



To Supply Leftover Food to Poor

12-07-2024

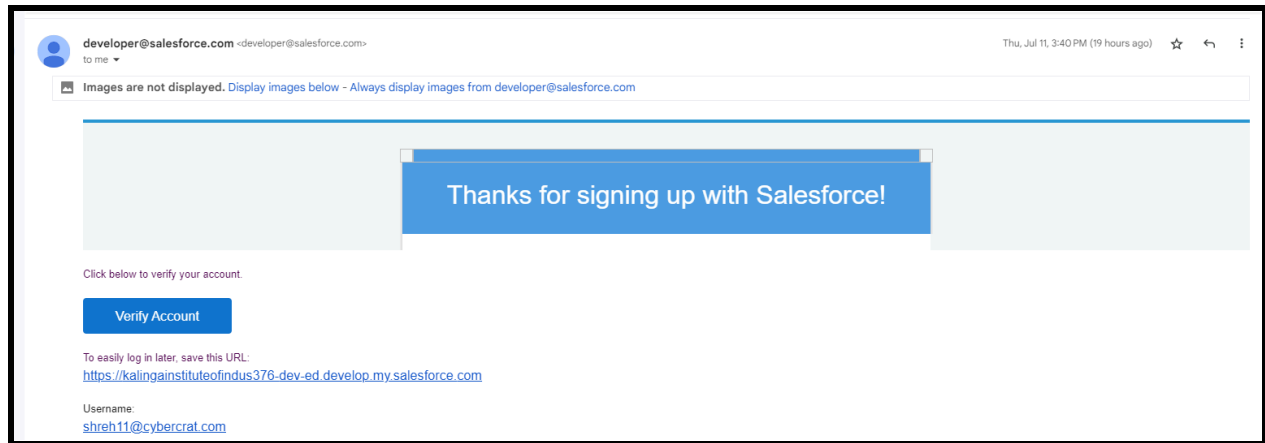
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College Name: Kalinga Institute of Industrial Technology

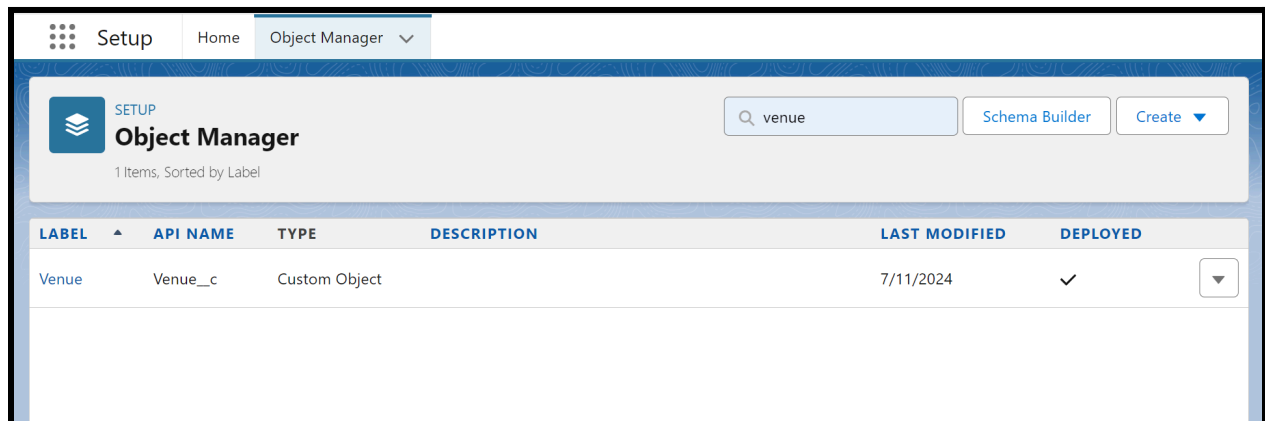
Trailhead url: <https://www.salesforce.com/trailblazer/jhl5vh1qvpdo36hlsr>

1. Salesforce Developer Account Creation

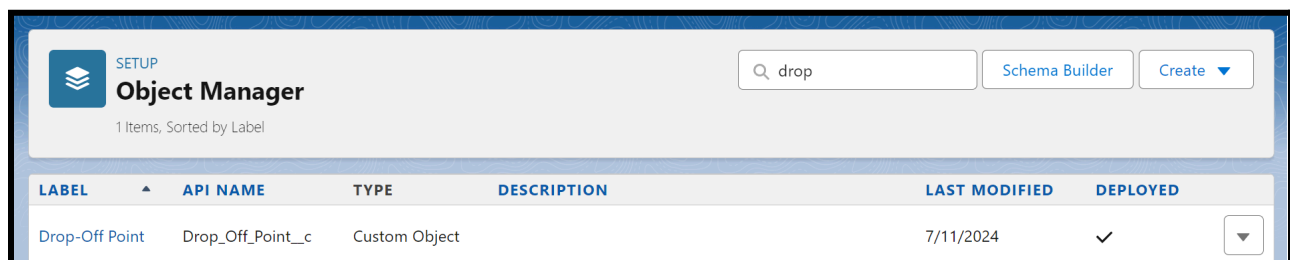


2. Object Creation

2.1 Created Venue Object



2.2 Created Drop-Off Point Object



2.3 Created Task Object

SETUP

Object Manager

2 Items, Sorted by Label

task

Schema Builder

Create

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Task	Task_c	Custom Object		7/11/2024	✓

