

To Supply Leftover Food To Poor

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Project Overview

Every day, a huge quantity of food is wasted at restaurants, hotels, events, and households, while many people go to sleep hungry. This project aims to create a sustainable system for collecting safe leftover food and distributing it to underprivileged communities.

Objectives

- To minimize food wastage by collecting safe and edible leftover food from hostels, hotels, canteens, and events.

- To provide nutritious meals to poor and needy people who struggle to get daily food.
- To establish a systematic process for food collection, storage, and distribution in a hygienic manner.
- To create awareness among students and the public about the importance of reducing food waste.
- To build partnerships with NGOs, local communities, and volunteers for sustainable food supply.
- To promote social responsibility among students by encouraging them to contribute their time and effort.
- To design a monitoring system (manual/app-based) to track the food donors and beneficiaries.

Student Outcomes

- **Social Responsibility** – Students develop empathy and awareness towards hunger and food wastage in society.
- **Problem-Solving Skills** – Learn to plan collection, storage, and distribution of food efficiently.
- **Teamwork & Collaboration** – Work in groups to coordinate with restaurants, hostels, canteens, and NGOs
- **Leadership Qualities** – Take initiative in organizing food drives and managing resources.
- **Communication Skills** – Improve by interacting with food donors, volunteers, and beneficiaries.
- **Project Management** – Gain experience in scheduling, logistics, and monitoring food distribution.
- **Innovation & Creativity** – Think of smart solutions (apps, networks, tracking systems) to reduce food waste.
- **Ethical & Value Education** – Understand the importance of sharing, caring, and sustainable living.
- **Community Engagement** – Build strong connections with society by serving the needy.
- **Personal Growth** – Develop kindness, patience, and gratitude while helping others.

System Requirements

Hardware Requirements:

- Computer with min/sum 4 GB RAM, Dual-core processor
- Stable internet connection

Software Requirements:

- Salesforce Developer Edition Org
- Modern Web Browser (e.g., Google Chrome, Firefox)

To Supply Leftover Food to Poor

Utilizing Salesforce, our project streamlines surplus food collection and distribution to the needy, ensuring efficiency and transparency.

Milestone 1 : Salesforce developer account creation

Activity 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

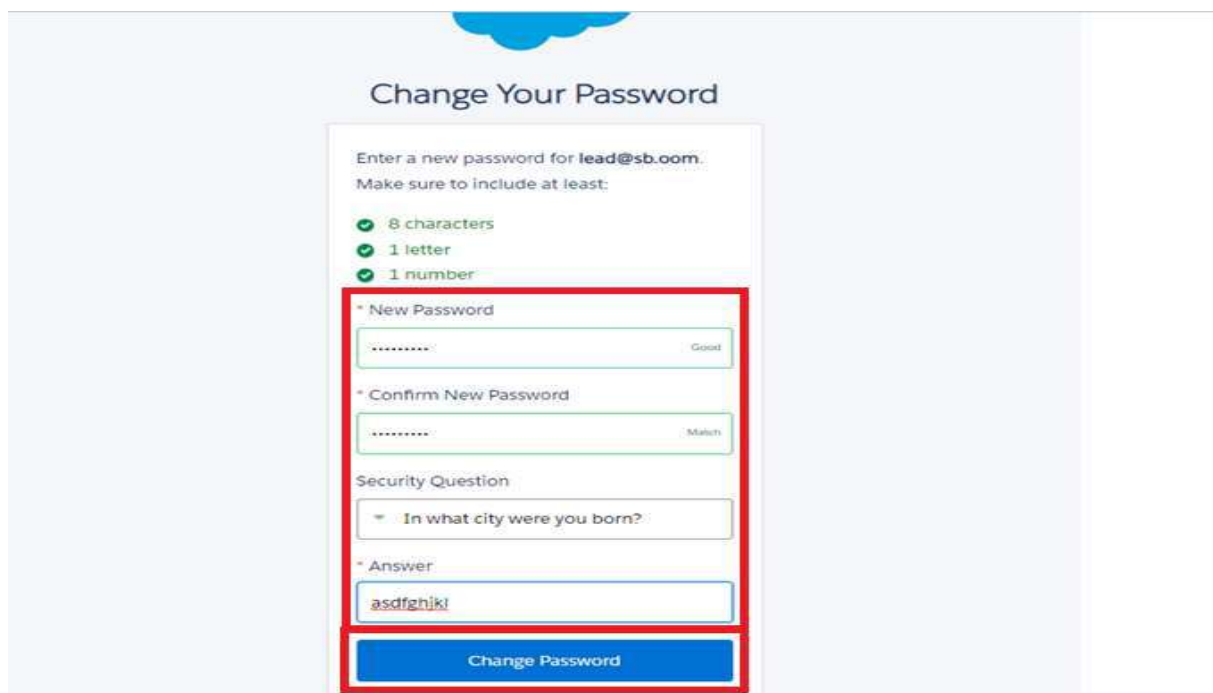
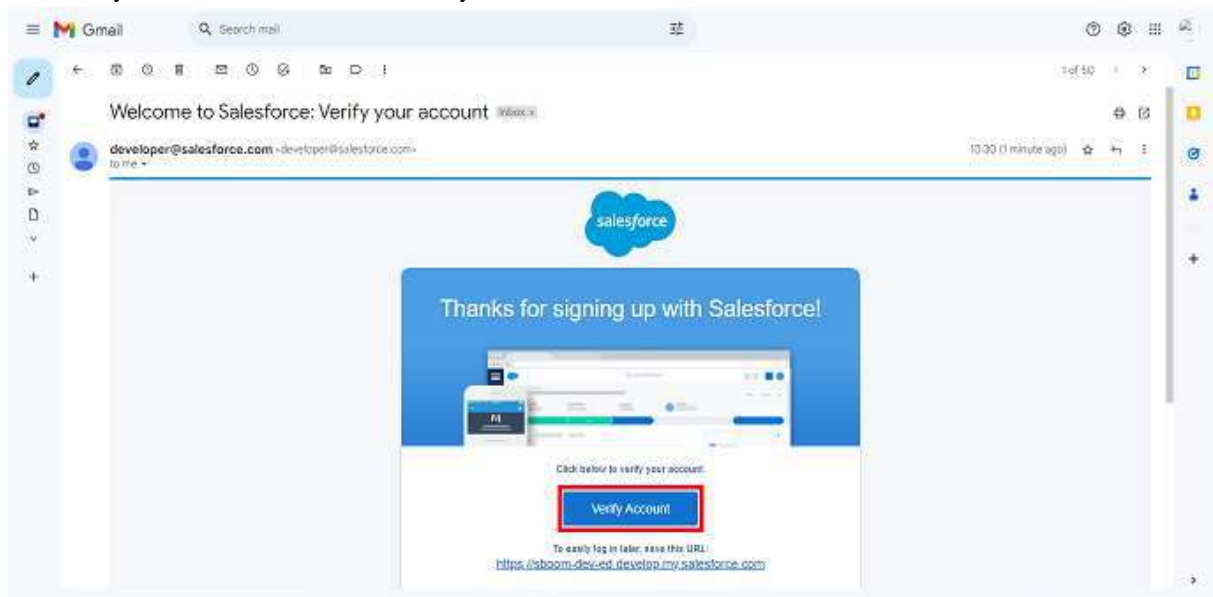
4. Company : College or Company Name
5. County : India
6. Postal Code : pin code
7. Username : should be a combination of your name and company

