FOOD SHARE

(TO SUPPLY LEFTOVER FOOD TO POOR)

By

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PROJECT ABSTRACT

Food waste is a significant issue worldwide, with tons of food being discarded daily while many people suffer from hunger. This project aims to develop a Salesforce-based solution to streamline the process of collecting and distributing leftover food to those in need. By leveraging the capabilities of Salesforce, we can efficiently manage the logistics, ensure food safety, and maximize the impact of food donations.

This project will minimize food waste by redirecting surplus food to the poor, ensuring timely and efficient distribution. It will also enhance transparency through real-time tracking and reporting of food donations and distributions. Additionally, the project will engage volunteers and donors, facilitating their involvement in the food redistribution process.

The methodology involves integrating Salesforce CRM to create a centralized system for managing food donations, donors, volunteers, and beneficiaries. A portal will be developed for food establishments to register and report surplus food. Volunteers will be coordinated through a registration and assignment module to ensure efficient food pick-up and delivery. A system will be implemented for identifying and registering individuals and communities in need of food assistance. Logistics management will be optimized using Salesforce's capabilities, and real-time tracking will be enabled through Salesforce's reporting and dashboard features. A feedback mechanism will be incorporated to continuously improve the process.

Expected outcomes include a significant reduction in food waste from participating establishments, improved food access for needy individuals and communities, higher participation rates from volunteers and donors, and clear and transparent reporting of all activities related to food collection and distribution. This Salesforce based project addresses the dual issues of food waste and hunger by creating an efficient system for redistributing leftover food. By leveraging Salesforce's robust features, the project aims to create a sustainable and scalable solution that can be adopted by communities worldwide.

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INTRODCTION

Food waste is a growing concern globally, with an alarming amount of edible food being discarded daily while millions of people suffer from hunger and food insecurity. This paradox highlights the need for innovative solutions to bridge the gap between surplus food and those in need. The project "Supply Leftover Food to the Poor" aims to address this issue by leveraging the powerful capabilities of Salesforce to create a streamlined, efficient, and scalable system for collecting, managing, and distributing leftover food.

The core idea is to develop a centralized platform where restaurants, cafes, and other food establishments can easily report their surplus food. Volunteers can then be coordinated to collect and deliver this food to registered beneficiaries, ensuring that the food reaches those in need promptly and safely. By using Salesforce's CRM tools, we can enhance the efficiency of this process, track real-time data, and maintain transparency throughout the operation.

This project not only aims to reduce food waste but also seeks to improve food security for disadvantaged individuals and communities. Through community engagement and leveraging technology, we can create a sustainable model that benefits both the environment and society. By addressing logistical challenges and ensuring proper food handling and distribution, this project hopes to set a precedent for how technology can be used to tackle pressing social issues.

TASK 1: Salesforce developer account creation

Creating Developer Account

Creating a developerorg in salesforce.

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

a. First name & Last name

b. Email

c. Role : Developer

d. Company : College or Company Name

e. County : India

f. Postal Code : pin code

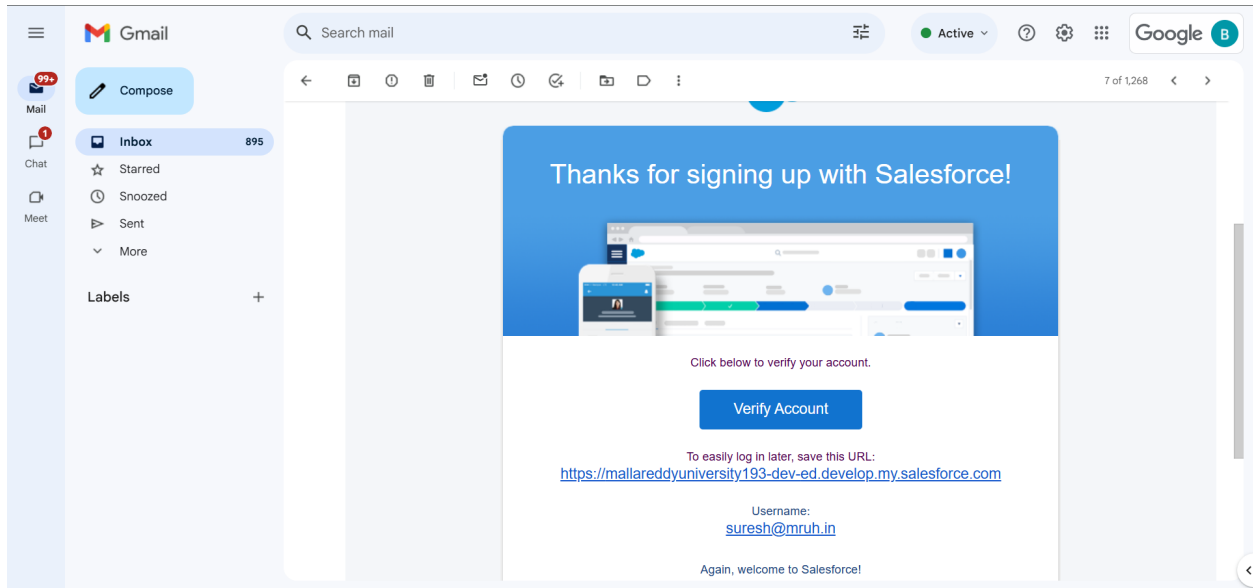g. Username : should be a combination of your name and company

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

username@organization.com

Click on sign me up after filling these.

Account Activation

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

Click on Verify Account

2. Give a password and answer a security questionand click on change password.

3. Give a password and answer a security questionand click on change password.

4. Then you will redirectto your salesforce setup page.
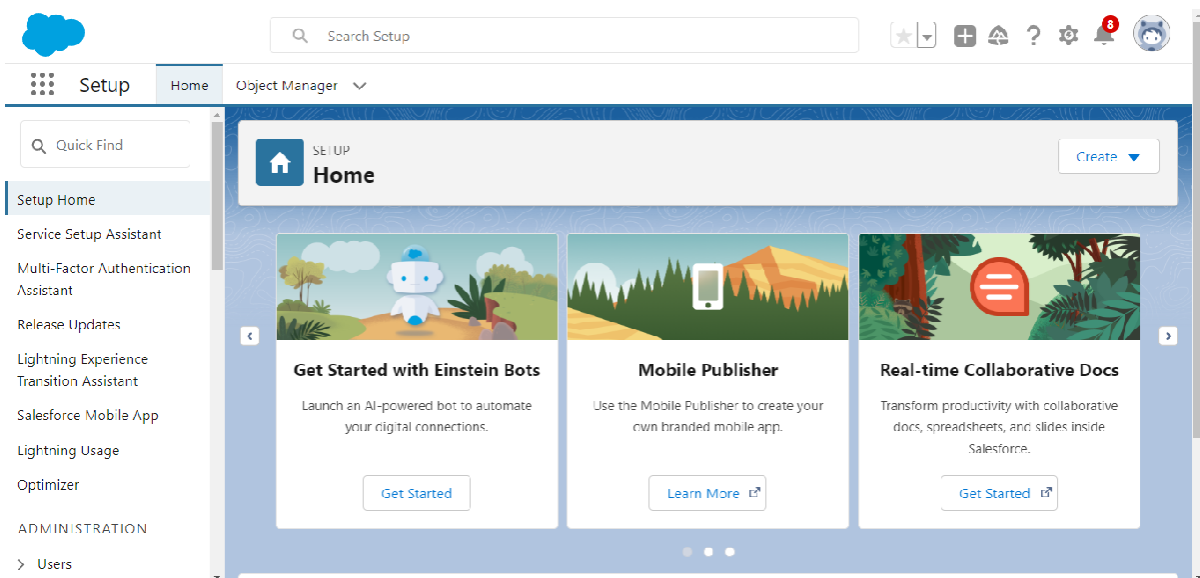
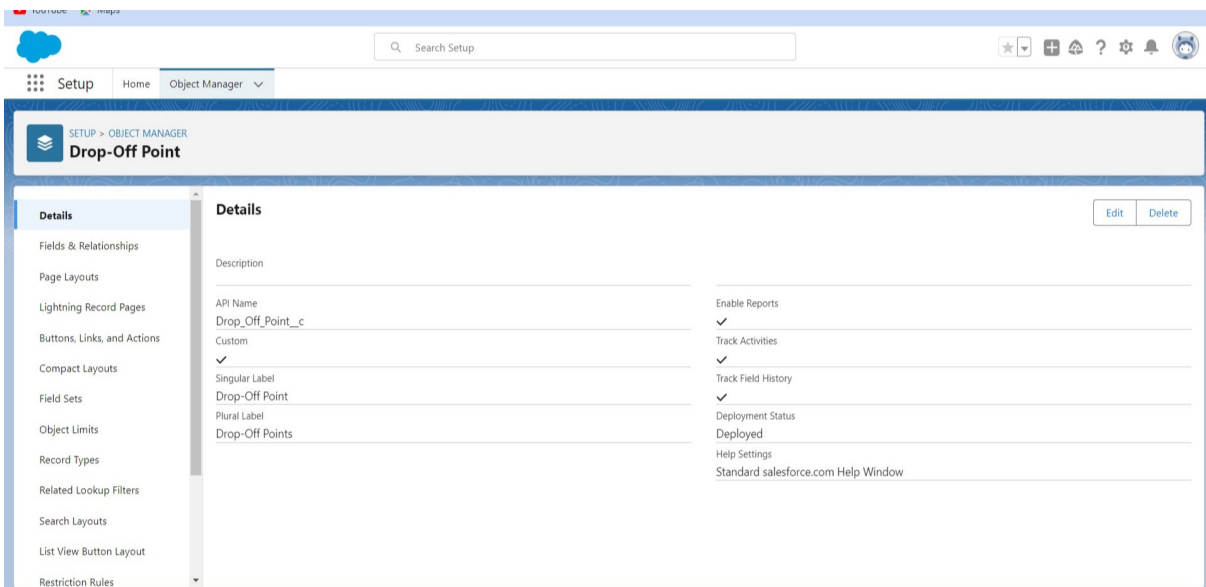# TASK 2: Objects creation