2.4 Created Volunteer Object

SETUP

Object Manager

1 Items, Sorted by Label

volunteer

Schema Builder

Create

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Volunteer	Volunteer_c	Custom Object		7/11/2024	✓

2.5 Created Execution Details Object

SETUP

Object Manager

1 Items, Sorted by Label

execution

Schema Builder

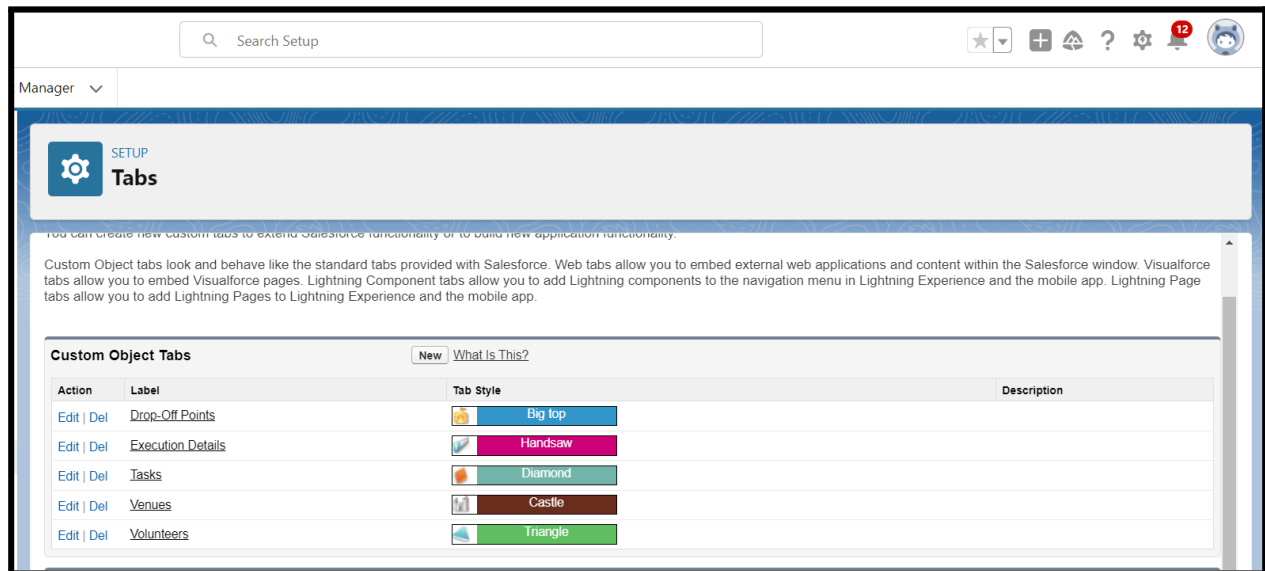
Create

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Execution Detail	Execution_Detail_c	Custom Object		7/11/2024	✓

3. Tabs

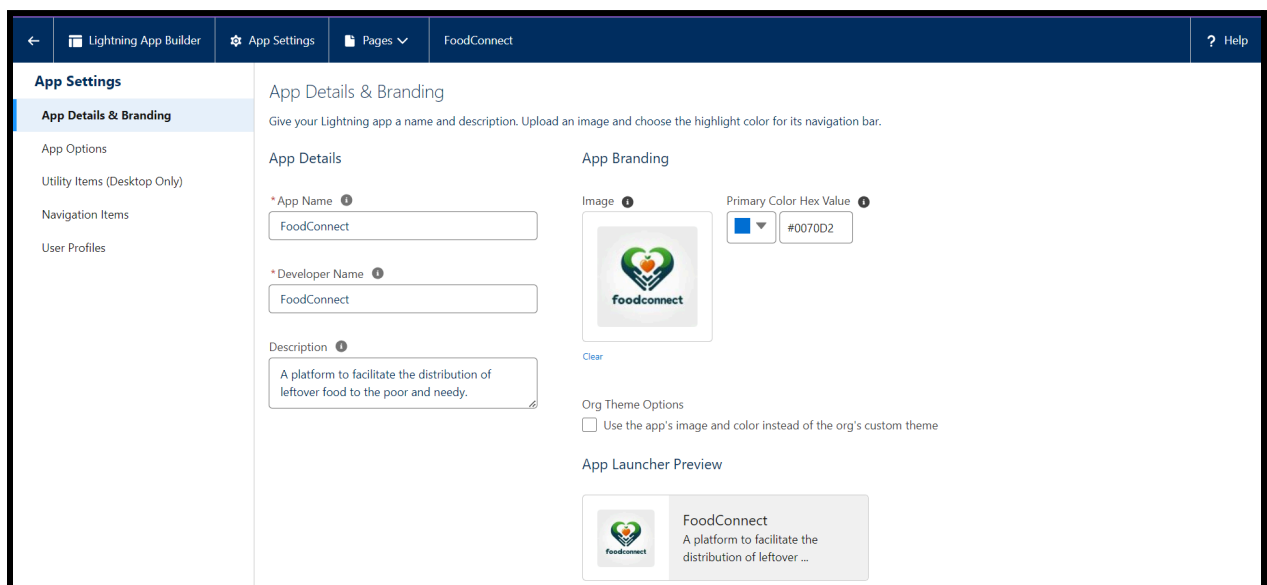
A tab is like a user interface that is used to build records for objects and to view the records in the objects.