This need not be an actual email id, you can give anything in the format :
username@organization.com

Click on sign me up after filling these.

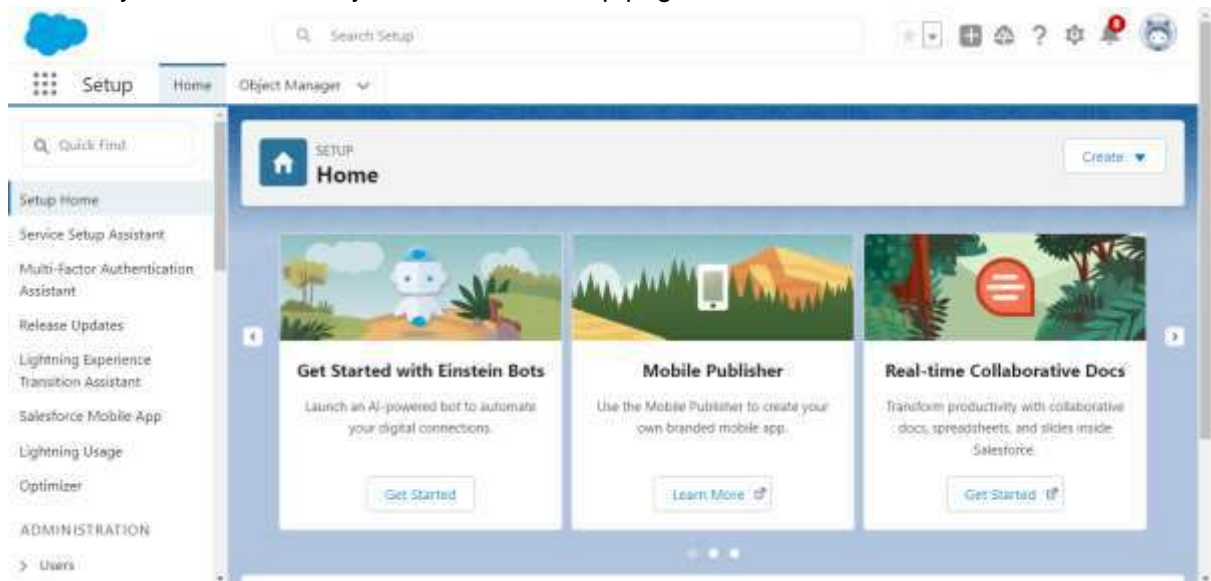
Activity 2 : Account Activation

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.



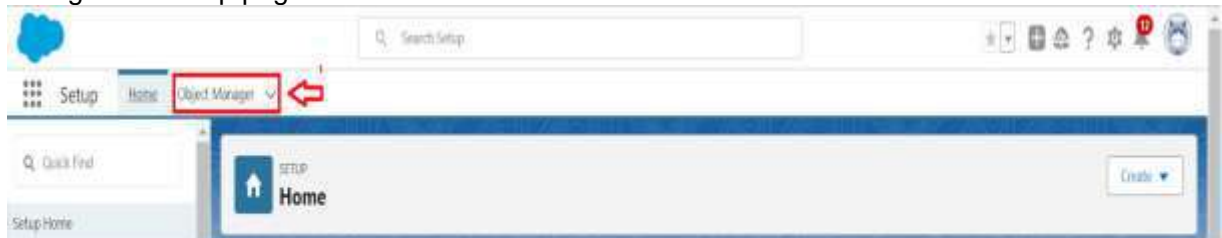
1. Click on Verify Account

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.



