



MAILAM
Engineering College



TO SUPPLY LEFTOVER FOOD TO POOR

A PROJECT REPORT

Submitted by

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Of

BACHELOR OF TECHNOLOGY

in

INFORMATION TECHNOLOGY

MAILAM ENGINEERING COLLEGE, MAILAM

ANNA UNIVERSITY :: CHENNAI 60025



MAILAM Engineering College

MAILAM (PO), Villupuram (Dt). Pin: 604 304

(Approved by AICTE, New Delhi, affiliated to Anna University Chennai, accredited by NAAC with "A" Grade & A TATA Consultancy Services Accredited Institution)

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_____ during the academic year _____

SIGNATURE

SIGNATURE

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INTERNAL EXAMINER

EXTERNAL EXAMINER

PROJECT DESCRIPTION:

The primary goal is to develop a Salesforce-powered platform that facilitates the collection, matching, and distribution of leftover food from restaurants, households, and events to underprivileged communities, ensuring a sustainable and impactful solution to food wastage and hunger.

Key Features

1. Donor Management: Easy registration for restaurants, event organizers, and households to contribute surplus food.
2. Beneficiary Database: Profiles NGOs, shelters, and individuals to match donations based on location and need.
3. Food Donation Requests: Donors can log surplus food details, with prioritization for perishable items.
4. Volunteer Coordination: Task assignment and routing for pick-up and delivery using Salesforce Maps.
5. Real-Time Notifications: Alerts for donors, volunteers, and beneficiaries for timely updates.
6. Data Insights: Analytics dashboards to monitor food distribution progress and measure environmental and social impact.

PROJECT ABSTRACT:

A considerable amount of food is discarded in canteens every day. This waste has created a countermovement, where groups of mainly students purposefully choose to eat other consumers plate leftovers instead of buying fresh meals. This phenomenon highlights two opposing narratives: leftovers as food waste versus leftovers as edible food resources. Using a thematic analysis, we investigated 1579 comments from German news sites and their corresponding Facebook sites related to this countermovement. Thereby, we aim to better understand what consumers associate with the consumption of other consumers' plate leftovers. Our study demonstrates that the consumption of plate leftovers is shaped by the regulatory, normative, and cultural-cognitive system. Furthermore associations with the consumption of plate leftovers depend on whether this food decision is perceived as a collective or individual consumer decision. From a consumer movement perspective, food leftover consumption is associated with a sense of community and food waste reduction for idealistic or environmental and social reasons. From an individual consumer behavior perspective, food leftover consumption is associated with satisfying hunger but considered a threat to health and social order.

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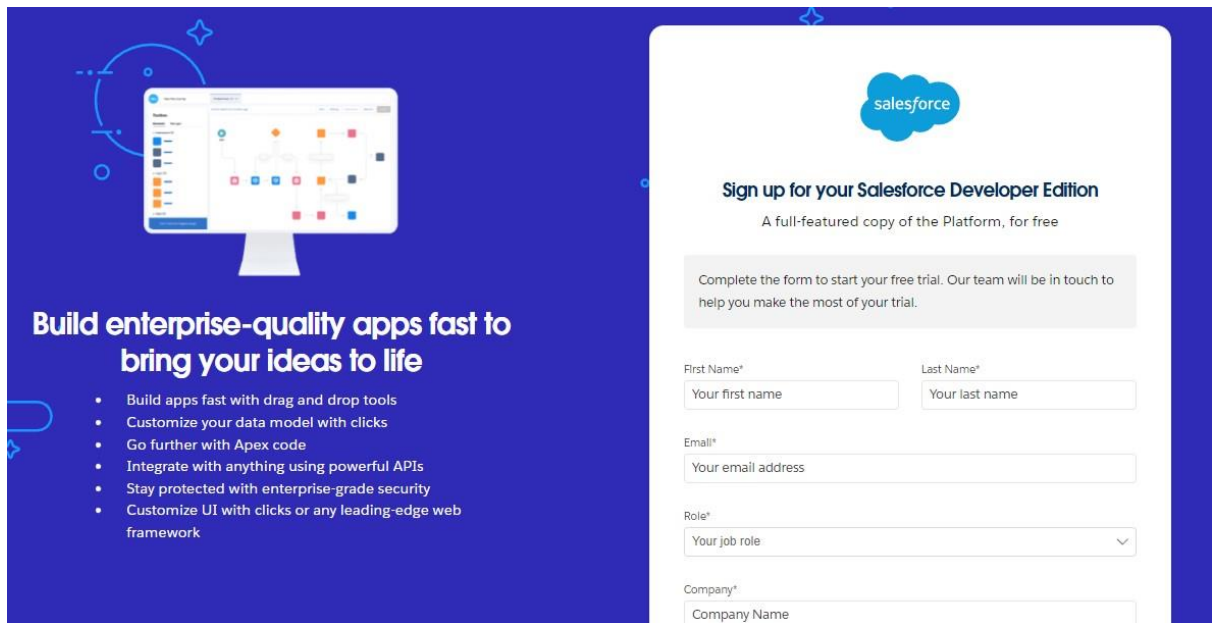
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TASK 1-SALESFORCE DEVELOPER ACCOUNT CREATION:

Subtask 1.1: 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:



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

- Build apps fast with drag and drop tools
- Customize your data model with clicks
- Go further with Apex code
- Integrate with anything using powerful APIs
- Stay protected with enterprise-grade security
- Customize UI with clicks or any leading-edge web framework

Sign up for your Salesforce Developer Edition
A full-featured copy of the Platform, for free