3.1 Custom Tabs



4. The Lightning App

4.1 Created A Lightning App

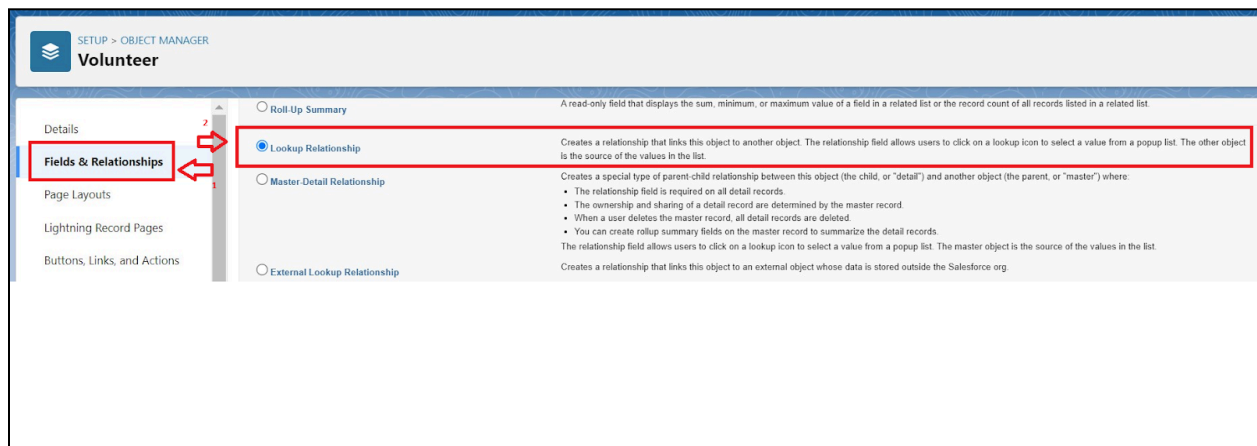


5. Fields

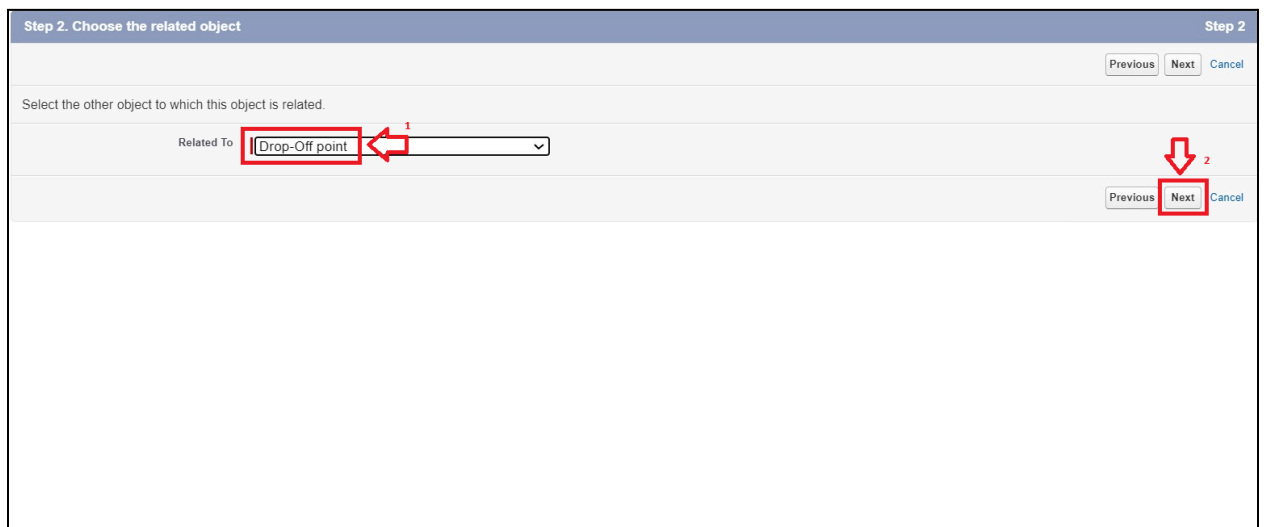
5.1 Creation of Relationship Fields in Objects

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(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.

5.2 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.