Milestone 2 : Object

To Navigate to Setup page:



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.

Object Classification
 When these settings are enabled, this object is classified as an Enterprise Application object. When these settings are disabled, this object is classified as a Light Application object. [Learn more](#)
☒ Allow Sharing
☒ Allow Bulk API Access
☒ Allow Streaming API Access

Deployment Status
☐ In Development
☒ Deployed

Search Status
 When this setting is enabled, your users can find records of this object type when they search. [Learn more](#)
☒ Allow Search 1

Object Creation Options (Available only when custom object is first created)
☐ Add Notes and Attachments related out to default page layout
☐ Launch New Custom Tab Wizard after saving this custom object.

2 Save Save & New Cancel

4. Click on Save.

Activity 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.

Activity 2 : 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.

Activity 3 : 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.

Activity 4 : 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.

Activity 5 : 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.

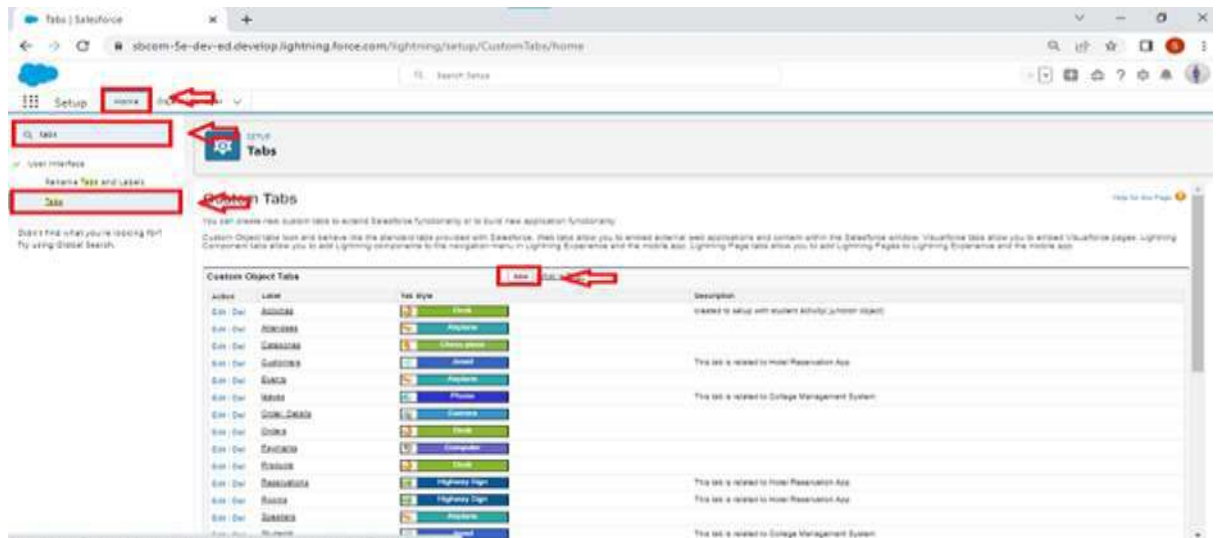
Milestone 3 : Tabs

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.

Activity 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

Activity 2 : Creating Remaining Tabs

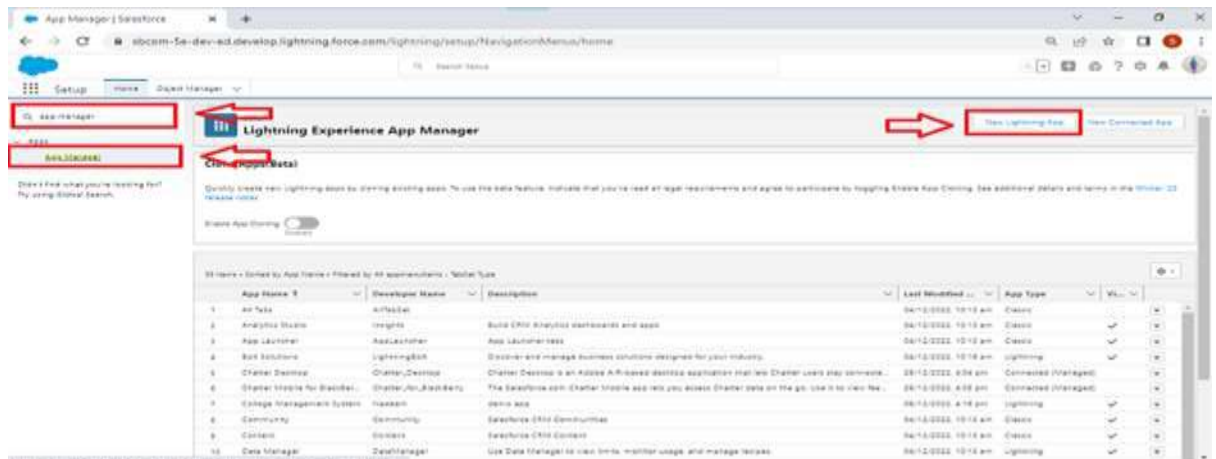
1. Now create the Tabs for the remaining Objects, they are “Drop-Off Point, Task, Volunteer, Execution Details”.
2. Follow the same steps as mentioned in Activity -1 .