Create Venue Object

To create an object:

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

a. Enter the label name >> Venue

b. Plural label name >>Venues

c. Enter RecordName Label and Format

- Record Name >> Venue Name
- DataType >> Text

2. Click on Allow reportsand Track Field History,Allow Activities.

3. Allow search >> Save.
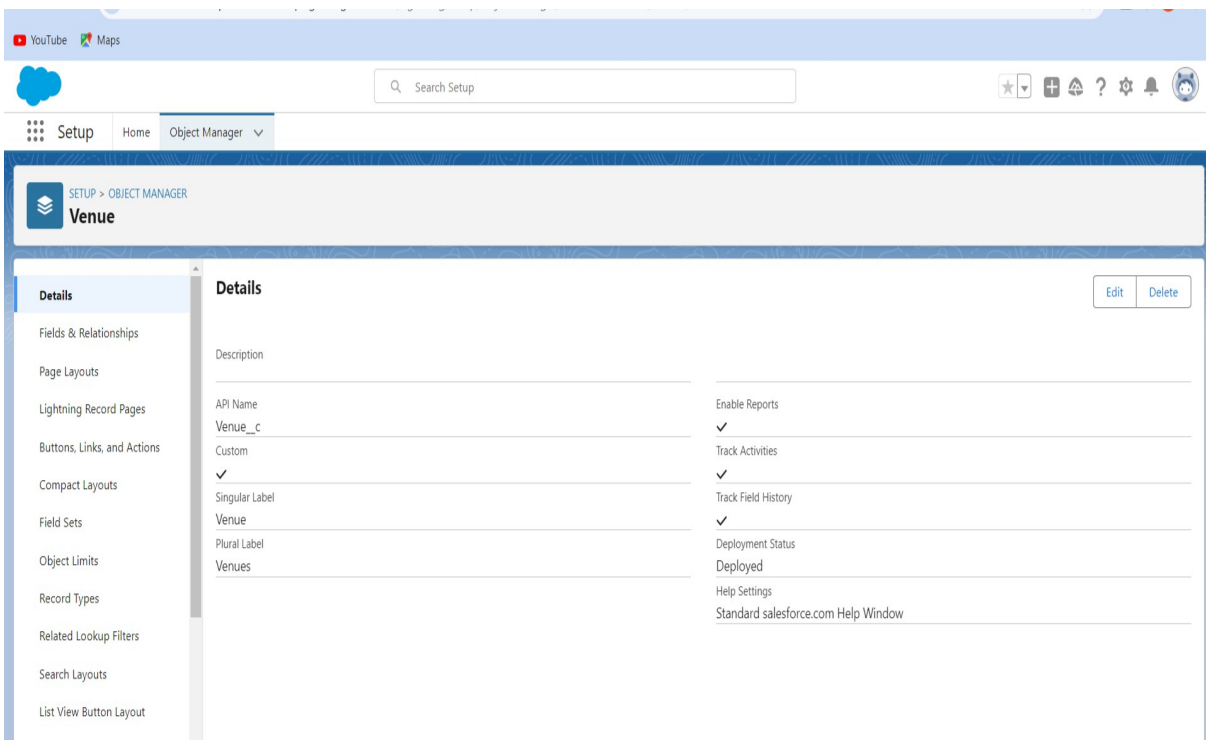
Create Drop-Off Point Object

To create an object:

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

   a. Enter the label name >> Drop-OffPoint

   b. Plural label name>> Drop-Off Points

   c. Enter RecordName Label and Format

   - Record Name >> Drop-Off point Name
   - DataType >> Text

2. Clickon Allow reportsand Track Field History,Allow Activities

3. Allow search >> Save.
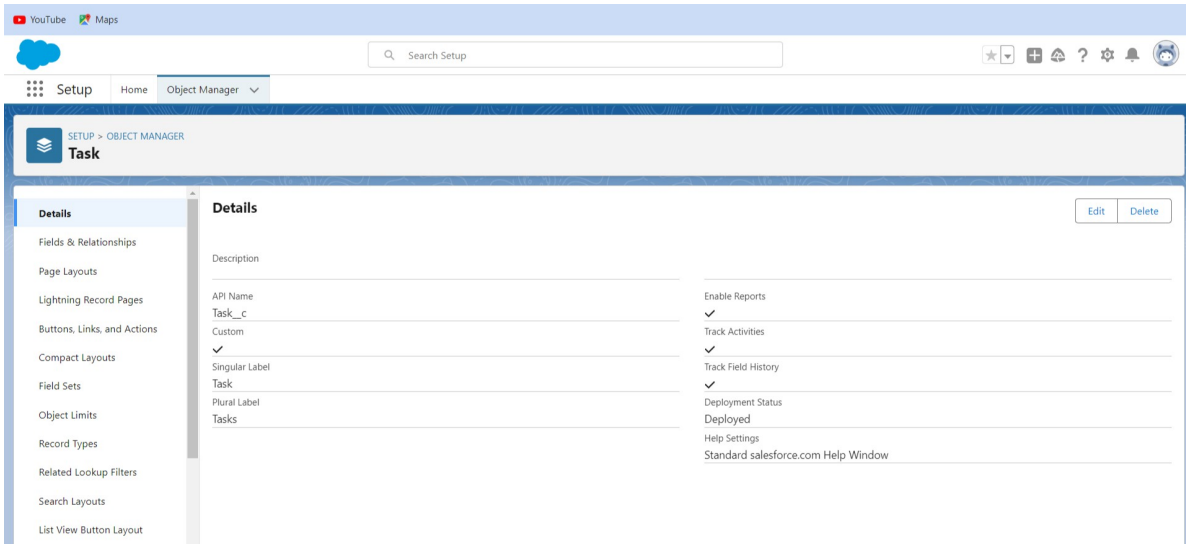

Create Task Object

To create an object:

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

   a. Enter the label name>> Task

   b. Plural labelname>> Tasks

c. Enter RecordName Label and Format

- Record Name >> Task Name

- DataType >> Text

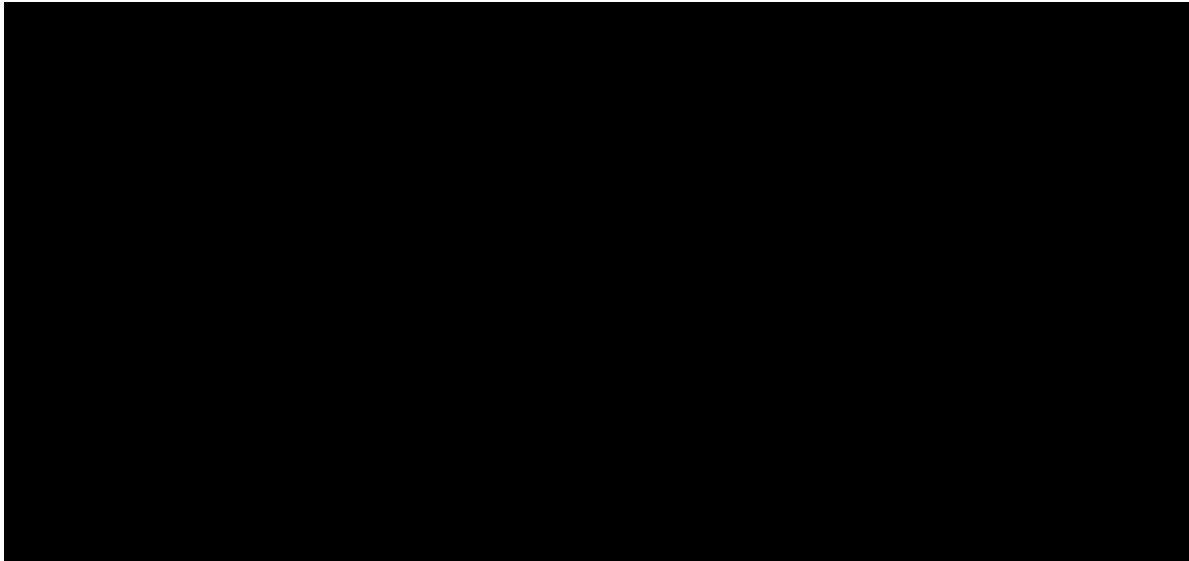2. Clickon Allow reportsand Track Field History,Allow Activities

3. Allow search >> Save.

Create Volunteer Object

To create an object:

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

a. Enter the label name>> Volunteer

b. Plural labelname>> Volunteers

c. Enter RecordName Label and Format

- Record Name >> VolunteerName

- DataType >> Text

2. Click on Allow reportsand Track FieldHistory, Allow Activities

3. Allow search >> Save

Create Execution Details Object

To createan object:

1. From the setup page >> Click on Object Manager >>Click on Create >> Click on Custom Object.
   a. Enter the label name >>Execution Detail
   b. Plural label name >> Execution Details
   c. Enter Record Name Label and Format
      - Record Name >>Execution Detail Name
      - Data Type >>Text
2. Click on Allow reportsand Track FieldHistory, Allow Activities
3. Allow search >>Save.
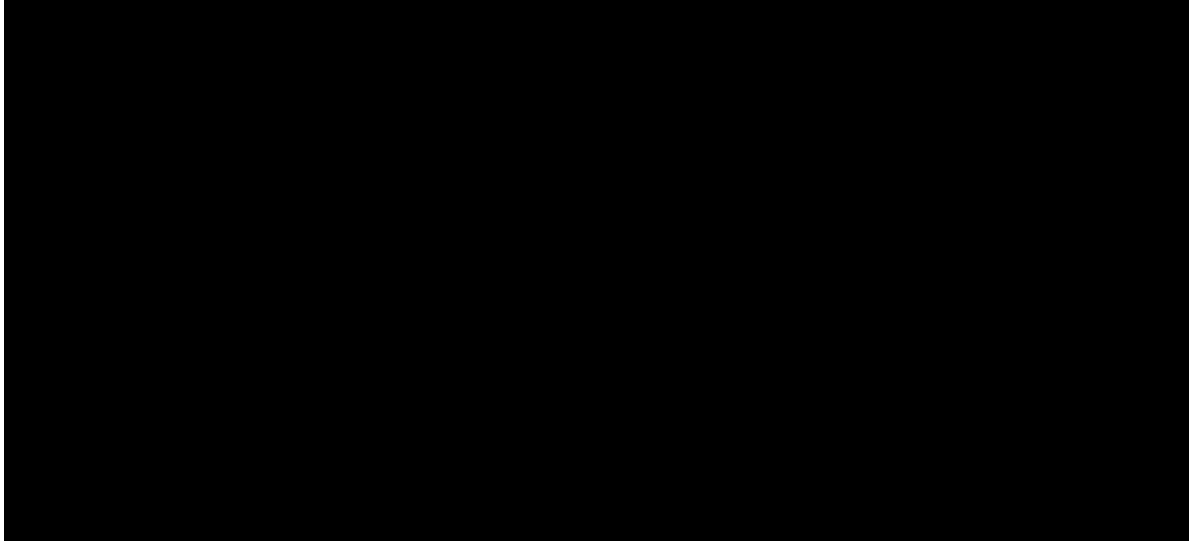
TASK 3: Tabs

What is Tab : A tab is like a user interface that is used to buildrecords for objects and to view the records in the objects.

Creating a Custom Tab

To create a Tab:(Venue)

Go to setuppage >> type Tabs in Quick Find bar >>click on tabs >> New (under custom object tab)

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

Creating Remaining Tabs

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

TASK 4: The Lightning App

To createa lightning app page:

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

2. Fill the app name in app details and branding as follow
   App Name : Food Share
   Developer Name : This will auto populated

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

3. Then clickNext >> (App option page)SetNavigation Style as Standard Navigation
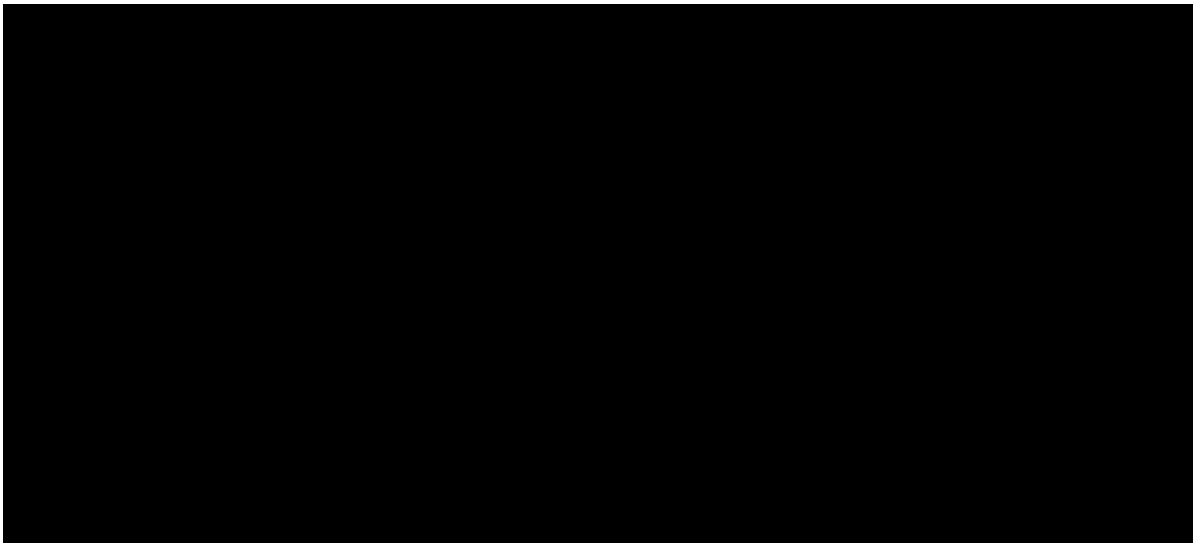
>> Next.

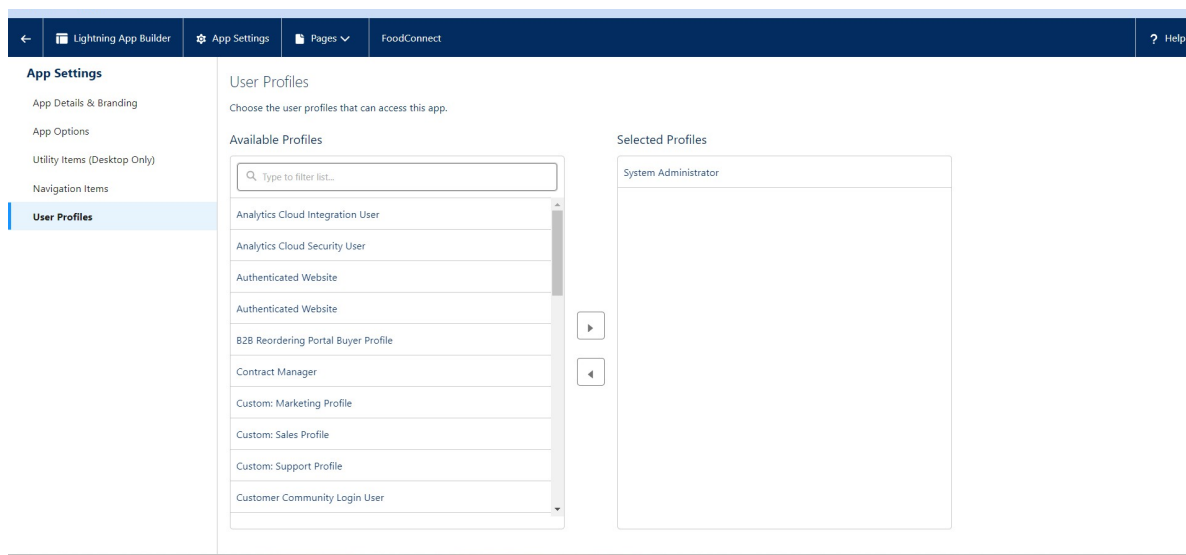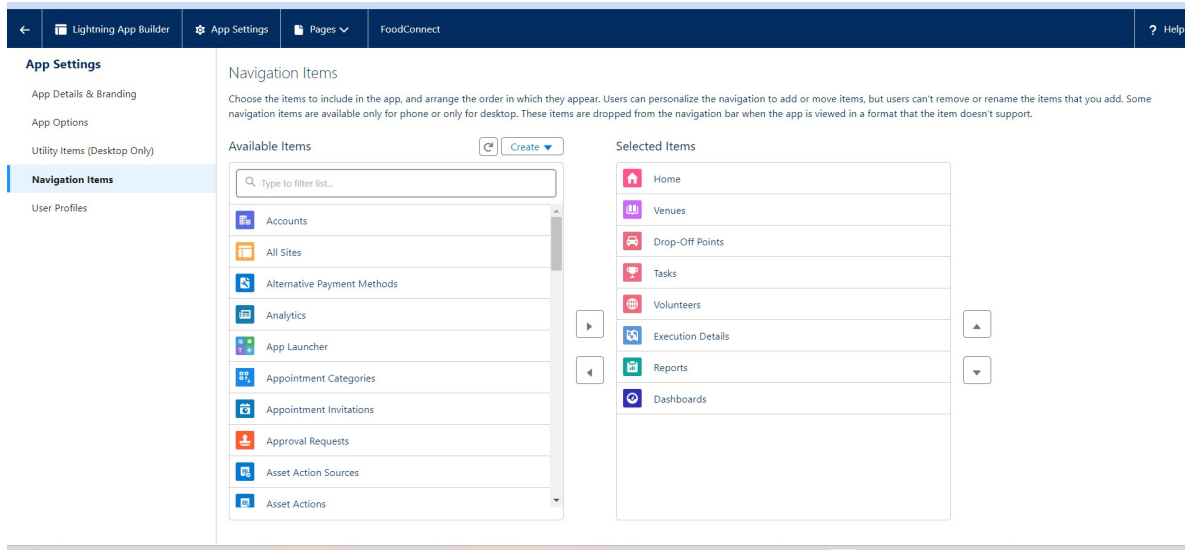4. (Utility Items)keep it as default >>Next.