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

First Name*
Your first name

Last Name*
Your last name

Email*
Your email address

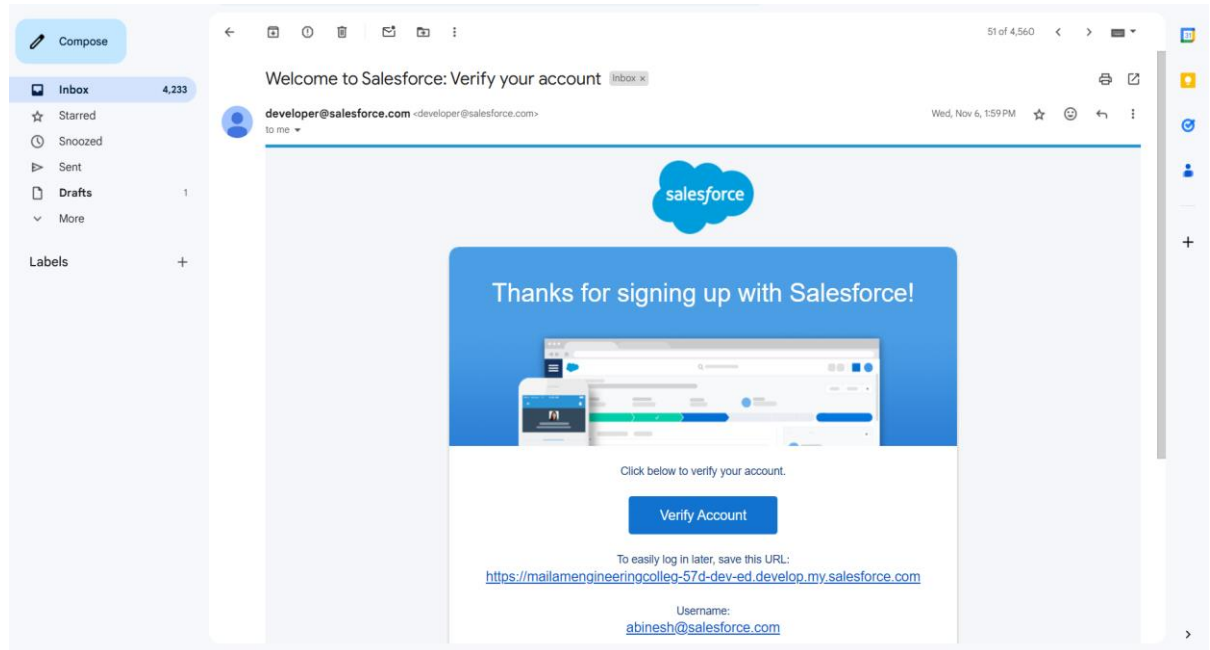
Role*
Your job role

Company*
Company Name

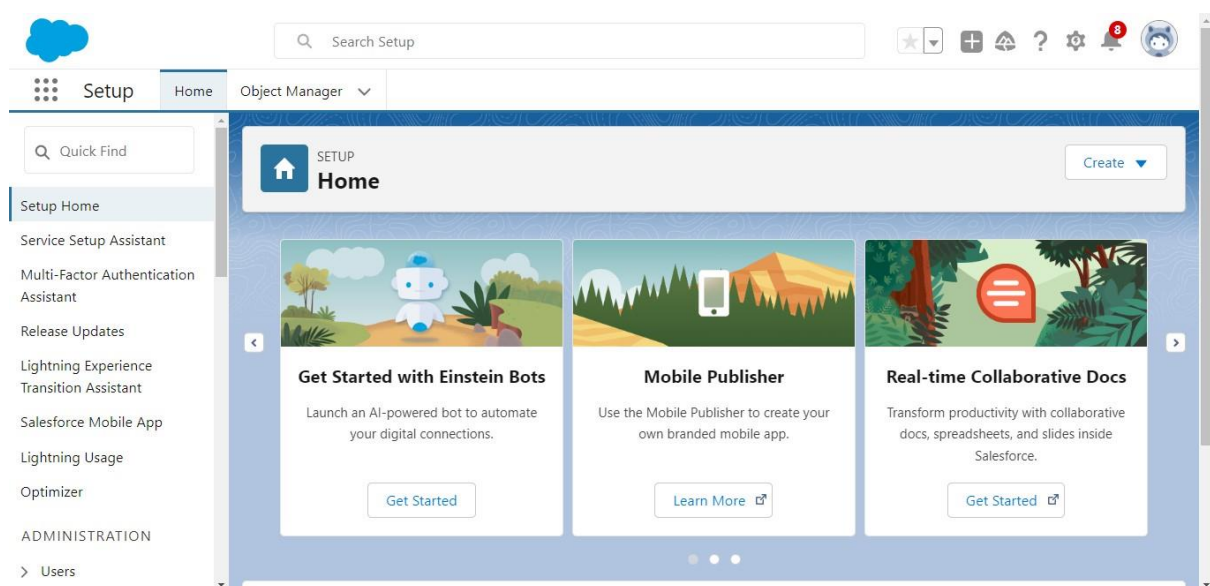
- 1) First name & Last name
 - 2) Email
 - 3) Role: Developer
 - 4) Company: College or Company Name
 - 5) Country: India
 - 6) Postal Code: pin code
 - 7) Username: should be a combination of your name and company This need not be an actual email id, you can give anything in the format: username@organization.com
- Click on sign me up after filling these.

Subtask 1.2: 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.



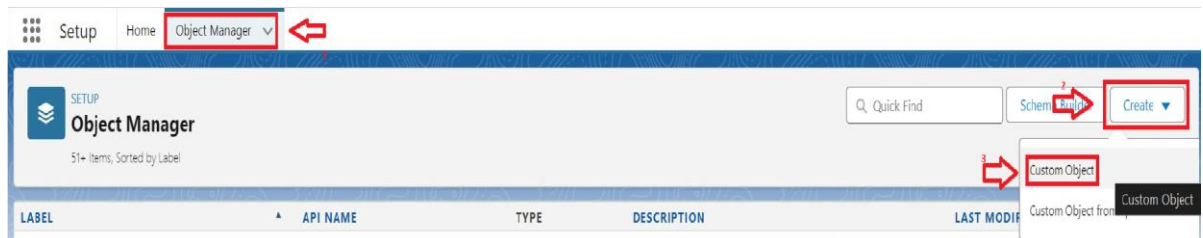
1. Click on Verify Account
2. Give a password and answer a security question and click on change password.
3. Give a password and answer a security question and click on change password.
4. Then you will redirect to your salesforce setup page.



TASK 2- OBJECT

To create an object:

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



2. On Custom object defining page:
3. Enter the label name, plural label name, click on Allow reports, Allow search.

This screenshot shows the 'New Custom Object' page in Salesforce Setup. The page is titled 'New Custom Object' and has a 'Custom Object Definition Edit' header. The 'Custom Object Information' section contains fields for 'Label' (Example: Account), 'Plural Label' (Example: Accounts), and 'Object Name' (Example: Account). The 'Label' and 'Plural Label' fields are highlighted with red boxes and arrows. The 'Object Name' field is also highlighted with a red box and an arrow. The 'Optional Features' section has checkboxes for 'Allow Reports', 'Allow Activities', and 'Track Field History'. The 'Allow Reports' checkbox is highlighted with a red box and an arrow. The 'Object Classification' section has checkboxes for 'Allow Sharing', 'Allow Bulk API Access', and 'Allow Streaming API Access'. The 'Deployment Status' section has radio buttons for 'In Development' and 'Deployed'. The 'Search Status' section has a checkbox for 'Allow Search', which is highlighted with a red box and an arrow. The 'Object Creation Options' section has checkboxes for 'Add Notes and Attachments related list to default page layout' and 'Launch New Custom Tab Wizard after saving this custom object'. The 'Save' button is highlighted with a red box and an arrow.

4. Click on Save.

Subtask 2.1: 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**.

Subtask 2.2: Create Drop-Off Point

Object To create an object:

4. From the setup page → Click on Object Manager → Click on Create → Click on Custom Object.
 - 4) Enter the label name→ Drop-Off Point
 - 5) Plural label name→ Drop-Off Points
 - 6) Enter Record Name Label and Format
 - Record Name → Drop-Off point Name
 - Data Type → Text
5. Click on Allow reports and Track Field History, Allow Activities
6. Allow search → **Save**.