Milestone 4 : The Lightning App

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

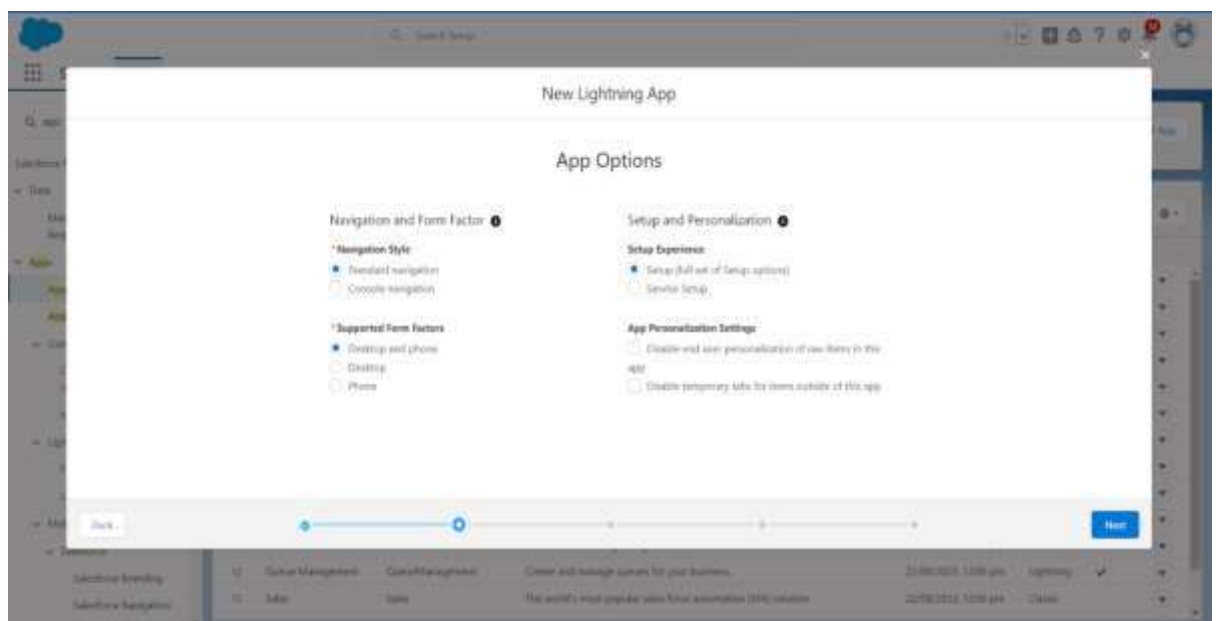
App Name : FoodConnect

Developer Name : This will auto populated

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

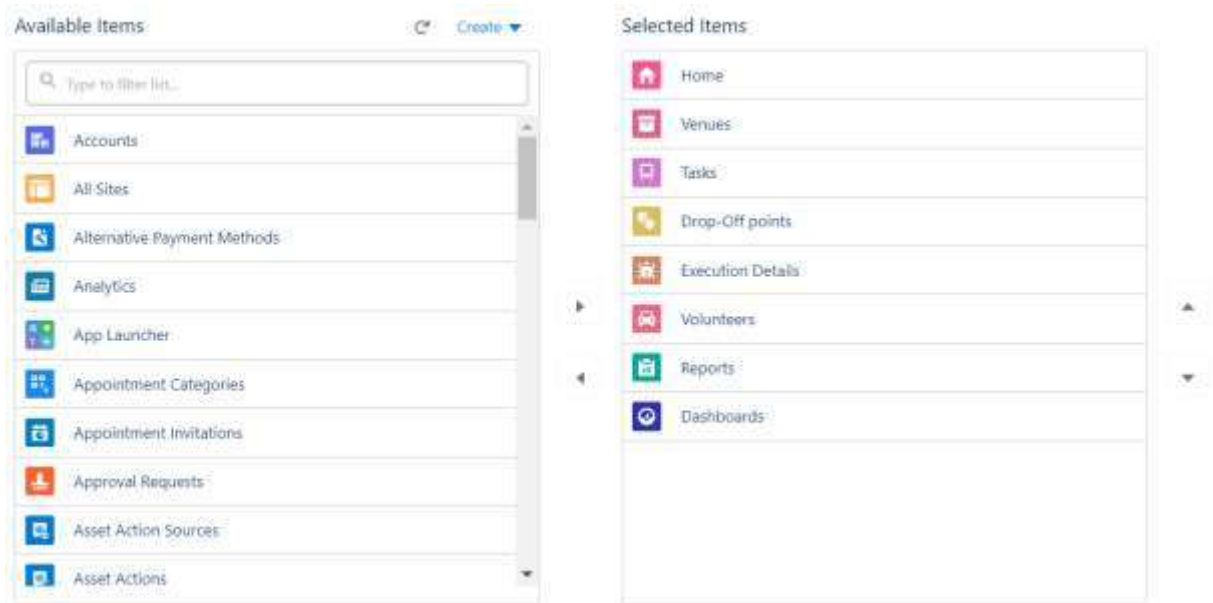
Primary color hex value : keep this default.