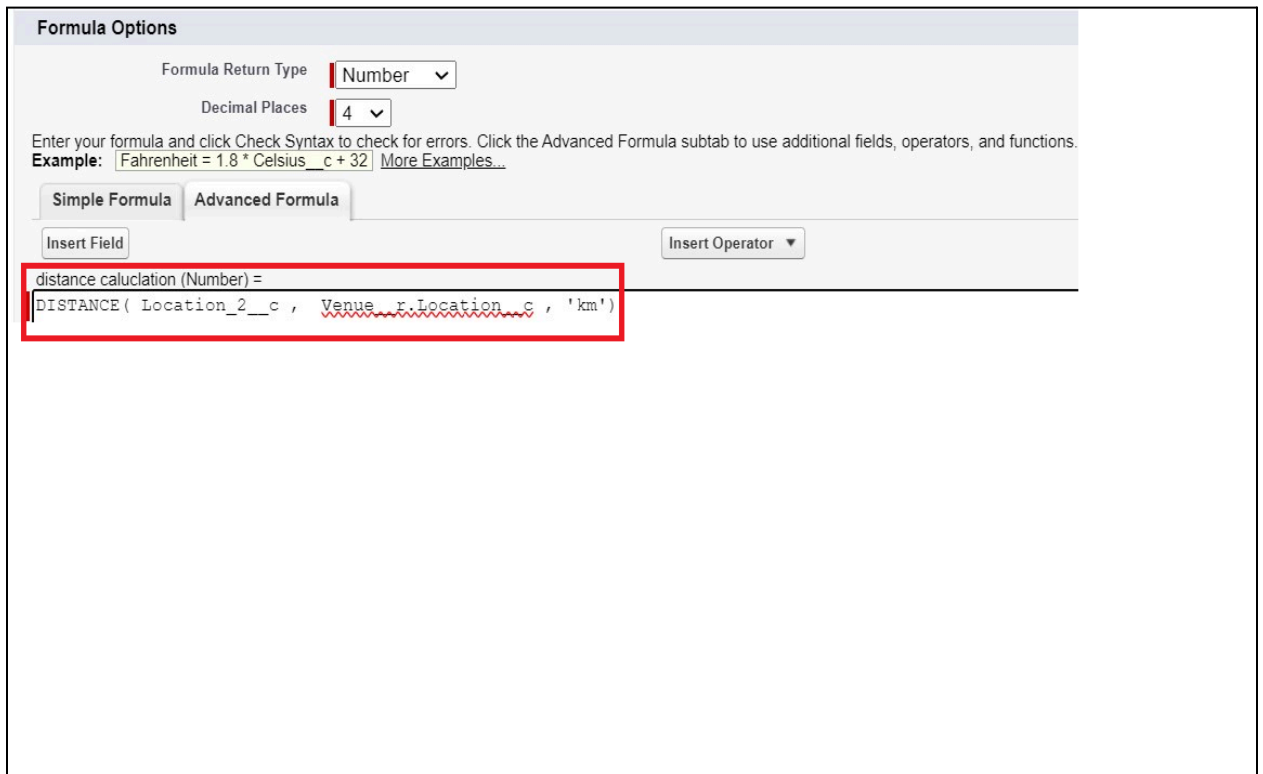
5.3 Creation Of Fields For The Drop-Off Point Object

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 “Geolocation” and Click on Next
4. Fill the Above as following:
 - Field Label : Location 2
 - Field Name : gets auto generated
 - Description : Enter the Geolocation of the Drop off Point
 - Geolocation Options : select Decimal

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

To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Formula” and Click on Next
4. Fill the Above as following:
 - Field Label : distance calculation
 - Field Name : distance_calculation
 - Formula Return Type : Number
 - Formula Options : `DISTANCE(Location_2__c , Venue__r.Location__c , 'km')`
 - Click on Next >> Next >> Save and new.



Formula Options

Formula Return Type: Number

Decimal Places: 4

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

Simple Formula **Advanced Formula**

Insert Field Insert Operator

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

To create another fields in an object:

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

- Field Label : State
- Field Name : State
- Enter values, with each value separated by a new line :

Andhra Pradesh

Arunachal Pradesh

Assam

Bihar

Chhattisgarh

Goa

Gujarat

Haryana

Himachal Pradesh

Jharkhand

Karnataka

Kerala

Maharashtra

Madhya Pradesh

Manipur

Meghalaya

Mizoram

Nagaland

Odisha

Punjab

Rajasthan

Sikkim

Tamil Nadu

Tripura

Telangana

Uttar Pradesh

Uttarakhand

West Bengal

Andaman & Nicobar (UT)

Chandigarh (UT)

Dadra & Nagar Haveli and Daman & Diu (UT)

Delhi [National Capital Territory (NCT)]

Jammu & Kashmir (UT)

Ladakh (UT)

Lakshadweep (UT)

Puducherry (UT)

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

To create another fields in an object:

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

5.4 Creation Of Fields For The Task Object

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

2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Auto Number” and Click on Next
4. Fill the Above as following:
 - Field Label : Task ID
 - Display Format : TASK-{0}
 - Starting Number : 1
 - Field Name : gets auto generated
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Date” and Click on Next

4. Fill the Above as following:
 - Field Label : Date
 - Field Name : Date
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

5. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New
7. Select Data type as a “Picklist (Multi-Select)” and Click on Next
8. Fill the Above as following:
 - Field Label : Food Category
 - Field Name : Food Category
 - Enter values, with each value separated by a new line :
Veg
Non-Veg
Salad
Snack
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

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

To create another fields in an object:

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

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

To create another fields in an object:

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

To create another fields in an object:

21. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
22. Now click on “Fields & Relationships” >> New
23. Select Data type as a “Pick List” and Click on Next
24. Fill the Above as following:
 - Field Label : Rating
 - Field Name : Rating
 - Enter values, with each value separated by a new line :
 - 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.