5. To Add Navigation Items:
   Search for the item in the (Home, Venue, Drop-Off Point, Task, Volunteer, Execution Details, Reports) from the searchbar and move it usingthe arrow button>> Next >>Next.

6. To Add User Profiles:

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

TASK 5: Fields creation

Creation of Relationship fieldsin objects

Creation of Lookup Relationship Field on VolunteerObject :

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

2. Nowclick on "Fields& Relationships" >>New
3. Select Master Detail relationship
4. Select the related object "Drop-Off point" and click next.

5. FieldName : Drop_Off_point
6. Fieldlabel : Auto generated

7. Next>> Next >> Save.

Creation of Master DetailRelationship Field on Execution DetailsObject :
8. Go to setup >> click on Object Manager >>type object name(Execution Details) in the search bar >> click on the object.
9. Nowclick on "Fields& Relationships" >>New

10. Select Master Detail relationship
11. Select the related object"Volunteer" and click next.

12. FieldName : Volunteer
13. Field label : Auto generated
14. Next >>Next >> Save.

Creation of Master DetailRelationship Field on Execution DetailsObject :
15. Go to setup >> click on Object Manager >>type object name(Execution Details) in the search bar >> click on the object.

16. Nowclick on "Fields& Relationships" >>New

17. Select Master Detail relationship
18. Select the related object "Task" and click next.
19. Field Name : Task

20. Fieldlabel : Auto generated
21. Next >>Next >> Save.

Creation of Lookup Relationship Field on Drop-OffPoint Object :
22. Go to setup >> click on Object Manager >>type object name(Task) in the search bar >> click on the object.
23. Nowclick on "Fields& Relationships" >>New
24. Select Lookuprelationship

25. Select the related object "Drop-Off Point" and click next.
26. Field Name : Venue
27. Fieldlabel : Venue__c
28. Next >>Next >> Save.

Creation of Lookup Relationship Field on Task Object :

29. Go to setup>> click on ObjectManager >> type object name(Task) in the search bar >> click on the object.
30. Nowclick on "Fields& Relationships" >>New
31. Select Lookuprelationship
32. Select the related object"Venue" and click next.
33. Field Name : SponsoredBy
34. Field label : Auto generated
35. Next>> Next >> Save.

Creation of Lookup Relationship Field on Task Object :

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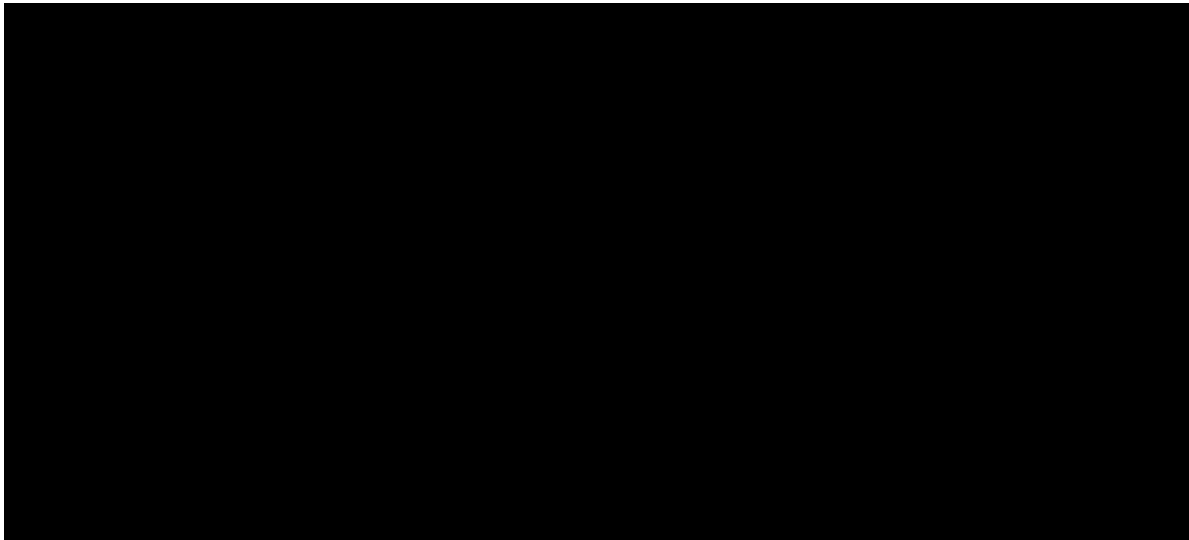42. Next>> Next >> Save.

Creation of fields for the Venue object

1. Go to setup>> click on Object Manager >>type object name(Venue) in search bar >> click on the object.
2. Now clickon "Fields & Relationships" >>New
3. Select Data type as a "Email"and Click on Next
4. Fillthe Above as following:

   a. FieldLabel : Contact Email

  b. FieldName : Contact Email

  c. Clickon required check box

  d. Clickon Next >>Next >> Save and new.

Tocreate 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 clickon "Fields & Relationships" >>New

7. Select Data type as a "Phone"and Click on Next

8. Fillthe Above as following:

  a. FieldLabel : Contact Phone

  b. FieldName : Contact Phone

  c. Clickon required check box

  d. Clickon Next >>Next >> Save and new.

Tocreate 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 clickon "Fields & Relationships" >>New

3. Select Data type as a "Geolocation" and Click on Next

4. Fillthe Above as following:

  a. FieldLabel : Location

  b. Decimal Places : 4

  c. FieldName : Location

  d. Description : Enter the Geolocation of your Venue

  e. Clickon Next >>Next >> Save and new.

Tocreate 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 clickon "Fields & Relationships" >>New
11. Select Data type as a "Long Text Area" and Click on Next
12. Fill the Above as following:

    a. FieldLabel : Venue Location

    b. FieldName : Venue_Location

    c. Clickon Next >>Next >> Save and new.

Creation of fields for the Drop-Offpoint object

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

1. Now clickon "Fields & Relationships" >>New
2. Select Data type as a "Geolocation" and Click on Next

3. Fill the Above as following:

    a. FieldLabel : Location 2

    b. FieldName : gets auto generated

    c. Description : Enter the Geolocation of the Drop off Point

    d. Geolocation Options : selectDecimal

e. Decimal Places : 4

f. Clickon Next >>Next >> Save and new.

Tocreate another fields in an object:

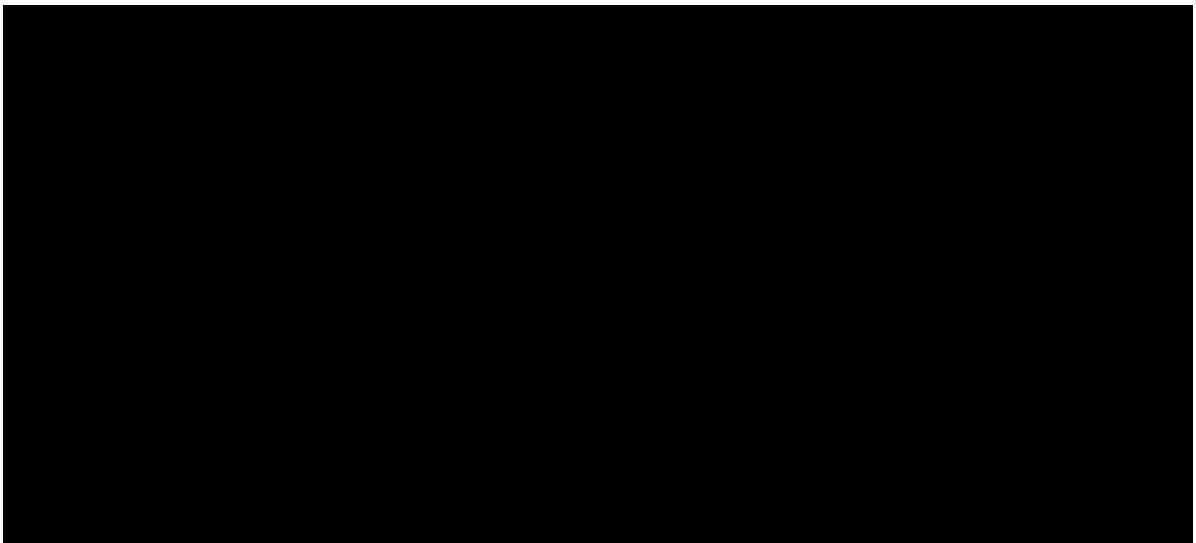1. Go to setup >> click on ObjectManager >> type object name(Drop-Off point) in search bar >>click on the object.
2. Now click on "Fields& Relationships" >>New
3. Select Data type as a "Formula" and Click on Next

4. Fill the Above as following:

    a. FieldLabel : distancecalculation

    b. FieldName : distance_calculation

    c. Formula Return Type : Number

    d. Formula Options : DISTANCE(Location_2__c , Venue__r.Location__c , 'km')

    e. Clickon Next >>Next >> Save and new.

Tocreate 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 clickon "Fields & Relationships" >>New
7. Select Data type as a "Picklist" and Click on Next
8. Fillthe Above as following:

    a. FieldLabel : State

    b. FieldName : State

    c. Enter values,with each valueseparated by a new line :

    Andhra Pradesh

    Arunachal Pradesh

    Assam

    Bihar

    Chhattisgarh

    Goa

Gujarat

Haryana

Himachal Pradesh

Jharkhad

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)

d. Clickon required check box

      e.   Clickon Next >>Next >> Save and new.