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



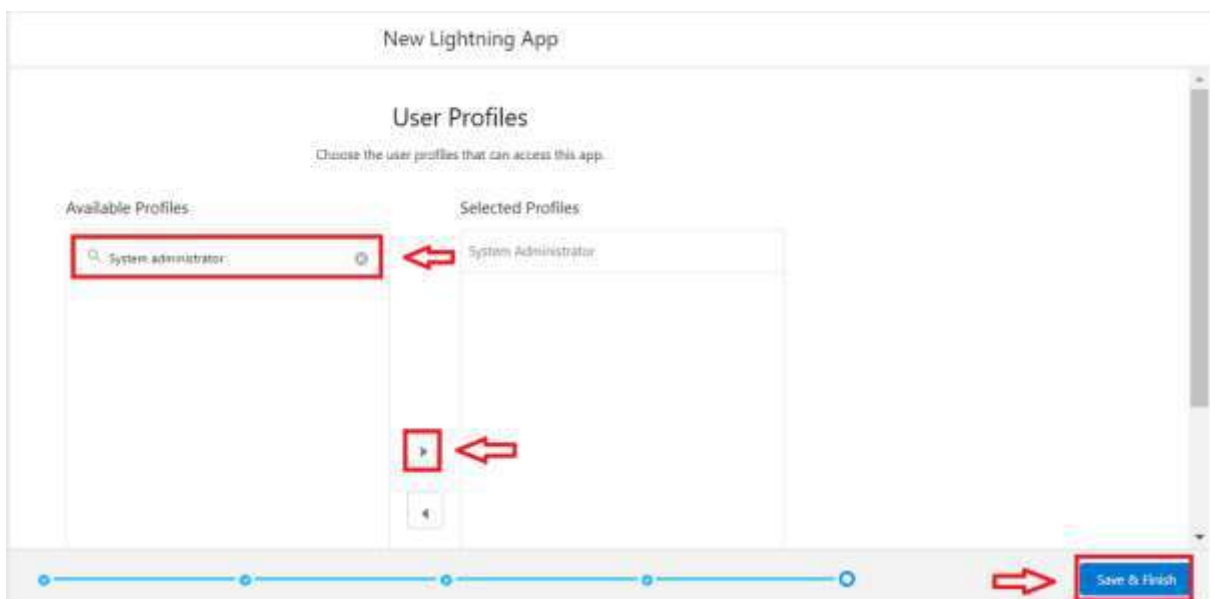
4. (Utility Items) keep it as default >> Next.

5. To Add Navigation Items:



Search for the item in the (Home, Venue, Drop-Off Point, Task, Volunteer, Execution Details, Reports) from the search bar and move it using the arrow button >> Next >> Next.

6. To Add User Profiles:



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

Milestone 5 : Fields

Activity 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(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.

Activity 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.

Activity 3 : Creation of fields for the Drop-Off point object

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

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

To create another fields in an object:

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

Formula Options

Formula Return Type:

Decimal Places:

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...](#)

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.

Activity 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.

Activity 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.

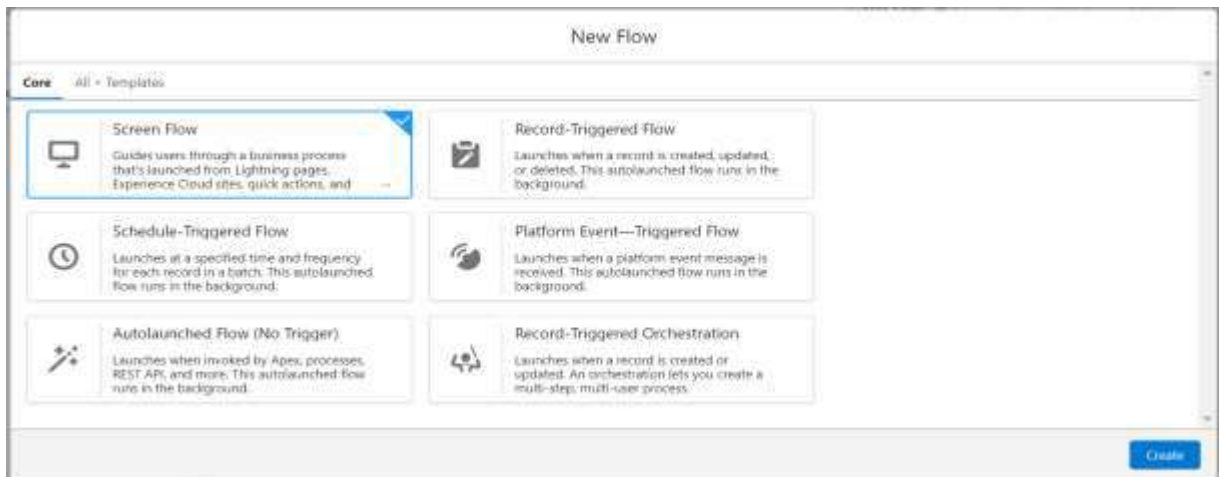
Activity 6 : Creation of fields for the Execution Details object

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.