Subtask 2.3: Create Task

Object To create an object:

7. From the setup page → Click on Object Manager → Click on Create → Click on Custom Object.
 - 7) Enter the label name→ Task
 - 8) Plural label name→ Tasks
 - 9) Enter Record Name Label and Format
 - Record Name → Task Name
 - Data Type → Text

8. Click on Allow reports and Track Field History, Allow Activities

9. Allow search → **Save.**

Subtask 2.4: Create Volunteer

Object To create an object:

10. From the setup page → Click on Object Manager → Click on Create → Click on Custom Object.

10) Enter the label name → Volunteer

11) Plural label name → Volunteers

12) Enter Record Name Label and Format

- Record Name → Volunteer Name
- Data Type → Text

11. Click on Allow reports and Track Field History, Allow Activities

12. Allow search → **Save.**

Subtask 2.5: Create Execution Details

Object To create an object:

13. From the setup page → Click on Object Manager → Click on Create → Click on Custom Object.

13) Enter the label name → Execution Detail

14) Plural label name → Execution Details

15) Enter Record Name Label and Format

- Record Name → Execution Detail Name
- Data Type → Text

14. Click on Allow reports and Track Field History, Allow Activities

15. Allow search → **Save.**

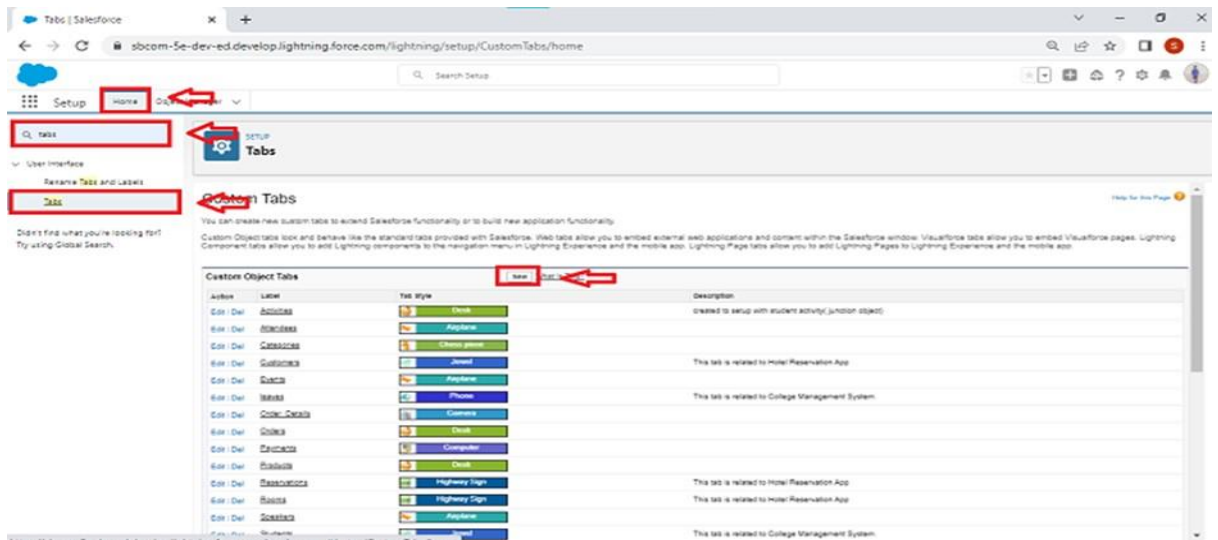
TASK 3- TABS

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.

Subtask 3.1: 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

Subtask 3.2: Creating Remaining Tabs

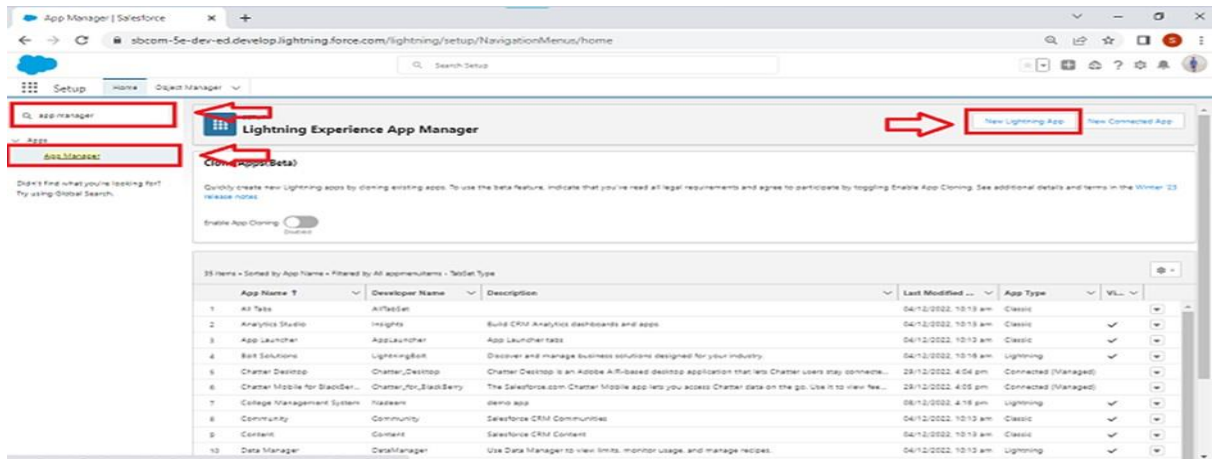
1. Now create the Tabs for the remaining Objects, they are “Drop-Off Point, Task, Volunteer, Execution Details”.
2. Follow the same steps as mentioned in Activity -1.