5.5 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.

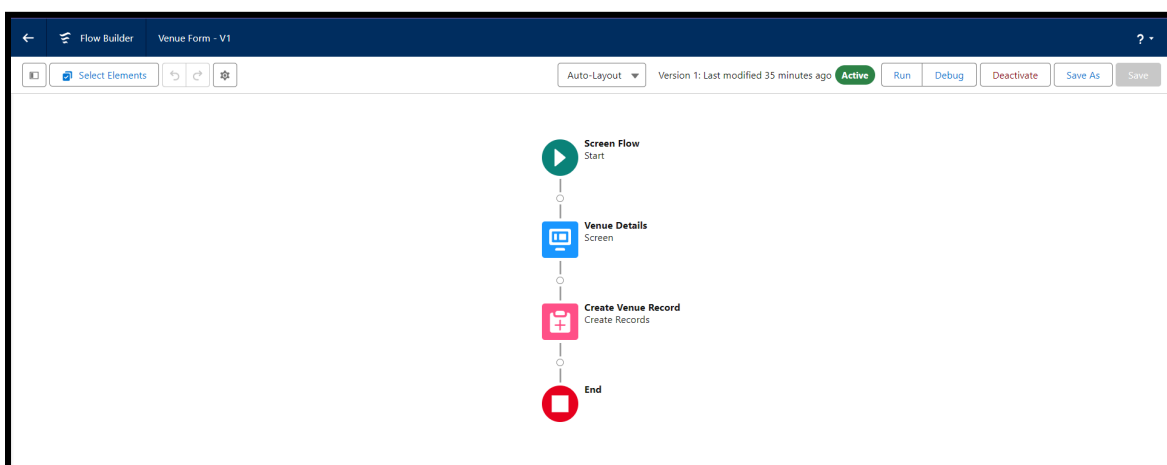
To create another fields in an object:

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.

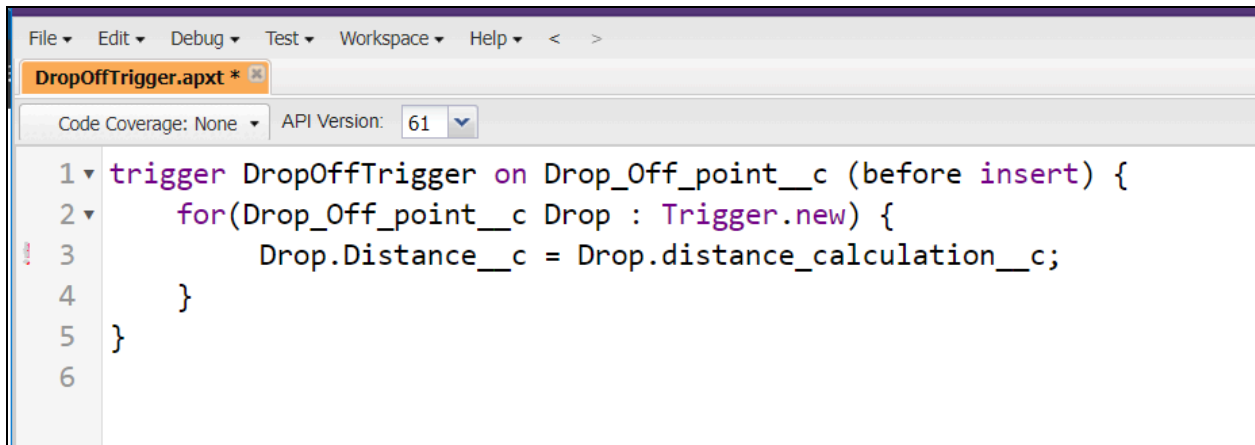
5.6 Creation Of Fields For The Execution Details Object

- 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.