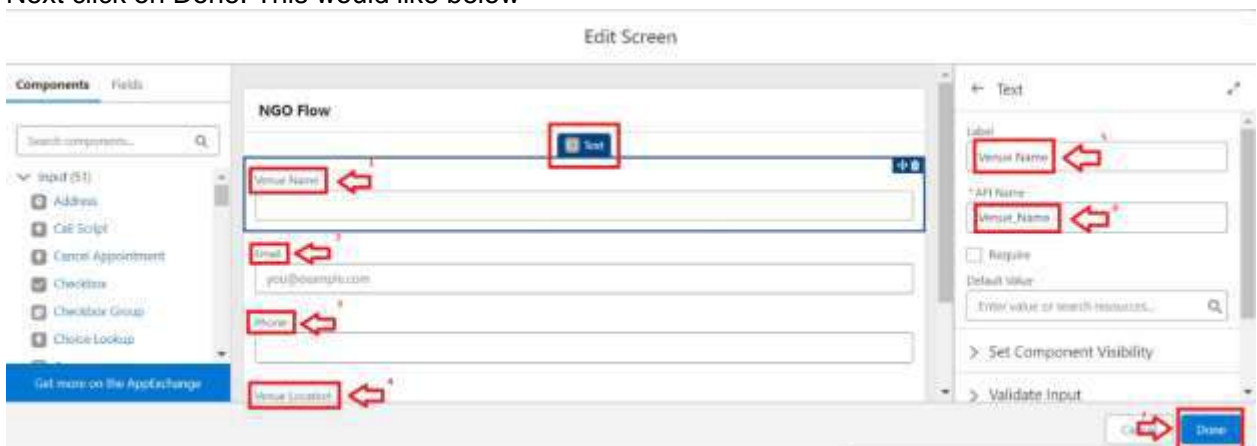
Milestone 6 : FLOWS

Activity 1 : Create Flow to create a record in Venue object

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



3. Click on the '+' icon in between start and end, and click on screen element.
4. Under the Screen Properties:
Label : Venue Details
API Name : Venue_Details
5. Now lets add components in this flow. Click on Text Component and name it as:
Label : Venue Name
API Name : Venue_Name
6. Click on Email Component and name it as:
Label : Email
API Name : Contact_Email
7. Click on Phone Component and name it as:
Label : Phone
API Name : Contact_Phone
8. Click on Text Component and name it as:
Label : Venue Location
API Name : Venue_Location
9. Click on Number Component and name it as:
Label : Latitude
API Name : Latitude
10. Click on Number Component and name it as:
Label : longitude
API Name : longitude
11. Next click on Done. This would like below



12. Click on the '+' icon in between Venue details and end, and click on create record element.
13. Now label it as
Label : Create Venue Record
API Name : Create_Venue_Record

How Many Records to Create : One

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

Object : Venue

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

Field : Value = Contact_Email__c : {!Contact_Email.value}

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

Field : Value = Name : {!Venue_Name}

Field : Value = Venue_Location__c : {!location}

Field : Value = Location__Latitude__s : {!latitude}

Field : Value = Location__Longitude__s : {!longitude}

14. This would look like:

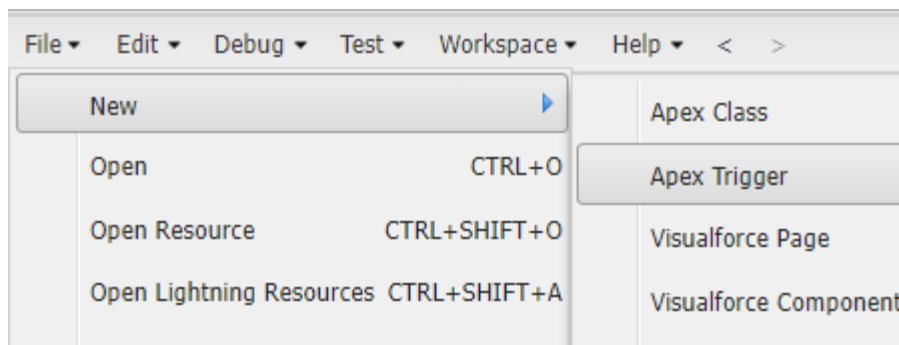
The screenshot shows the 'Create a Record of This Object' interface for the 'Venue' object. The 'Object' dropdown is set to 'Venue'. Below, the 'Set Field Values for the Venue' section shows four fields: 'Contact_Email__c', 'Contact_Phone__c', 'Name', and 'Venue_Location__c'. Each field has a corresponding 'Value' dropdown menu. The values are: 'Contact_Email' > Value, 'Contact_Phone' > Value, 'Venue_Name', and 'location'. Each value dropdown has a red box around it and a trash icon to its right.

15. Click on Save as:
Flow Label : Venue Form
Flow API Name : Venue_Form

Milestone 7 : Trigger

Activity 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.