TASK 4: THE LIGHTNING APP

Subtask 4.1: 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

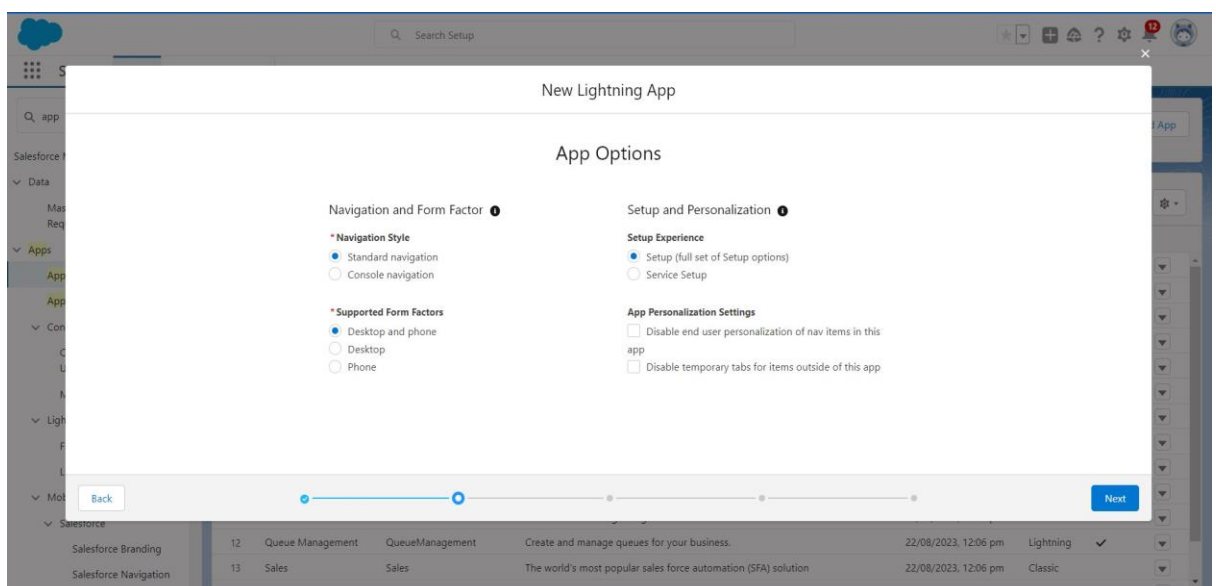
App Name: FoodConnect

Developer Name: This will auto be populated

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

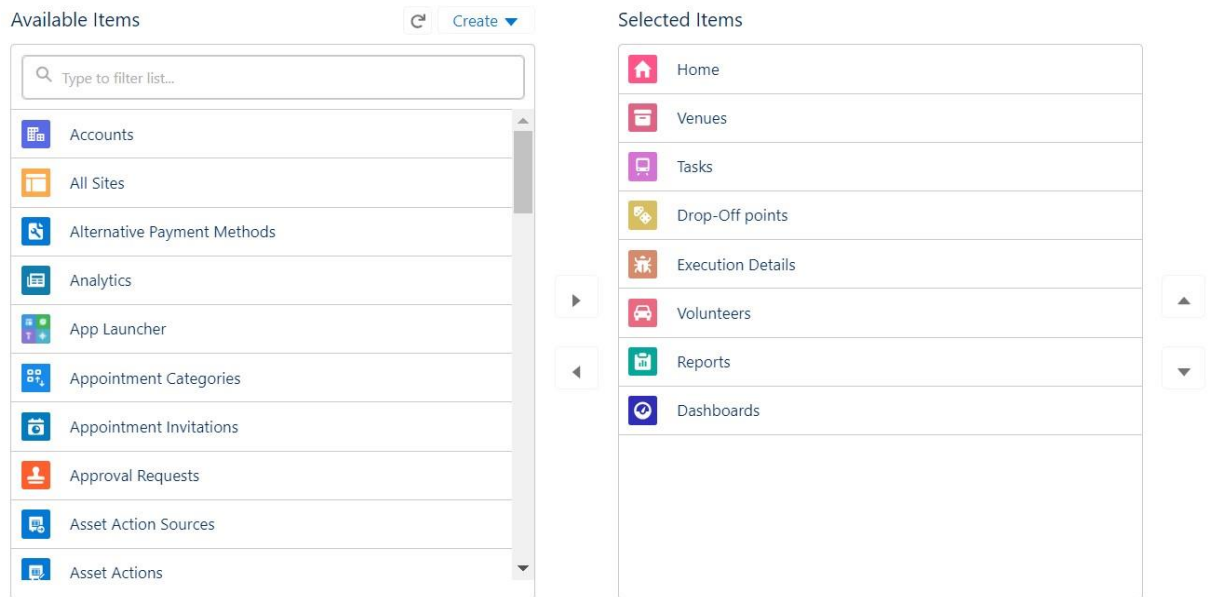
Primary color hex value: keep this default.

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



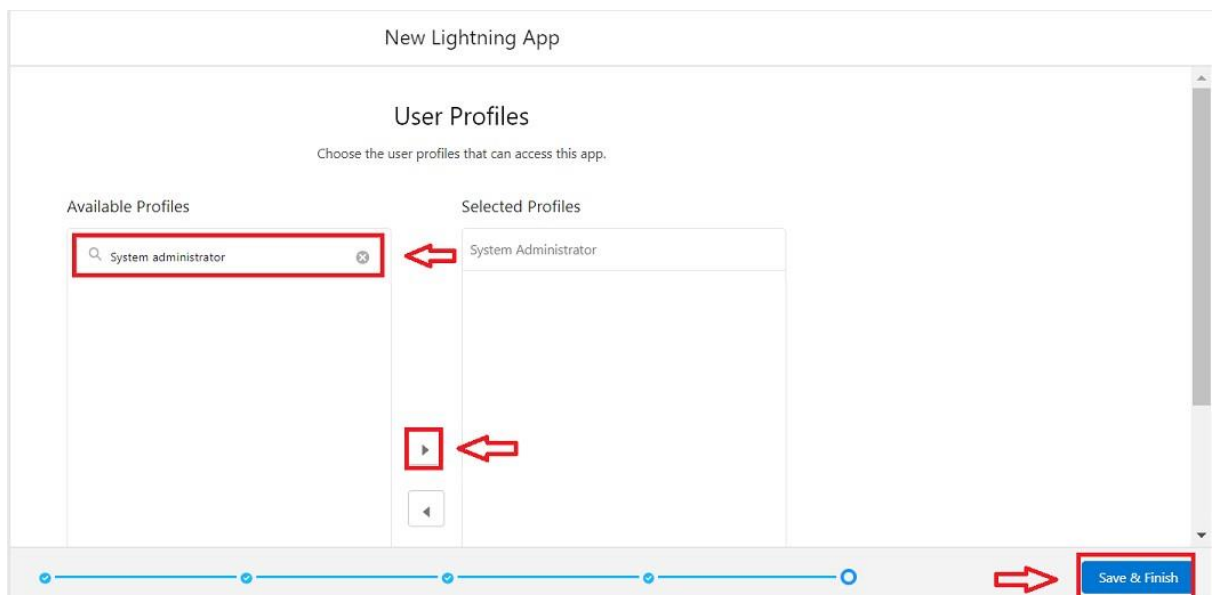
4. (Utility Items) keep it as default → Next.

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:



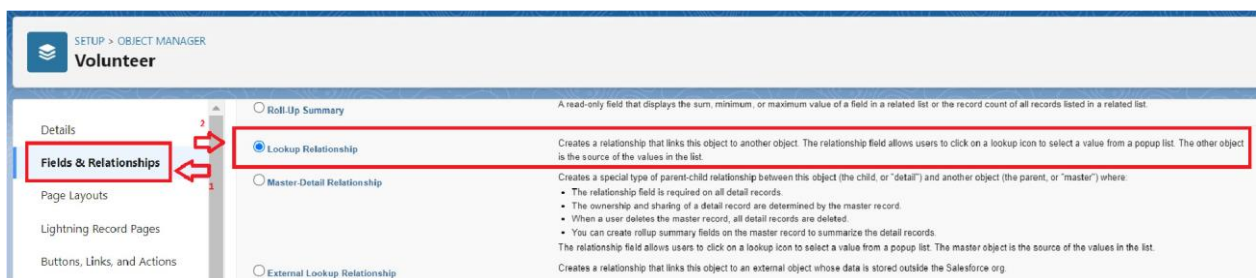
Search profiles (System administrator) in the search bar → click on the arrow button → save & finish.

TASK 5: FIELDS

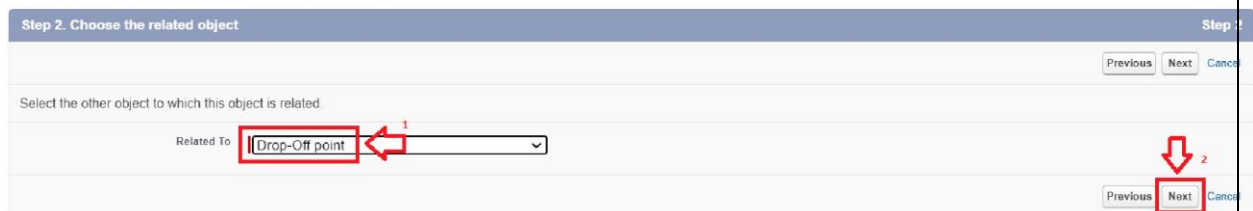
Subtask 5.1: Creation of Relationship fields in objects

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 Lookup 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 “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.

Subtask 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.