Tocreate another fields in an object:

9. Go to setup >>click on ObjectManager >> type object name(Task) in search bar >> click on the object.
10. Now clickon "Fields & Relationships" >>New
11. Select Data type as a "Number"and Click on Next
12. Fill the Above as following:
    - a. FieldLabel : Distance
    - b. FieldName : Distance
    - c. Length : 14
    - d. Decimal Places : 4
    - e. Clickon required check box
    - f. Clickon Next >>Next >> Save and new.

Creation of fields for the Task object

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

1. Now clickon "Fields & Relationships" >>New
2. Select Data type as a "Auto Number" and Click on Next

3. Fill the Above as following:

    a. FieldLabel : Task ID
    b. Display Format : TASK-{0}
    c. Starting Number : 1
    d. FieldName : gets auto generated
    e. Clickon required check box
    f. Clickon Next >>Next >> Save and new.

Tocreate another fields in an object:

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

4. Fill the Above as following:
    a. FieldLabel : Date
    b. FieldName : Date
    c. Clickon required check box
    d. Clickon Next >>Next >> Save and new.

Tocreate another fields in an object:

5. Go to setup >>click on ObjectManager >> type object name(Task) in search bar >> click on the object.
6. Now clickon "Fields & Relationships" >>New
7. Select Data type as a "Picklist (Multi-Select)" and Click on Next
8. Fillthe Above as following:
    a. FieldLabel : Food Category
    b. FieldName : Food Category
    c. Enter values,with each valueseparated by a new line :

      Veg
       Non-Veg Salad
       Snack

d. Clickon required check box

e. Clickon Next >>Next >> Save and new.

Tocreate another fields in an object:

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

10. Now clickon "Fields & Relationships" >>New

11. Select Data type as a "Number"and Click on Next

12. Fill the Above as following:
   a. FieldLabel : Numberof People Served

   b. FieldName : Number_of_People_Served

   c. Clickon required check box

   d. Clickon Next >>Next >> Save and new.

Tocreate another fields in an object:

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

14. Now clickon "Fields & Relationships" >>New

15. Select Data type as a "Text"and Click on Next

16. Fill the Above as following:
   a. FieldLabel : Name of the Person
   b. FieldName : Name_of_the_Person
   c. Clickon Next >>Next >> Save and new.

To create another fields in an object:

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

18. Now clickon "Fields & Relationships" >>New

19. Select Data type as a "Phone"and Click on Next

20. Fill the Above as following:
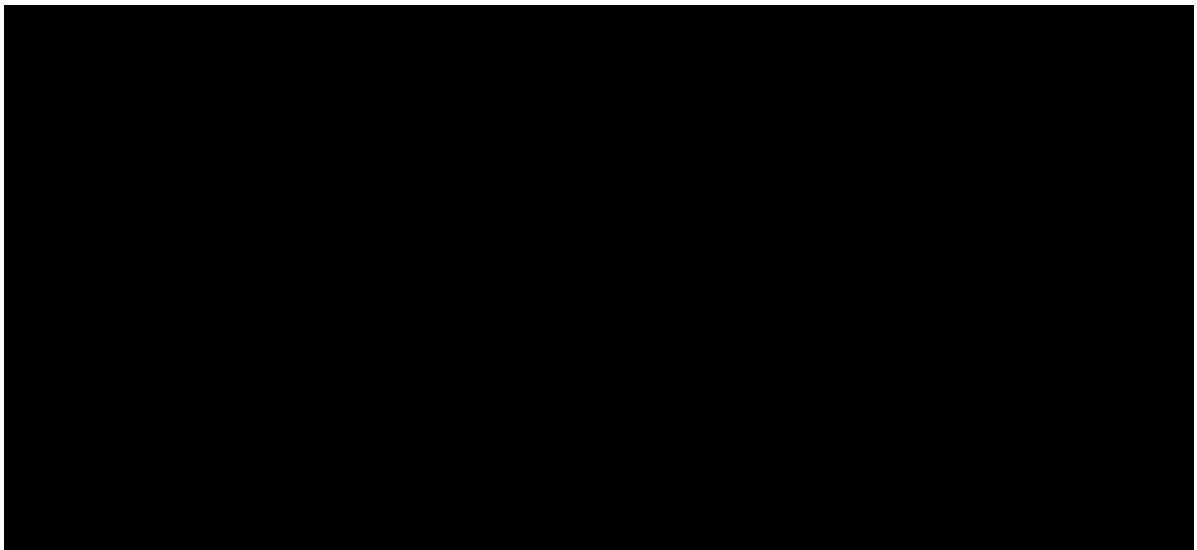   a. FieldLabel : Phone

   b. FieldName : Phone

      c.   Clickon Next >> Next>> Save and new.

Tocreate another fields in an object:

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

22. Now clickon "Fields & Relationships" >>New

23. Select Data type as a "Pick List" and Click on Next

24. Fill the Above as following:

      a.   FieldLabel : Rating

      b.   FieldName : Rating

      c.   Enter values,with each valueseparated by a new line :

        1

        2

        3

        4

        5

      d.   Clickon Next >>Next >> Save and new.

Tocreate another fields in an object:

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

26. Now clickon "Fields & Relationships" >>New

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

28. Fill the Above as following:

      a.   FieldLabel : Feedback

      b.   FieldName : Feedback

      c.   Clickon Next >>Next >> Save and new.

Creation of fields for the Volunteerobject

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

2. Now clickon "Fields & Relationships" >>New

3. Select Data type as a "Auto Number" and Click on Next

4. Fill the Above as following:

   a. FieldLabel : Volunteer ID
   b. FieldName : gets auto generated

c. Clickon required check box

d. Clickon Next >>Next >> Save and new.

e. Clickon Next >>Next >> Save and new.

Tocreate 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 clickon "Fields & Relationships" >>New

3. Select Data type as a "Picklist" and Click on Next

4. Fill the Above as following:

    a. FieldLabel : Gender

    b. FieldName : Gender

    c. Enter values,with each valueseparated by a new line : Female

Male

    d. Clickon Next >>Next >> Save and new.

Tocreate 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 clickon "Fields & Relationships" >>New

7. Select Data type as a "Date"and Click on Next

8. Fillthe Above as following:

    a. FieldLabel : Available On

    b. FieldName : Available On

    c. Clickon required check box

    d. Clickon Next >>Next >> Save and new.
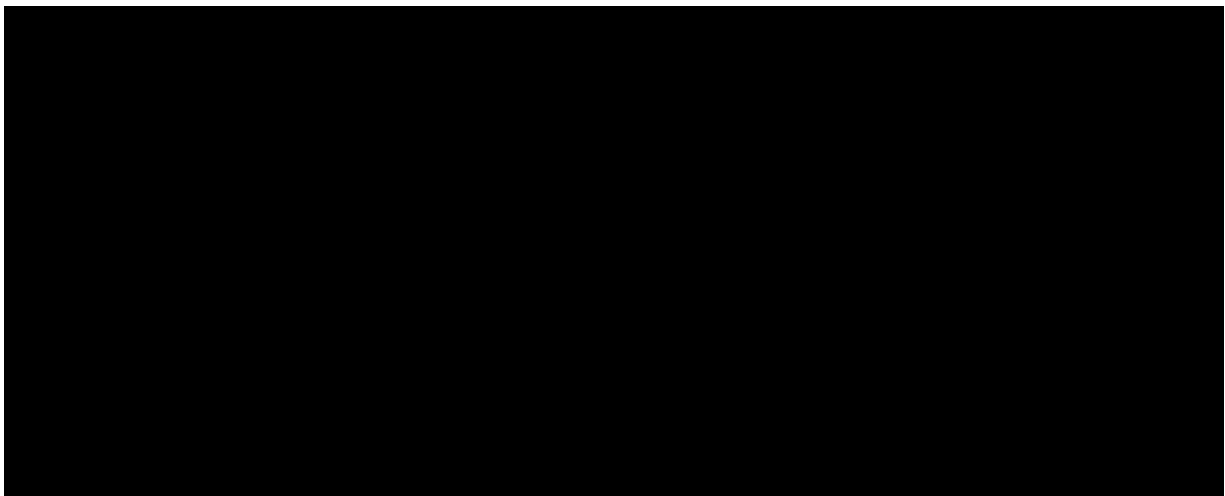
Tocreate another fields in an object:

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

10. Now clickon "Fields & Relationships" >>New

11. Select Data type as a "Number"and Click on Next

12. Fill the Above as following:

    a. FieldLabel : Age

    b. FieldName : Age

    c. Clickon required check box

    d. Clickon Next >> Next>> Save and new.