Activity 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;
    }
}
```

Milestone 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
1. Then click on Save

Milestone 9 : Creation of Users

In our Project we consider them as NGO's

Activity 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

3. Click on Save

Activity 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	nnss	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

Milestone 10 : Public Groups

Activity 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

Activity 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

Milestone 11 :Report Types

Activity 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.

Milestone 12 : Reports

Activity 1 : Creation of Report on Venue with DropOff with Volunteer

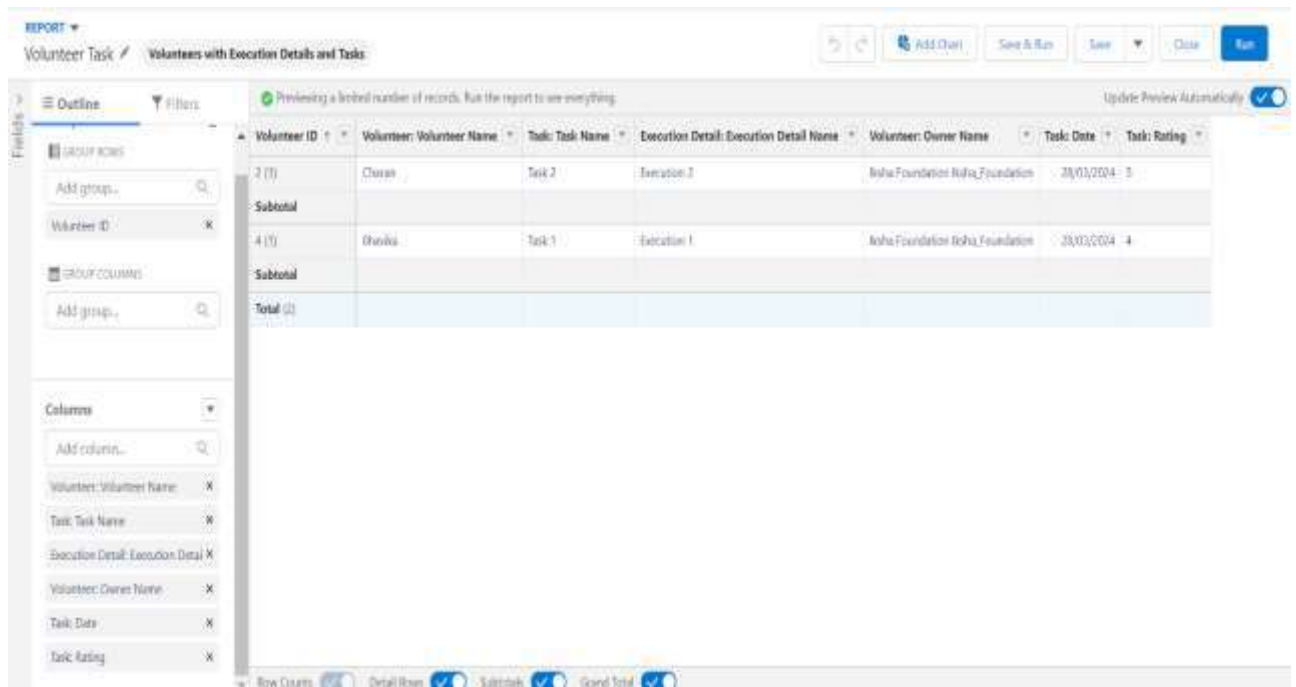
1. Go to the app(FoodConnect) >> click on the reports tab
2. Click on New Folder.
Folder Label : Custom Reports
Folder Unique Name : CustomReports
3. Open Custom Reports and click on New Report
4. Select Report Type : Venue with DropOff with Volunteer
5. Then click on Start Report.
6. In GROUP ROWS : Add Volunteer Name
7. In Columns : Add Venue Name, Drop-Off point Name, Distance.

<div> <div>Outline</div> <div>Filters 2</div> </div>		<div> <div>Previewing a limited number of records. Run the report to see everything.</div> </div>																										
<div> <div>Groups</div> <div>GROUP ROWS:</div> <div>Add group...</div> <div>Volunteer Name</div> <div>GROUP COLUMNS:</div> <div>Add group...</div> <div>Columns</div> <div>Add column...</div> <div>Venue Name</div> <div>Drop-Off point Name</div> <div># Distance</div> </div>		<table> <thead> <tr> <th>Volunteer Name</th><th>Venue Name</th><th>Drop-Off point Name</th><th>Distance</th></tr> </thead> <tbody> <tr> <td rowspan="4">+ (4)</td><td>La Royale Banquet Hall.</td><td>Shapur</td><td>5.1161</td></tr> <tr> <td>La Royale Banquet Hall.</td><td>Jeedimetla</td><td>6,902.9995</td></tr> <tr> <td>Paradise Garden Function Hall</td><td>Suraram Village</td><td>28.2332</td></tr> <tr> <td>Ujwala Grand</td><td>-</td><td>-</td></tr> <tr> <td colspan="2">Subtotal</td><td></td><td>6,936.3488</td></tr> <tr> <td colspan="2">Total (4)</td><td></td><td>6,936.3488</td></tr> </tbody> </table>		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
Volunteer Name	Venue Name	Drop-Off point Name	Distance																									
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	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 :
10. Report Name : venue and Drop Off point
11. Report Unique Name : Auto Populated
12. Click on Select Folder and select Custom Report, then click on Save.

Activity 2 : Creation of Report on Volunteers with Execution Details and Tasks

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



7. Now click on Save & Run.
8. Give Label as :
 - Report Name : Volunteer Task
 - Report Unique Name : Auto Populated