Subtask 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:

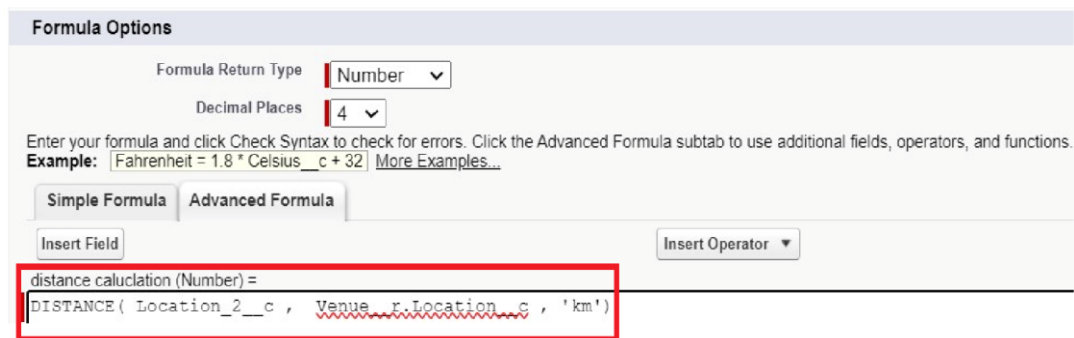
13. Go to setup → click on Object Manager → type object name(Drop-Off point) in search bar → click on the object.

14. Now click on “Fields & Relationships” → New

15. Select Data type as a “Formula” and Click on Next

16. 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:

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

18. Now click on “Fields & Relationships” → New

19. Select Data type as a “Picklist” and Click on Next

20. Fill the Above as following:

- Field Label : State

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

Andhra Pradesh	Punjab
Arunachal Pradesh	Rajasthan
Assam	Sikkim
Bihar	Tamil Nadu
Chhattisgarh	Tripura
Goa	Telangana
Gujarat	Uttar Pradesh
Haryana	Uttarakhand
Himachal Pradesh	West Bengal
Jharkhand	Andaman & Nicobar (UT)
Karnataka	Chandigarh (UT)
Kerala	Dadra & Nagar Haveli and Daman & Diu (UT)
Maharashtra	Delhi [National Capital Territory (NCT)]
Madhya Pradesh	Jammu & Kashmir (UT)
Manipur	Ladakh (UT)
Meghalaya	Lakshadweep (UT)
Mizoram	Puducherry (UT)
Nagaland	
Odisha	

- 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(Task) in search bar → click on the object.
22. Now click on “Fields & Relationships” → New
23. Select Data type as a “Number” and Click on Next
24. 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.

Subtask 5.4: 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:

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 “Date” and Click on Next

28. 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:

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

30. Now click on “Fields & Relationships” → New

31. Select Data type as a “Picklist (Multi-Select)” and Click on Next

32. 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:

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

34. Now click on “Fields & Relationships” → New
35. Select Data type as a “Number” and Click on Next
36. 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:

37. Go to setup → click on Object Manager → type object name(Task) in search bar → click on the object.
38. Now click on “Fields & Relationships” → New
39. Select Data type as a “Text” and Click on Next
40. Fill the Above as following:
- Field Label : Name of the Person
 - Length : 255
 - Field Name : Name_of_the_Person
 - Click on Next → Next → Save and new.

To create another fields in an object:

41. Go to setup → click on Object Manager → type object name(Task) in search bar → click on the object.
42. Now click on “Fields & Relationships” → New
43. Select Data type as a “Phone” and Click on Next
44. 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:

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

46. Now click on “Fields & Relationships” → New

47. Select Data type as a “Pick List” and Click on Next

48. 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:

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

50. Now click on “Fields & Relationships” → New

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

52. Fill the Above as following:

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

Subtask 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
- Starting number : 1

- 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:

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

54. Now click on “Fields & Relationships” → New

55. Select Data type as a “Picklist” and Click on Next

56. 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:

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

58. Now click on “Fields & Relationships” → New

59. Select Data type as a “Date” and Click on Next

60. 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:

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

62. Now click on “Fields & Relationships” → New

63. Select Data type as a “Number” and Click on Next

64. 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:

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

66. Now click on “Fields & Relationships” → New

67. Select Data type as a “Email” and Click on Next

68. 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:

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

70. Now click on “Fields & Relationships” → New

71. Select Data type as a “Number” and Click on Next

72. 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:

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

74. Now click on “Fields & Relationships” → New
75. Select Data type as a “Text Area (Long)” and Click on Next
76. 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:

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

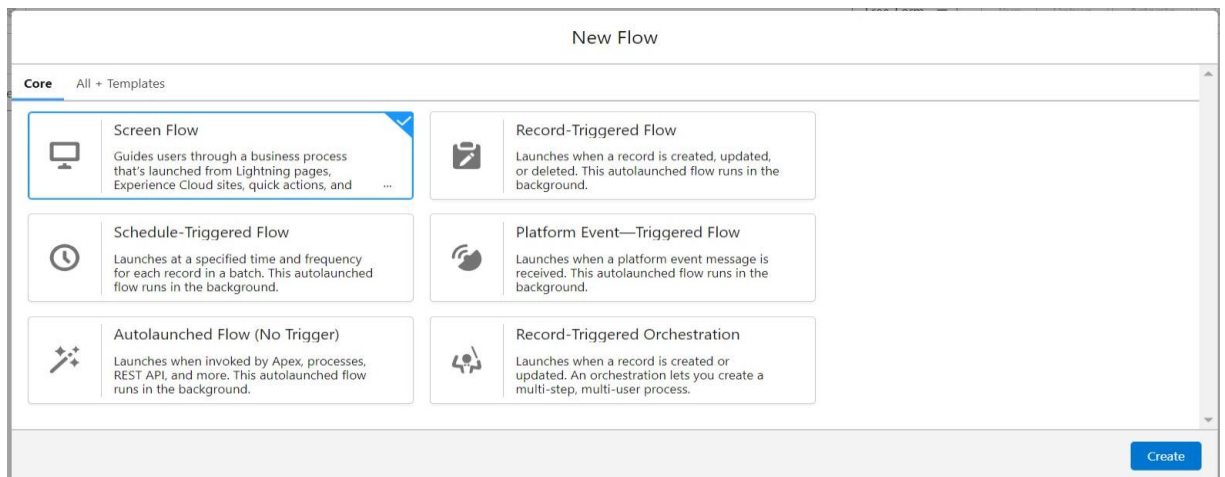
Subtask 5.6: Creation of fields for the Execution Details object

- 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
 - Starting Number : 1
 - Click on required check box
 - Click on Next → Next → Save and new.