Tocreate another fields in an object:

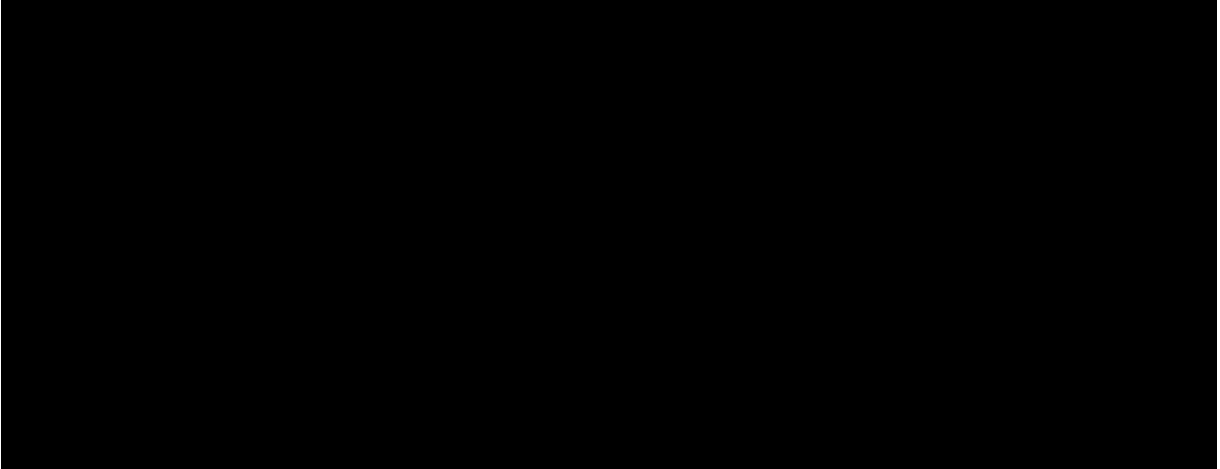13. Go to setup >>click on Object Manager >>type object name(Volunteer) in search bar >> click on the object.

14. Now clickon "Fields & Relationships" >>New

15. Select Data type as a "Email"and Click on Next

16. Fill the Above as following:

    a. FieldLabel : Email

    b. FieldName : Email

    c. Clickon required check box

    d. Clickon Next>> Next >> Save and new.

Tocreate 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 clickon "Fields & Relationships" >>New

19. Select Data type as a "Number"and Click on Next

20. Fill the Above as following:

    a. FieldLabel : Contact Number

    b. FieldName : Contact_Number

    c. Clickon required check box

    d. Clickon 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 clickon "Fields & Relationships" >>New

23. Select Data type as a "Text Area (Long)"and Click on Next

24. Fill the Above as following:

    a. FieldLabel : Address

    b. FieldName : Address

    c. Clickon Next >>Next >> Save and new.

Tocreate 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 clickon "Fields & Relationships" >>New

27. Select Data type as a "Date"and Click on Next

28. Fill the Above as following:

    a. FieldLabel : Date of Birth

    b. FieldName : Date_of_Birth

    c. Clickon Next >>Next >> Save and new.

Creation of fields for the ExecutionDetails object

1. Go to setup >> click on Object Manager >>type object name(Volunteer) in search bar >> click on the object.
2. Now clickon "Fields & Relationships" >>New
3. Select Data type as a "Auto Number" and Click on Next

4. Fill the Above as following:
   a. FieldLabel : Execution ID
   b. FieldName : gets auto generated
   c. Clickon required check box
   d. Clickon Next >>Next >> Save and new.
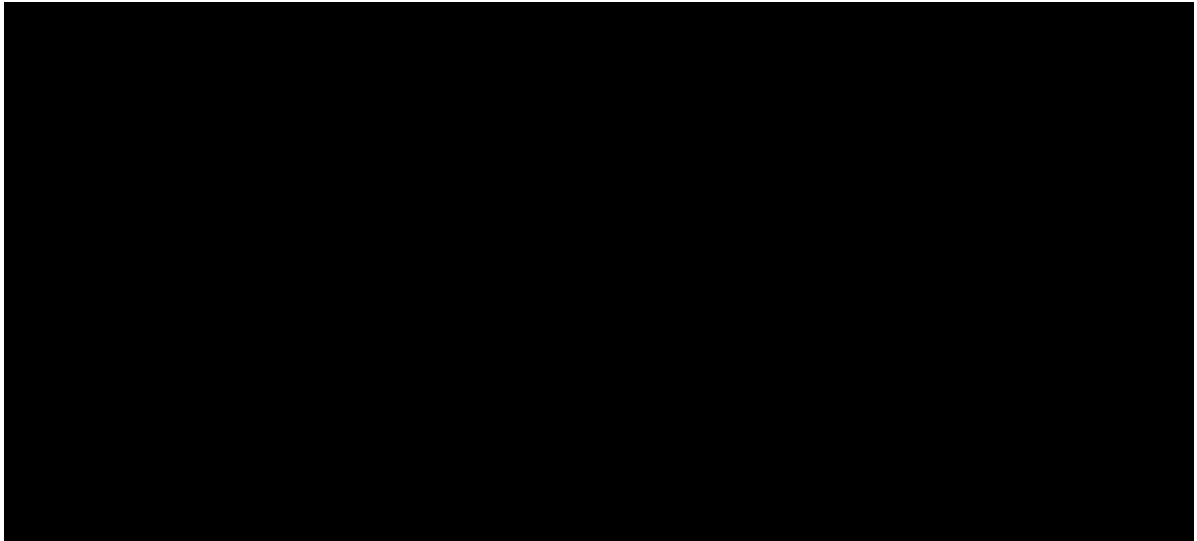
TASK 6: FLOWS

Create Flow to createa 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.
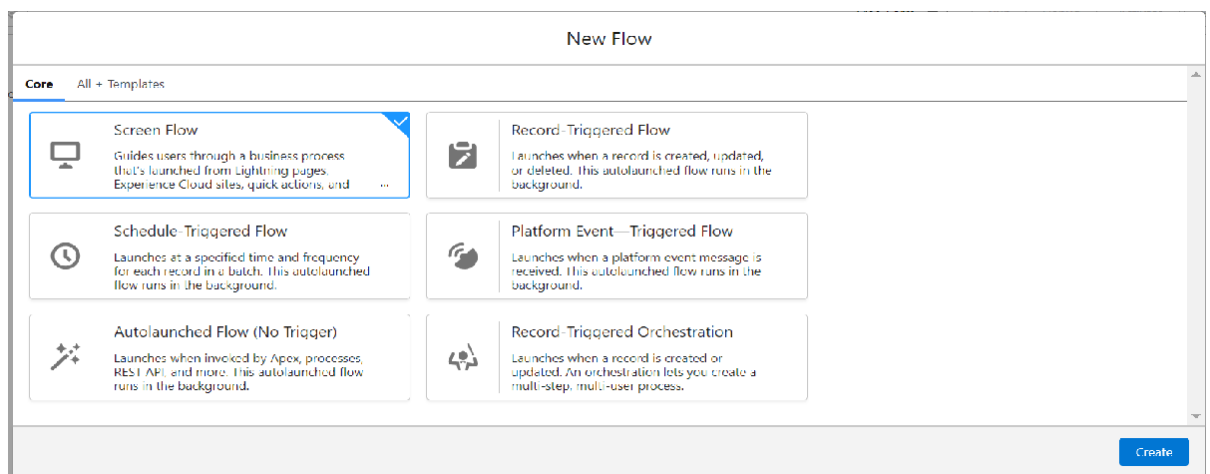
3. Click on the '+' icon in between start and end, and click on screenelement.

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 Componentand 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
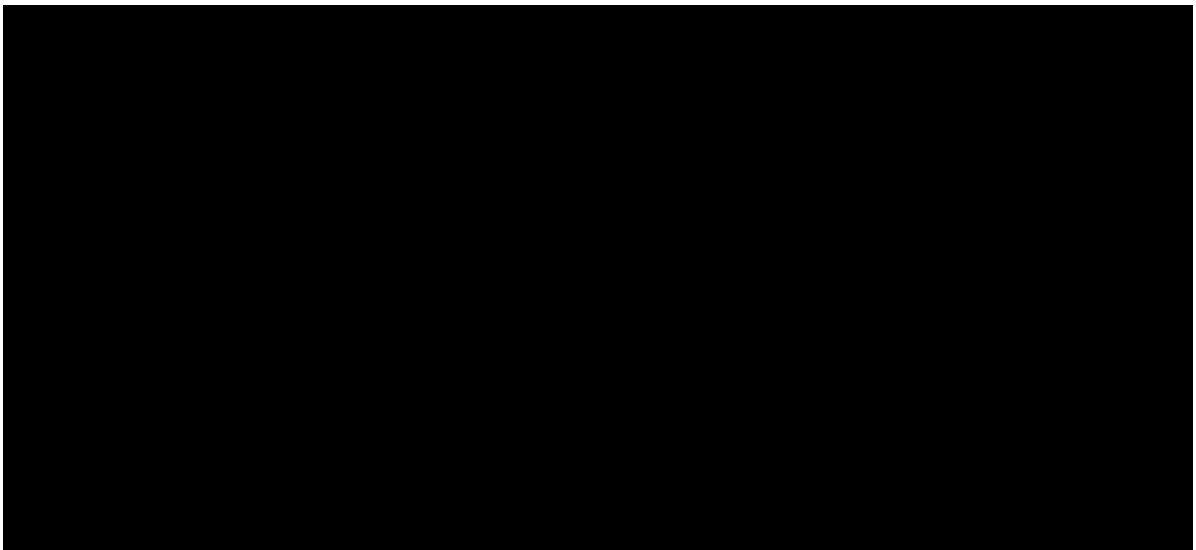
12. Click on the '+' icon in between Venuedetails and end, and clickon create record element.
13. Now label it as
    Label : Create VenueRecord API Name : Create_Venue_Record

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How Many Recordsto Create : One

How to Set the RecordFields : Use separate resources, and literal values
Object : Venue