1. Click on Select Folder and select Custom Report, then click on Save.

Milestone 13 : Dashboards

Activity 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)

Report

venue and Drop Off point

Use chart settings from report

Display As

123

Groups

Add group...

Columns

Preview

venue and Drop Off point

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

View Report (venue and Drop Off point)

- Now click on save.

Activity 2 : Adding Volunteer Task Report to the Dashboard

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

Report

Volunteer Task

Use chart settings from report

Display As

123

X-Axis

Volunteer ID

Y-Axis

Preview

Volunteer Task

View Report (Volunteer Task)

- Now click on save.

Activity 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)

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.



Milestone 14 : Sharing Rules

Activity 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.

Drop-Off point Sharing Rules

New

Recalculate

Drop-Off point Sharing Rules Help ?

Action	Criteria	Shared With	Access Level
Edit Del	Drop-Off point: Distance LESS OR EQUAL 15	Group: Iksha	Read/Write
Edit Del	(Drop-Off point: Distance GREATER THAN 15) AND (Drop-Off point: Distance LESS OR EQUAL 30)	Group: NSS	Read/Write
Edit Del	(Drop-Off point: Distance GREATER THAN 30) AND (Drop-Off point: Distance LESS OR EQUAL 50)	Group: Street Cause	Read/Write

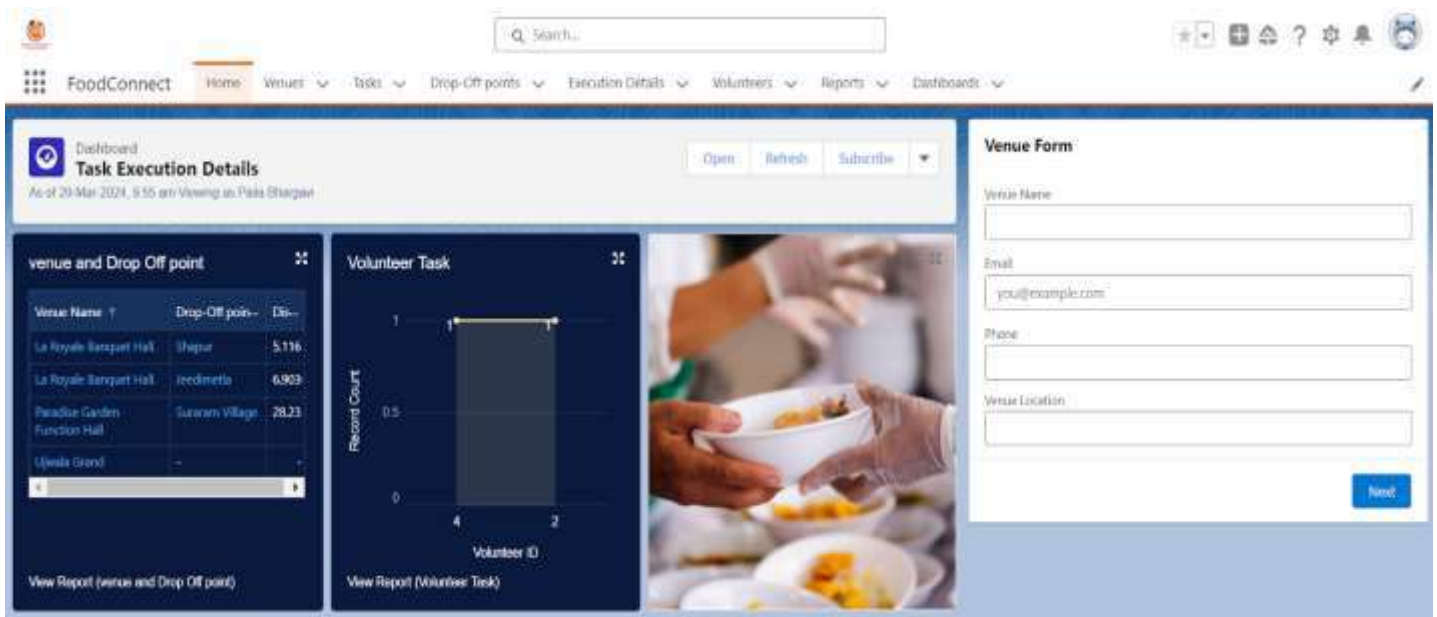
Milestone 15 : Home Page

Activity 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

Future Scope

1. Technology Integration

- Development of a mobile app or website to connect donors (restaurants, hostels, events, households) with NGOs/volunteers in real-time.
- Use of AI & IoT to track food freshness, expiry, and logistics for safe distribution.

2. Collaboration & Partnerships

- Tie-ups with restaurants, hotels, marriage halls, corporates, hostels, and supermarkets to ensure a consistent food supply.
- Partnerships with government agencies and NGOs for large-scale outreach.

3. Logistics & Distribution

- Establishing cold storage vans and efficient delivery networks to maintain food safety.
- Setting up community fridges in cities for easy access by needy people.

4. Awareness & Social Impact

- Conduct campaigns to reduce food wastage and encourage people to donate surplus food.
- Recognition programs for regular contributors (certificates, tax benefits, CSR credits).

5. Scalability & Expansion

- Expansion from local communities to statewide and nationwide networks.
- International collaborations with food banks and global NGOs (like Feeding India, Robin Hood Army).

6. Sustainability & Innovation

- Convert inedible leftovers into compost or animal feed to ensure zero waste.
- Encourage sustainable food packaging for donations.

7. Government & Policy Support

- Lobby for food donation laws that protect donors from liability.
- Inclusion of the project under CSR (Corporate Social Responsibility) to attract funding.