TASK 6 : FLOWS

Subtask 6.1 : 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 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} : value

Field : Value = Contact_Phone__c : {!Contact_Phone.value} : value

Field : Value = Name : {!Venue_Name}

Field : Value = Venue_Location__c : {!location}

Field : Value = Location__Latitude__s : {!latitude}

Field : Value = Location__Longitude__s :
{!longitude}

14. This would look like:

Create a Record of This Object

* Object
Venue

Set Field Values for the Venue

Field	Value
Contact_Email__c	{!Contact_Email.value}
Contact_Phone__c	{!Contact_Phone.value}
Name	{!Venue_Name}
Venue_Location__c	{!location}

15. Click on Save as:

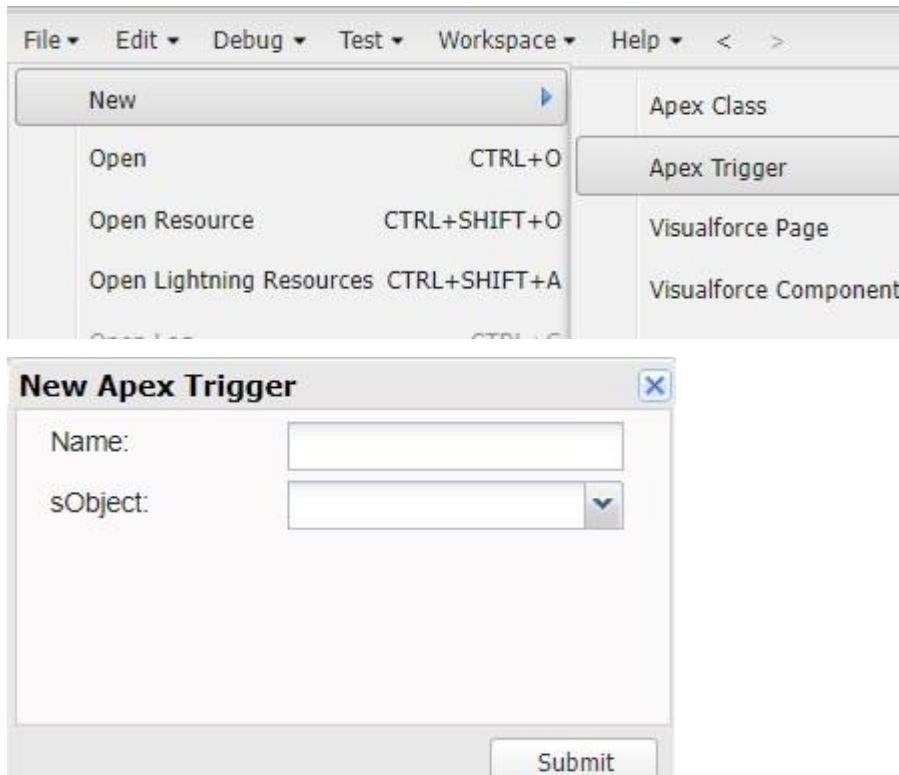
Flow Label : Venue Form

Flow API Name : Venue_Form

TASK 7: TRIGGER

Subtask 7.1: 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.



- 5) Enter Name : DropOffTrigger
sObject: Drop-Off Point
- 6) Click on Submit.