Set Field Valuesfor the Venue: Click on 'Add Field'5 times Field : Value =
Contact_Email_c : {!Contact_Email.value} Field : Value = Contact_Phone_
c : {!Contact_Phone.value} Field : Value = Name : {!Venue_Name}
Field : Value = Venue_Location__c : {!location}

Field : Value = Location_Latitude_s : {!latitude} Field : Value= Location_
Longitude_s : {!longitude}

14. This would look like:
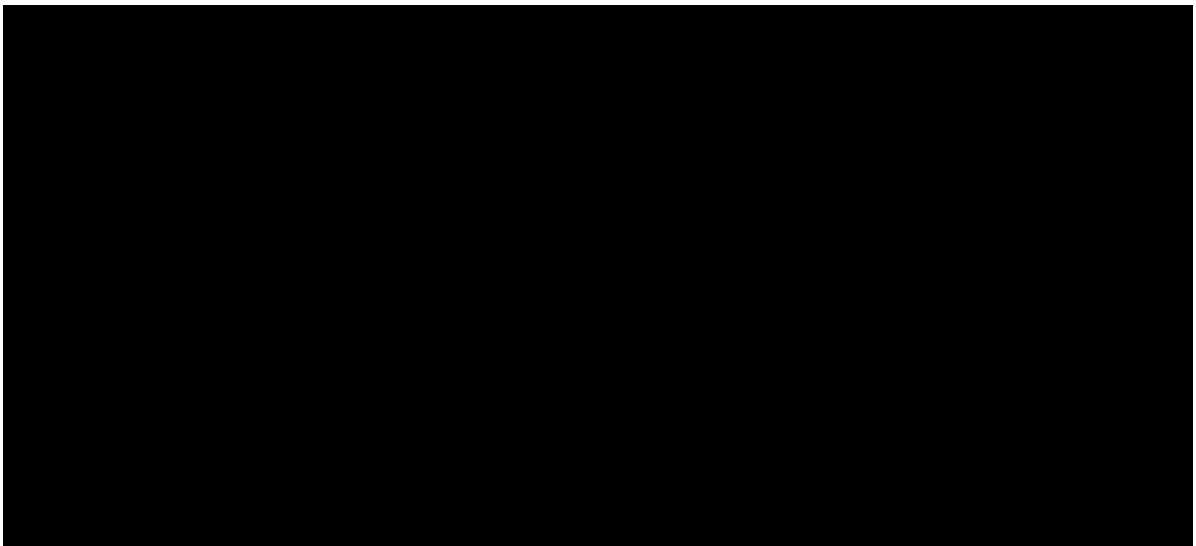
15. Click on Save as:
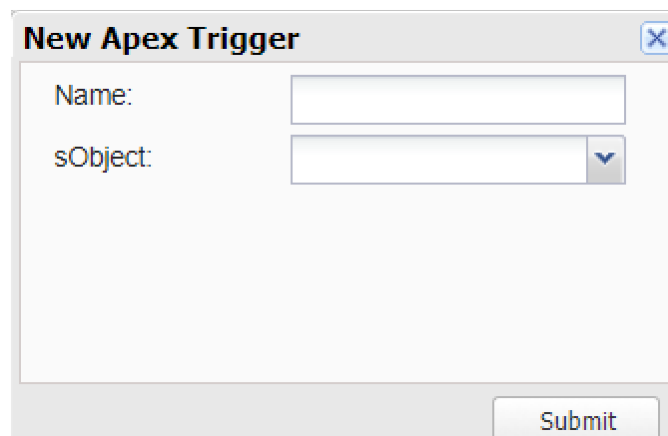
Flow Label : Venue Form Flow API Name : Venue_Form

TASK 7: Trigger

Create a Trigger

1. Log into the trailhead account, navigate to the gear icon in the top right corner.

2. Click on developer consoleand you will be navigated to a new console window.
3. Click on the File menu in the toolbar,and click on new >>Trigger.
4. Enterthe trigger name and the object to be triggered.
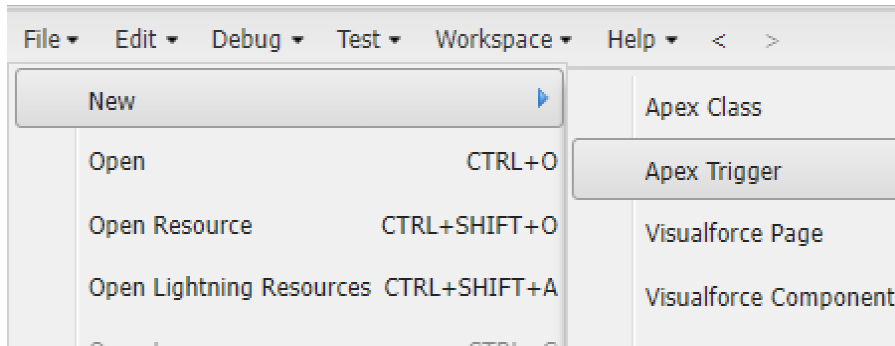
5. Enter Name : DropOffTrigger sObject: Drop-Off Point
6. Click on Submit.