6. Flows

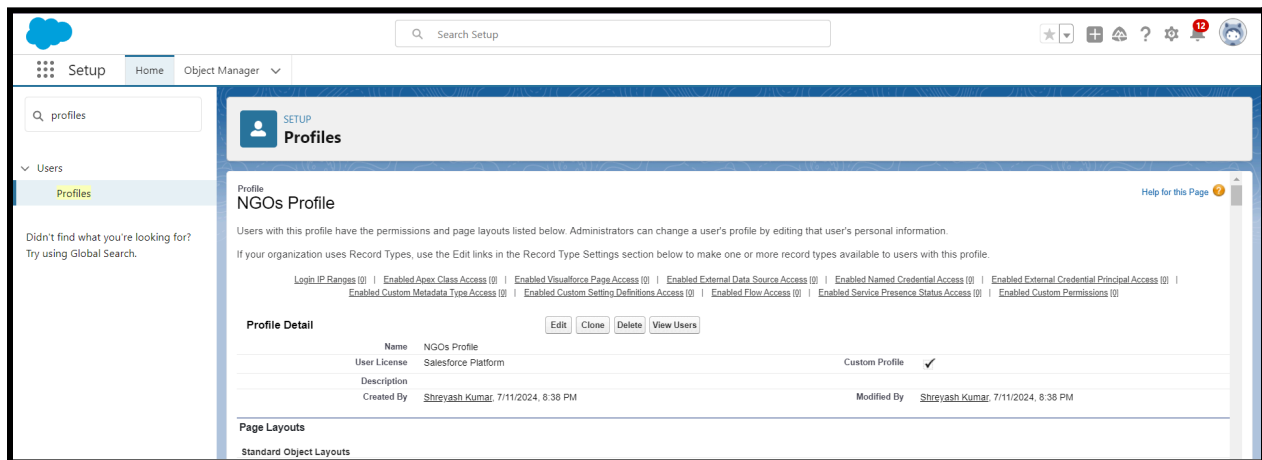


7. Trigger



```
File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >
DropOffTrigger.apxt *
Code Coverage: None API Version: 61
1 trigger DropOffTrigger on Drop_Off_point__c (before insert) {
2     for(Drop_Off_point__c Drop : Trigger.new) {
3         Drop.Distance__c = Drop.distance_calculation__c;
4     }
5 }
6
```

8. Profiles



Setup Home Object Manager ▾

profiles

Users

Profiles

Didn't find what you're looking for?
Try using Global Search.

Profiles

Profile: NGOs Profile

Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information.

If your organization uses Record Types, use the Edit links in the Record Type Settings section below to make one or more record types available to users with this profile.

Log In IP Ranges (0) | Enabled Apex Class Access (0) | Enabled Visualforce Page Access (0) | Enabled External Data Source Access (0) | Enabled Named Credential Access (0) | Enabled External Credential Principal Access (0) | Enabled Custom Metadata Type Access (0) | Enabled Custom Setting Definitions Access (0) | Enabled Flow Access (0) | Enabled Service Presence Status Access (0) | Enabled Custom Permissions (0)

Profile Detail

Name	NGOs Profile	Custom Profile	✓
User License	Salesforce Platform		
Description			
Created By	Shreyash Kumar: 7/11/2024, 8:38 PM	Modified By	Shreyash Kumar: 7/11/2024, 8:38 PM

Page Layouts

Standard Object Layouts

9. Creation of Users

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z						
New User Reset Password(s) Add Multiple Users						
Action	Full Name ↑	Alias	Username	Role	Active	Profile
Edit	Chatter Expert	Chatter	chatty.00dak000009xtmd ea4.glmymnpg1ws@chatter.salesforce.com		✓	Chatter Free User
Edit	Iksha_Foundation_Iksha Foundation	iksh	iksh@awwred061224.com		✓	NGOs Profile
Edit	Kharge_Manish	mkhar	mkhar@kiit.ac.in		✓	NGOs Profile
Edit	Kumar_Shreyash	SKuma	shreh11@cybercrat.com		✓	System Administrator
Edit	Sinha_Purav	psinh	psinh21051766@kiit.ac.in		✓	NGOs Profile
Edit	User_Integration	integ	integration@00dak000009xtmd ea4.com		✓	Analytics Cloud Integration User
Edit	User_Security	sec	insightssecurity@00dak000009xtmd ea4.com		✓	Analytics Cloud Security User
New User Reset Password(s) Add Multiple Users						

10. Public Groups

SETUP Public Groups				
Public Groups				
A public group is a set of users. It can contain individual users, other groups, the users in a particular role or territory, or the users in a role or territory plus all of the users below that role or territory in the hierarchy.				
View: All Edit Create New View				
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All				
New				
Action	Label ↑	Group Name	Created By	Created Date
Edit Del	Iksha	Iksha	Kumar_Shreyash	7/11/2024, 11:40 PM
Edit Del	manish	manish	Kumar_Shreyash	7/11/2024, 11:41 PM
Edit Del	purav	purav	Kumar_Shreyash	7/11/2024, 11:42 PM

11. Report Types

SETUP

Report Types

Report Type Focus

Specify what type of records (rows) will be the focus of reports generated by this report type.

Example: If reporting on "Contacts with Opportunities with Partners," select "Contacts" as the primary object.

Primary Object Venues

Identification

Report Type Label Venue with DropOff with Volunteer

Report Type Name Venue_with_DropOff_with_Volunteer

Description Venue with Drop-Off with Volunteer

Store in Category Other Reports

Deployment

A report type with deployed status is available for use in the report wizard. While in development, report types are visible only to authorized administrators and their delegates.

Deployment Status ☐ In Development ☒ Deployed

New Custom Report Type

Venue with DropOff with Volunteer

Help for this Page

Step 2. Define Report Records Set

Step 2 of 2

Previous Save Cancel

This report type will generate reports about Venues. You may define which related records from other objects are returned in report results by choosing a relationship to another object.