Subtask 7.2: 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 DropOffTrigger on Drop_Off_point__c (before insert) {  
    for(Drop_Off_point__c Drop : Trigger.new){  
        Drop.Distance__c =  
        Drop.distance_calculation__c; }  
}
```

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
4. Then click on Save

Task 9 : Creation of Users (In our Project we consider them as NGO's).

Subtask 9.1 : 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

General Information

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

3. Click on Save

Subtask 9.2 : 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.

<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

TASK 10: PUBLIC GROUPS

Subtask 10.1: 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

Subtask 10.2 : 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.

New				
Action	Label ↑	Group Name	Created By	Created Date
Edit Del	Iksha	Iksha	Bhargavi_Paila	26/03/2024, 2:27 pm
Edit Del	NSS	NSS	Bhargavi_Paila	26/03/2024, 2:27 pm
Edit Del	Street_Cause	Street_Cause	Bhargavi_Paila	26/03/2024, 2:26 pm

TASK 11 : REPORT TYPES

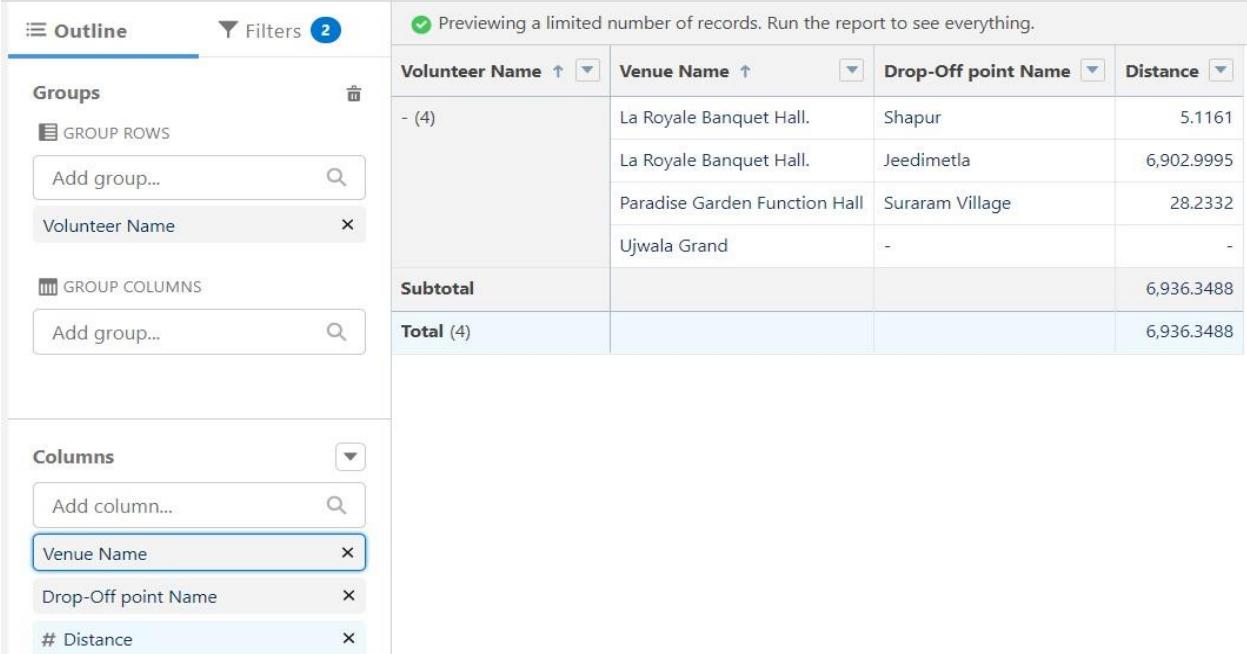
Subtask 11.1 : Creation of Report Types

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.

TASK 12 : REPORTS

Subtask 12.1 : 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.

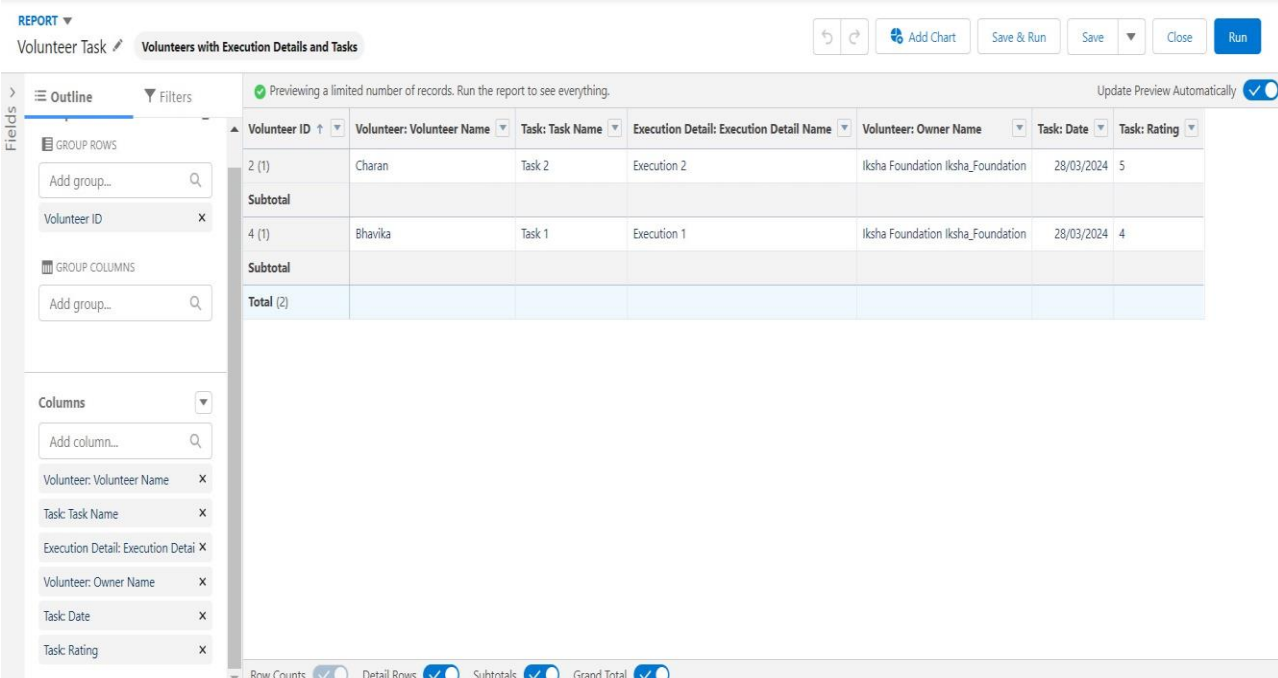


Volunteer Name ↑	Venue Name ↑	Drop-Off point Name	Distance
- (4)	La Royale Banquet Hall.	Shapur	5.1161
	La Royale Banquet Hall.	Jeedimetla	6,902.9995
	Paradise Garden Function Hall	Suraram Village	28.2332
	Ujwala Grand	-	-
Subtotal			6,936.3488
Total (4)			6,936.3488

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

Subtask 12.2 : Creation of Report on Volunteers with Execution Details and Tasks

11. Go to the app(FoodConnect) → click on the reports tab
12. Click on Custom Reports Folder and click on New Report
13. Select Report Type : Volunteers with Execution Details and Tasks.
14. Then click on Start Report.
15. In GROUP ROWS : Volunteer ID
16. In Columns : Add Volunteer : Volunteer Name, Task : Task Name, Execution Detail : Execution Detail Name, Volunteer: Owner Name, Task: Date, Task : Rating.



REPORT ▼
Volunteer Task **Volunteers with Execution Details and Tasks** [Add Chart] [Save & Run] [Save] [Close] [Run]

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

Volunteer ID	Volunteer: Volunteer Name	Task: Task Name	Execution Detail: Execution Detail Name	Volunteer: Owner Name	Task: Date	Task: Rating
2 (1)	Charan	Task 2	Execution 2	Iksha Foundation Iksha_Foundation	28/03/2024	5
Subtotal						
4 (1)	Bhavika	Task 1	Execution 1	Iksha Foundation Iksha_Foundation	28/03/2024	4
Subtotal						
Total (2)						

