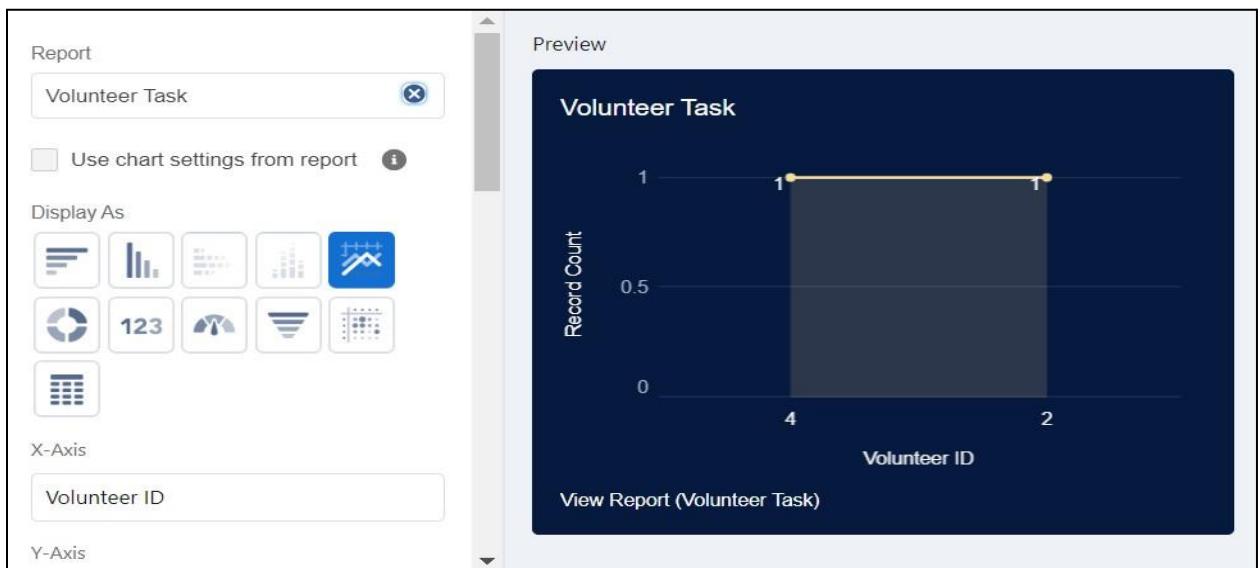
Component Theme : Select Dark (Optional)

Adding Volunteer Task Report to the Dashboard

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

Display As : Select Line Chart

Component Theme : Select Dark (Optional)



1. Now click on save.

Adding a Picture to the Dashboard (Optional)

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

1. Click on Widget and select Image. Then click on Browse Files.
 2. Then Select the Picture you want to upload in this Dashboard.
 3. Then click on Save As : Name : Task Execution Details
- Click on Select Folder and select Custom Dashboards
4. Click on Select Folder and then Save.

The screenshot shows a custom dashboard titled "Task Execution Details". At the top, there are buttons for Refresh, Edit, and Subscribe. The dashboard has two main sections:

- venue and Drop Off point**: A card showing a table of venue names and their drop-off points. The table data is as follows:

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

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

- Volunteer Task**: A card showing a scatter plot of Volunteer ID (X-axis, 4 to 2) versus Record Count (Y-axis, 0 to 1). The plot shows a single data point at (4, 1).

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

In the background, there is a photograph of a person wearing gloves and a green apron, handing a white bowl of food to another person.

Creation of sharing rules

1. Go to setup >> type Sharing Settings in quick find box >> Click on the Sharing Settings.
2. Scroll down and find Drop-Off point Sharing Rules.
3. Click on new near Drop-Off point Sharing Rules and Name it as: Label : Rule 1
Rule Name : Rule_1
4. Select your rule type : Select Based on criteria.
5. Select which records to be shared:
Field : Operator : Value = Distance : less than : 15
6. Select the users to share with : Near Share With Public Groups : Iksha
7. Click on Save.
8. Click on new near Drop-Off point Sharing Rules and Name it as: Label : Rule 2
Rule Name : Rule_2
9. Select your rule type : Select Based on criteria.
10. Select which records to be shared:
Field : Operator : Value = Distance : greater than : 15
Field : Operator : Value = Distance : less or equal : 30

11. Select the users to share with : Near Share With Public Groups : NSS
12. Click on Save.
13. Click on new near Drop-Off point Sharing Rules and Name it as: Label : Rule 3
Rule Name : Rule_3
14. Select your rule type : Select Based on criteria.
15. Select which records to be shared:
 - Field : Operator : Value = Distance : greater than : 30
 - Field : Operator : Value = Distance : less or equal : 50
16. Select the users to share with : Near Share With
Public Groups : Street Cause
17. Click on Save.

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

Creation of Home Page

1. Go to setup >> type Lightning App Builder in quick find box >> Click on the Lightning App Builder and Select the New.
2. Select Home Page and give Label as HOME Page.
3. Select Standard Home Page.
4. Near Components search for Flow and Drag and Drop in Right Side
5. On the righthand 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 Food Connect App and then Save.
9. Food Connect 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.