A Venues
Primary Object

B Drop-Off Points
A to B Relationship:
☐ Each "A" record must have at least one related "B" record.
☒ "A" records may or may not have related "B" records.

C Volunteers
B to C Relationship:
"B" records may or may not have related "C" records.

A	B	C
■	■	■
■	■	■
■	■	■
■	■	■
■	■	■
■	■	■
■	■	■
■	■	■
■	■	■
■	■	■

(Click to relate another object)

Custom Report Type

Venue with DropOff with Volunteer

Help for this Page

Below is the information for this custom report type. You can click the buttons on this page to preview or update information for the custom report type.

Custom Report Type Definition

Edit Delete Clone

Report Type Label	Venue with DropOff with Volunteer	Report Type Category	Other Reports
Report Type Name	Venue_with_DropOff_with_Volunteer	Deployment Status	Deployed
Description	Venue with Drop-Off with Volunteer		
Created By	Shreyash Kumar, 7/12/2024, 12:09 AM	Modified By	Shreyash Kumar, 7/12/2024, 12:09 AM

12. Report

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

REPORT

Volunteer Task

Volunteers with Execution Details and Tasks

Add Chart

Save & Run

Save

Close

Run

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)						

Row Counts

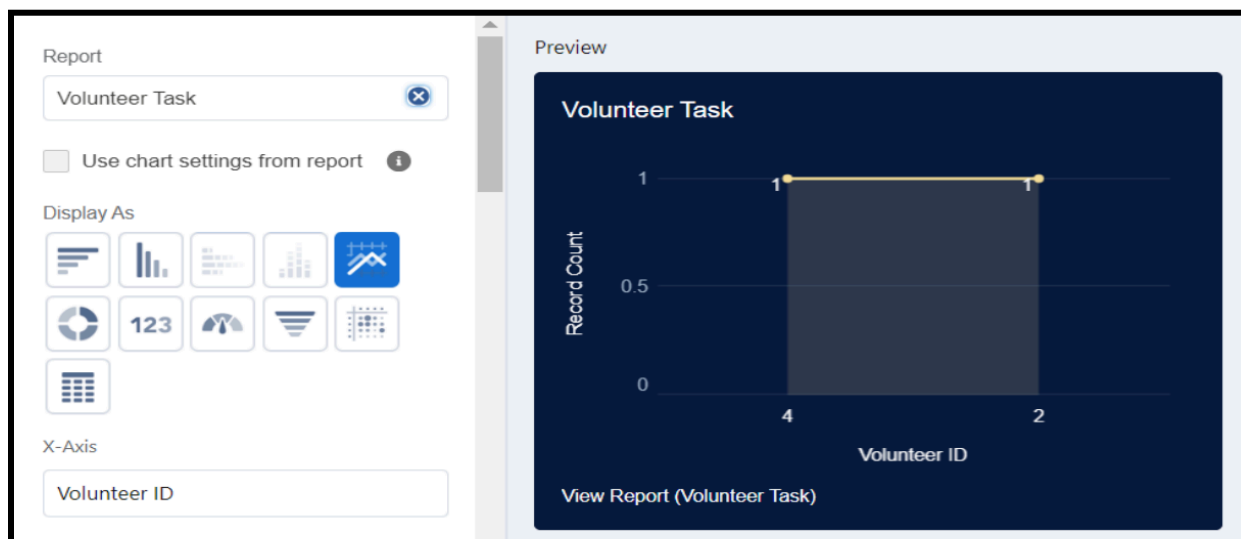
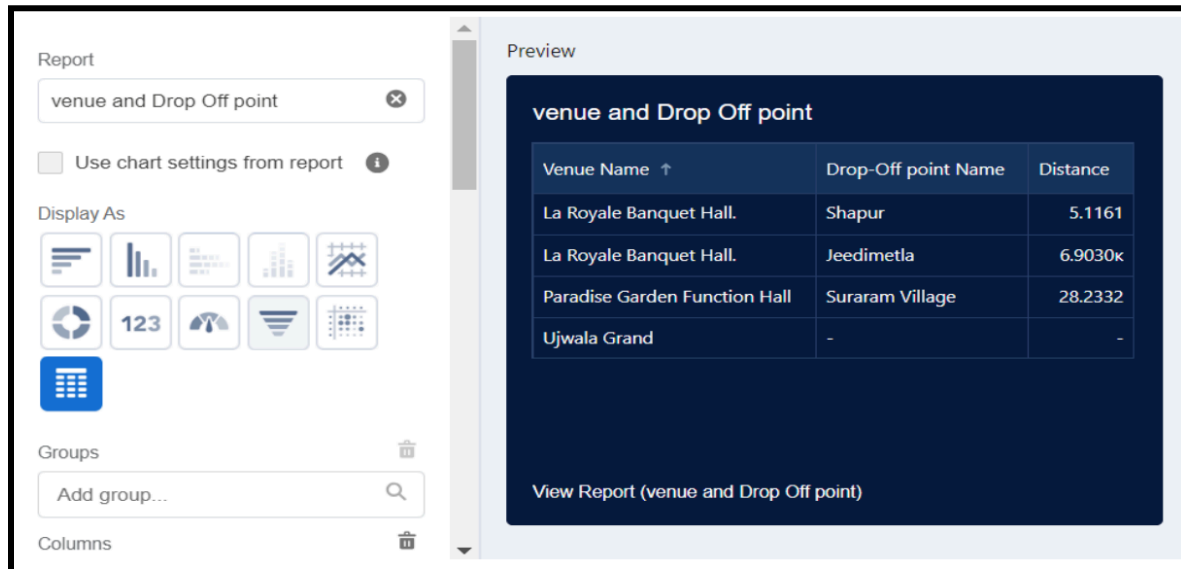
Detail Rows