Columns: Volunteer: Volunteer Name, Task: Task Name, Execution Detail: Execution Detail Name, Volunteer: Owner Name, Task: Date, Task: Rating

Row Counts [x] Detail Rows [x] Subtotals [x] Grand Total [x]

17. Now click on Save & Run.
18. Give Label as :
Report Name : Volunteer Task
Report Unique Name : Auto Populated
19. Click on Select Folder and select Custom Report, then click on Save.

TASK 13 : DASHBOARDS

Subtask 13.1 : 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)

The screenshot shows the configuration interface for a dashboard widget. On the left, the 'Report' dropdown is set to 'venue and Drop Off point'. Below it, there is a checkbox for 'Use chart settings from report' which is unchecked. The 'Display As' section shows various widget icons, with the 'Lightning Table' icon selected. The 'Groups' section has a search bar with 'Add group...' and a magnifying glass icon. The 'Columns' section has a trash icon. On the right, the 'Preview' section shows a dark-themed table with the title 'venue and Drop Off point'.

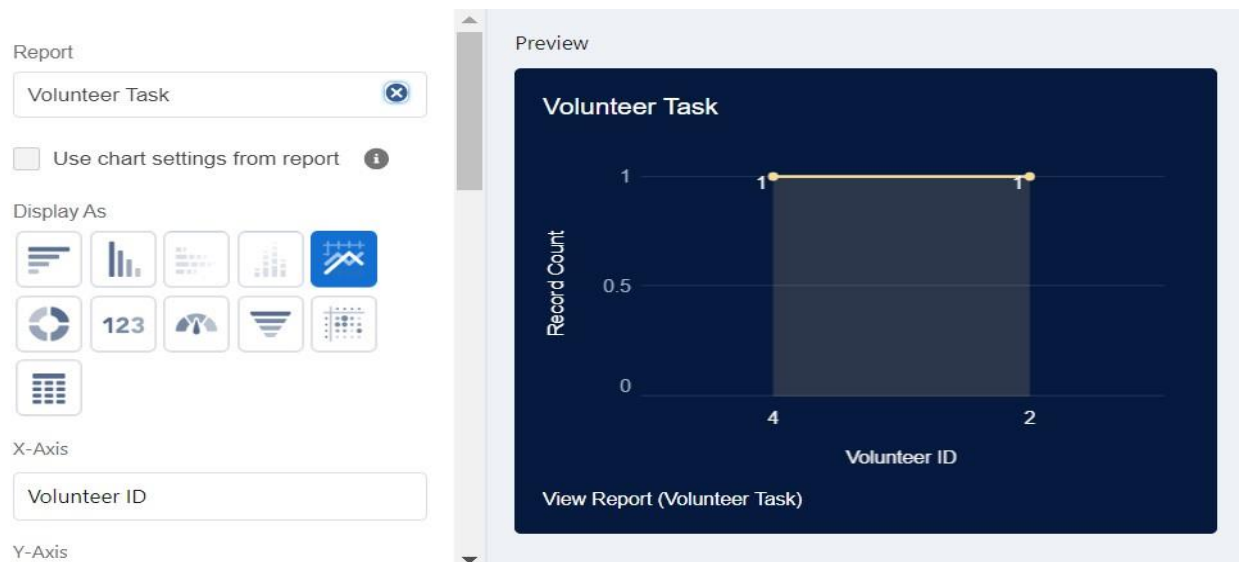
Venue Name ↑	Drop-Off point Name	Distance
La Royale Banquet Hall.	Shapur	5.1161
La Royale Banquet Hall.	Jeedimetla	6.9030κ
Paradise Garden Function Hall	Suraram Village	28.2332
Ujwala Grand	-	-

View Report (venue and Drop Off point)

9. Now click on save.

Subtask 13.2 : Adding Volunteer Task Report to the Dashboard

10. Click on Widget and select Chart or Table 11. In Select Report :
Select Volunteer Task Report. 12. Then click on select 13. In Add
Component:
Display As : Select Line Chart
Component Theme : Select Dark
(Optional)



14. Now click on save.

Subtask 13.3 : 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)

15. Click on Widget and select Image. Then click on Browse Files.

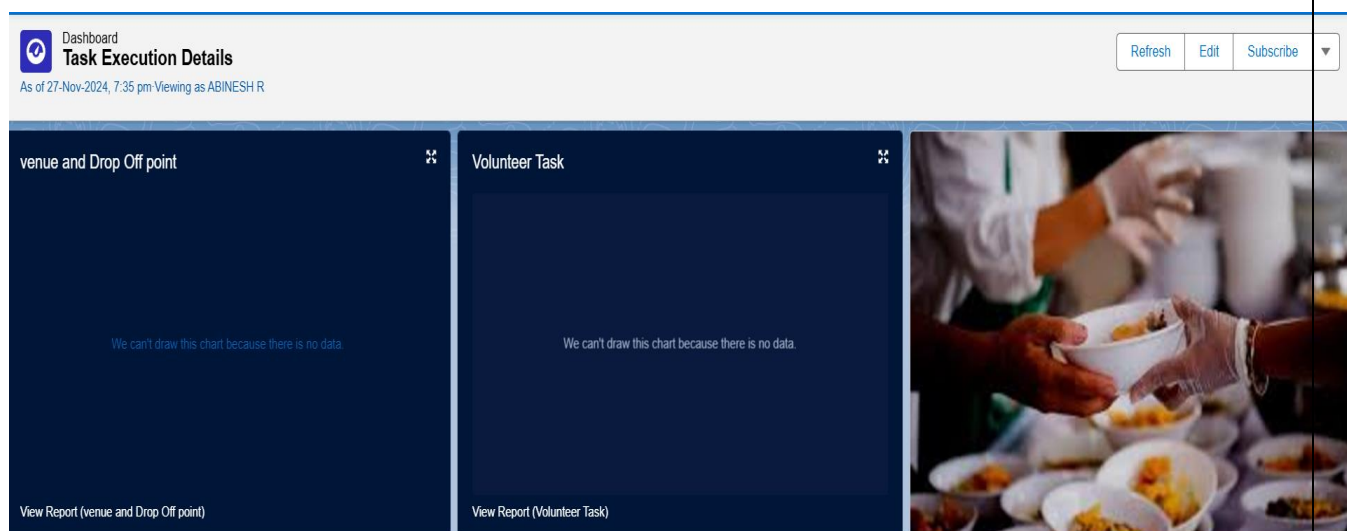
16. Then Select the Picture you want to upload in this Dashboard.

17. Then click on Save As :

Name : Task Execution Details

Click on Select Folder and select Custom Dashboards

18. Click on Select Folder and then Save.



TASK 14 : SHARING RULES

Subtask 14.1 : 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.

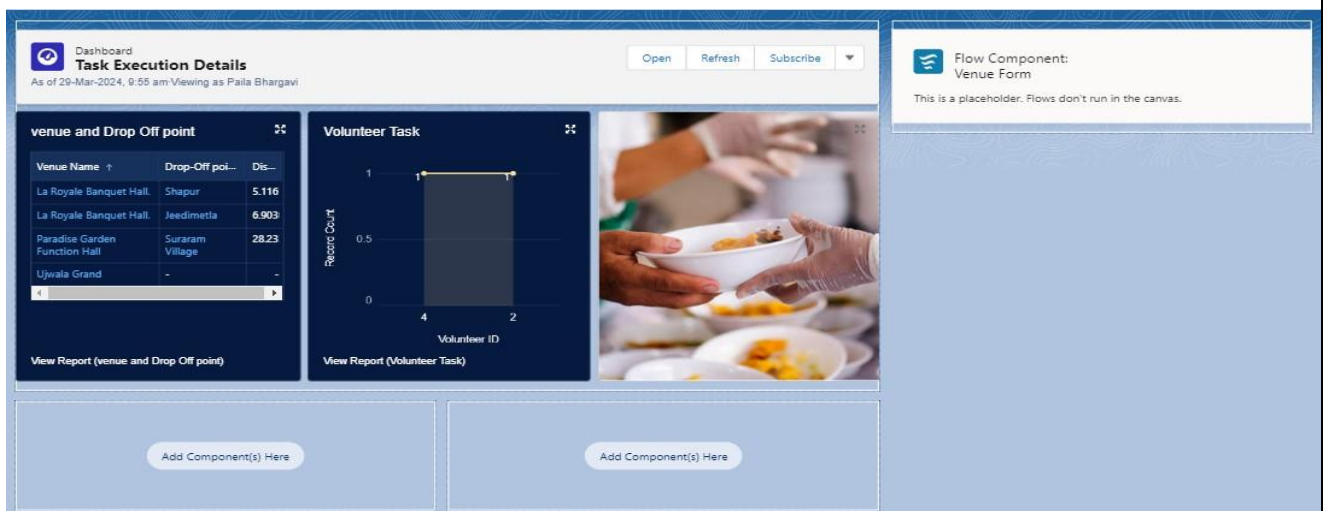
TASK 15 : HOME PAGE

Subtask 15.1 : Creation of Home Page

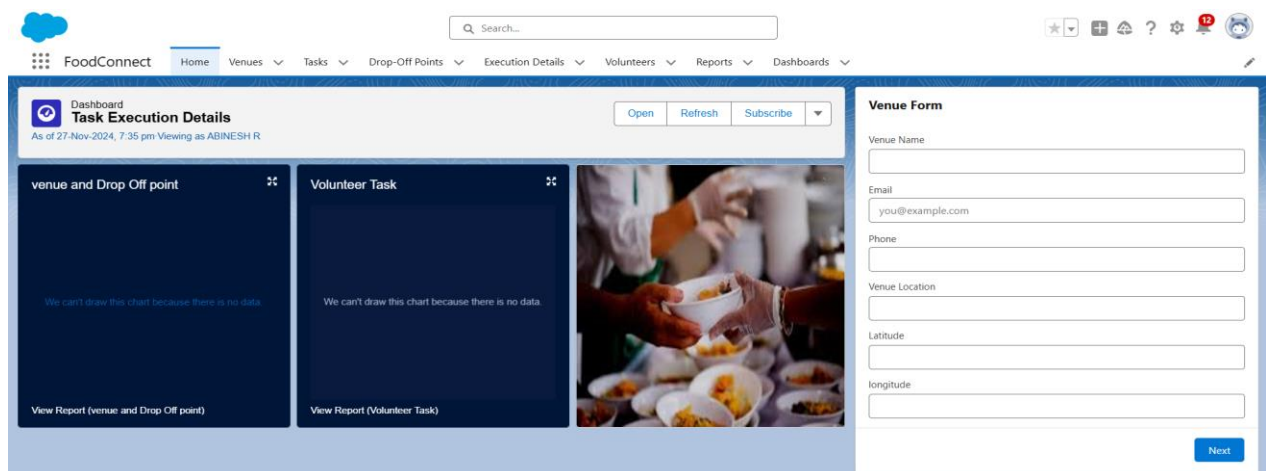
1. Go to setup → type Lightning App Builder in quick find box → Click on the Lightning App Builder and Select the New.
2. Select Home Page and give Label as HOME Page.
3. Select Standard Home Page.
4. Near Components search for Flow and Drag and Drop in Right Side Section..
5. On the right hand side:

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.



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.