Subtotals

Grand Total

13. Dashboards

13.1 Adding Venue and Drop Off Point Report to The Dashboard



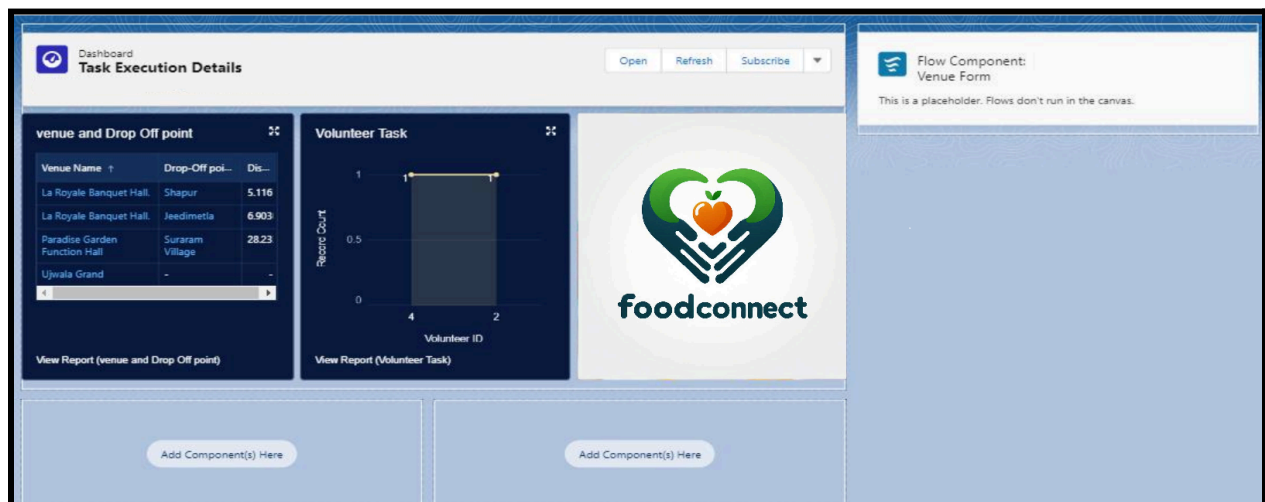
14. Sharing Rules

14.1 Creation Of Sharing Rules

Drop-Off Point Sharing Rules		New	Recalculate	Drop-Off Point Sharing Rules Help ?	
Action	Criteria	Shared With		Access Level	
Edit Del	Drop-Off Point: State EQUALS Odisha	Group: <u>Iskha</u>		Read/Write	
Edit Del	Drop-Off Point: State EQUALS Odisha) AND (Drop-Off Point: State EQUALS Bihar)	Group: <u>manish</u>		Read/Write	
Edit Del	(Drop-Off Point: State EQUALS Odisha) AND (Drop-Off Point: State EQUALS Bihar) AND (Drop-Off Point: State EQUALS Jharkhand)	Group: <u>ruvi</u>		Read/Write	

15. Home Page

15.1 Creation of Home Page



The screenshot displays the FoodConnect dashboard interface. At the top, a navigation bar includes links for Home, Venues, Tasks, Drop-Off points, Execution Details, Volunteers, Reports, and Dashboards. The main content area is divided into three sections:

- Task Execution Details:** A section with a 'Dashboard' tab and buttons for 'Open', 'Refresh', and 'Subscribe'. It contains a table titled 'venue and Drop Off point' with columns for Venue Name, Drop-Off point, and Distance. The table lists four venues: La Royale Banquet Hall (Shapur, 5.116), La Royale Banquet Hall (Jeedimetla, 6.903), Paradise Garden Function Hall (Suraram Village, 28.23), and Ujwala Grand (-, -).
- Volunteer Task:** A section featuring a bar chart titled 'Volunteer Task' showing the 'Record Count' (Y-axis, 0 to 1) for 'Volunteer ID' (X-axis, 4 to 2). The chart shows a single bar with a value of 1. Below the chart is a 'View Report (Volunteer Task)' link.
- Venue Form:** A form titled 'Venue Form' with input fields for 'Venue Name', 'Email', 'Phone', and 'Venue Location'. A 'Next' button is located at the bottom right of the form.

The FoodConnect logo, featuring a heart shape formed by two hands holding an apple, is prominently displayed in the center of the dashboard.

16. 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.