Trigger Code

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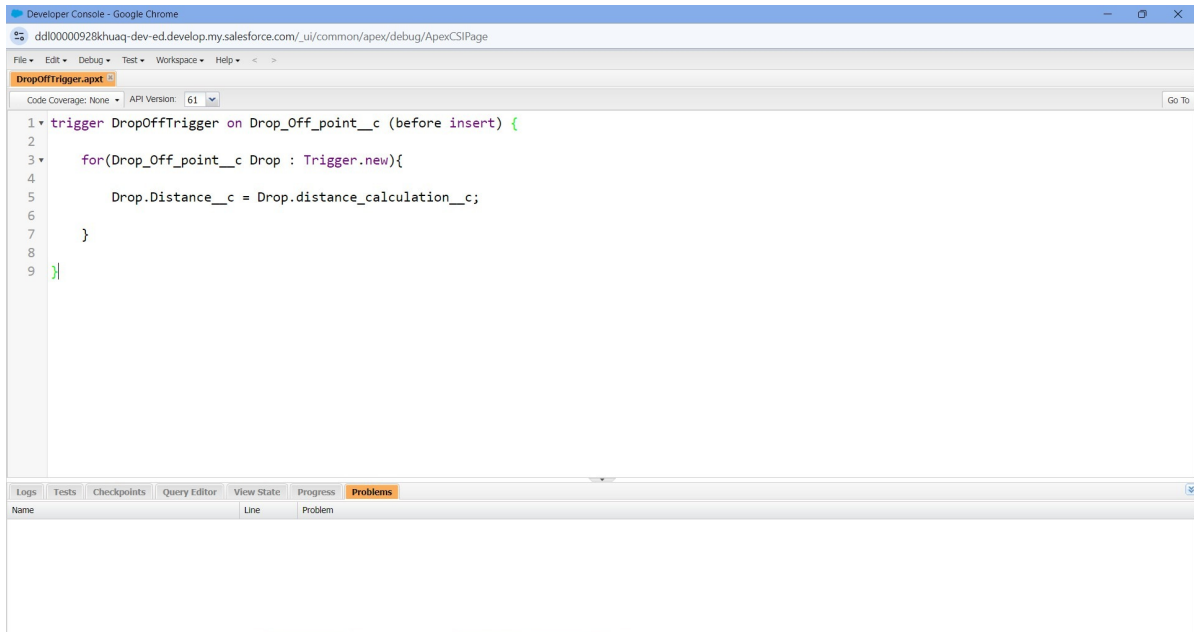
Code:

```
trigger 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 besideStandard Platform User.
3. Under Clone Profile:

    Profile Name : NGOs Profile

1. Then click on Save.
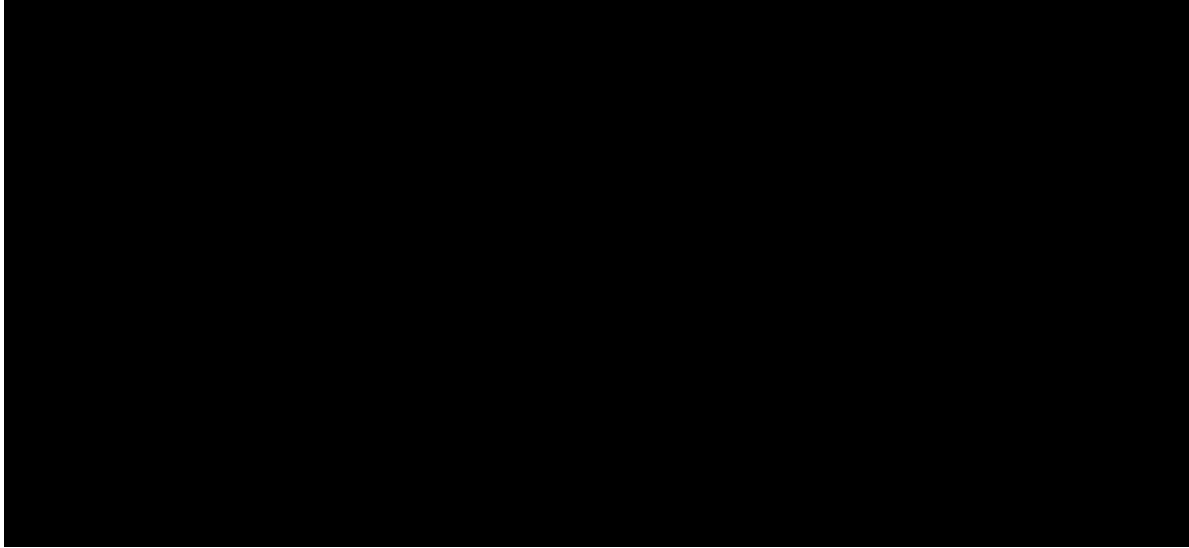
TASK 9 : Creationof Users

In our Projectwe consider them as NGO's

Creation of User1

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

> First Name : IkshaFoundation 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
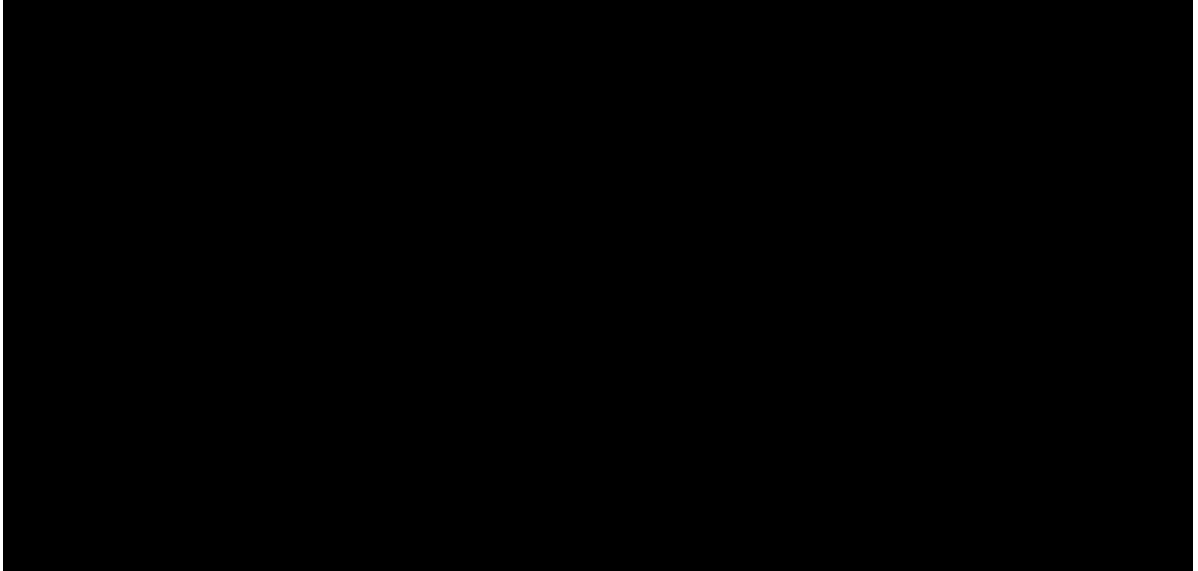
3. Click on Save

Creation of User2, User3

Create another Two Users by following stepsin Activity - 1 with similar User License and Profile.

Give Different First Name, Last Name based on DifferentNGO's.
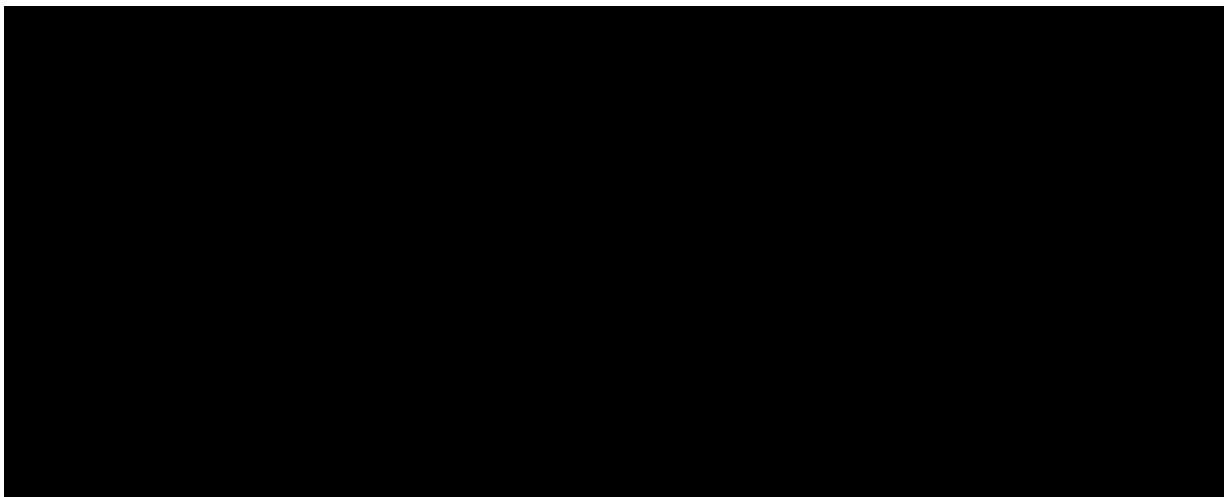
TASK 10:Public Groups

Creation of Public Group1

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 SelectedMembers Add Iksha Foundation and System Administrator
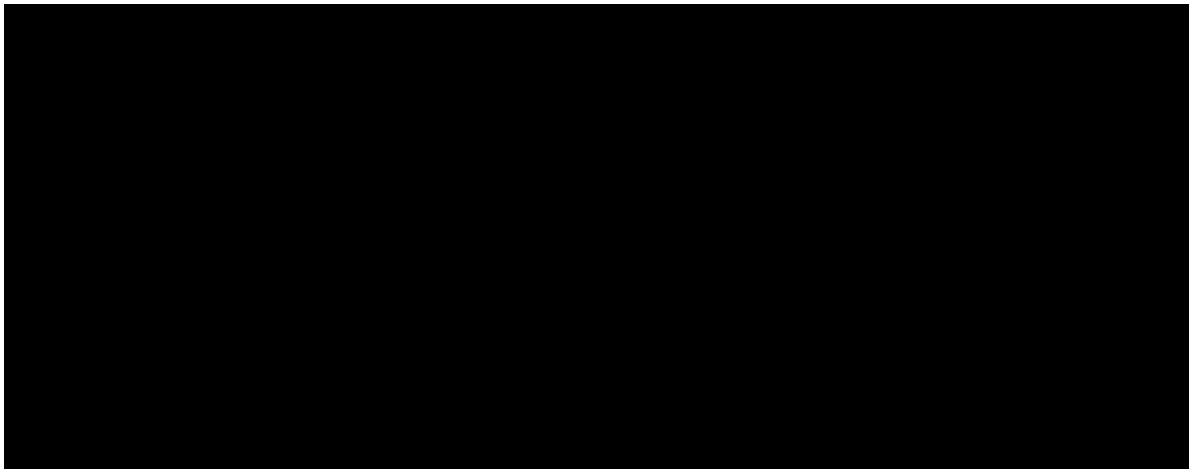

Creation of Public Group2

1. By Following Steps in Activity1, Create othertwo Public Groupsfor other two users.
2. After Savingthis would look like this.
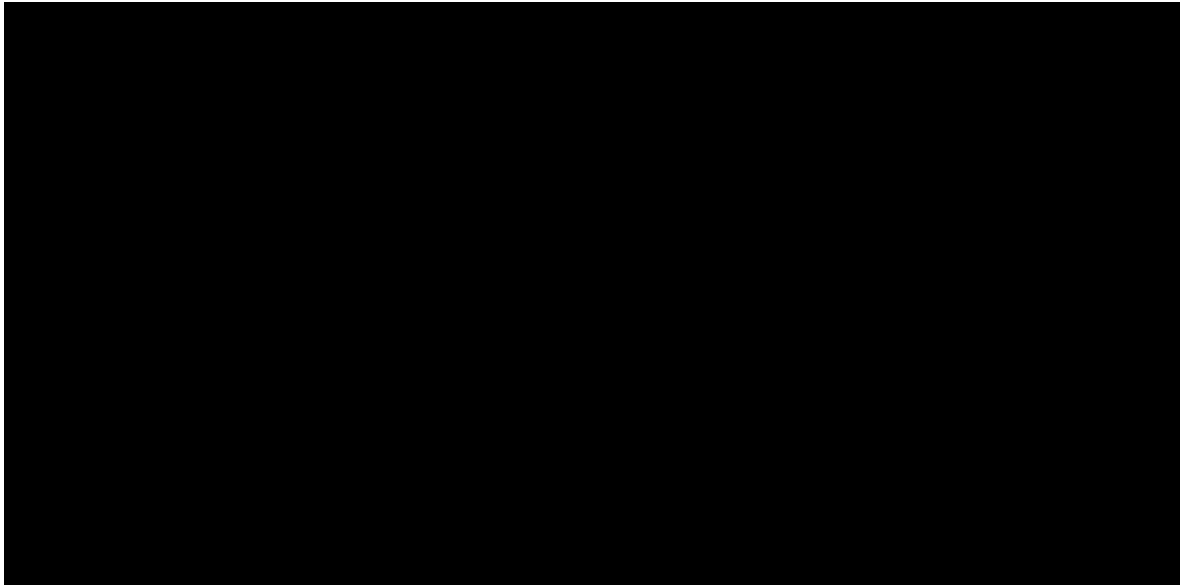
TASK 11: Report Types

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 Definethe Custom ReportType: 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 OtherReports Deployment Status : Deployed

3. Click on Next

4. Near Click to relateanother Object SelectDrop-Off Points.

5. And also select "A" records may or may not have related "B" records.

6. Now againNear Click to relate anotherObject Select Volunteers.
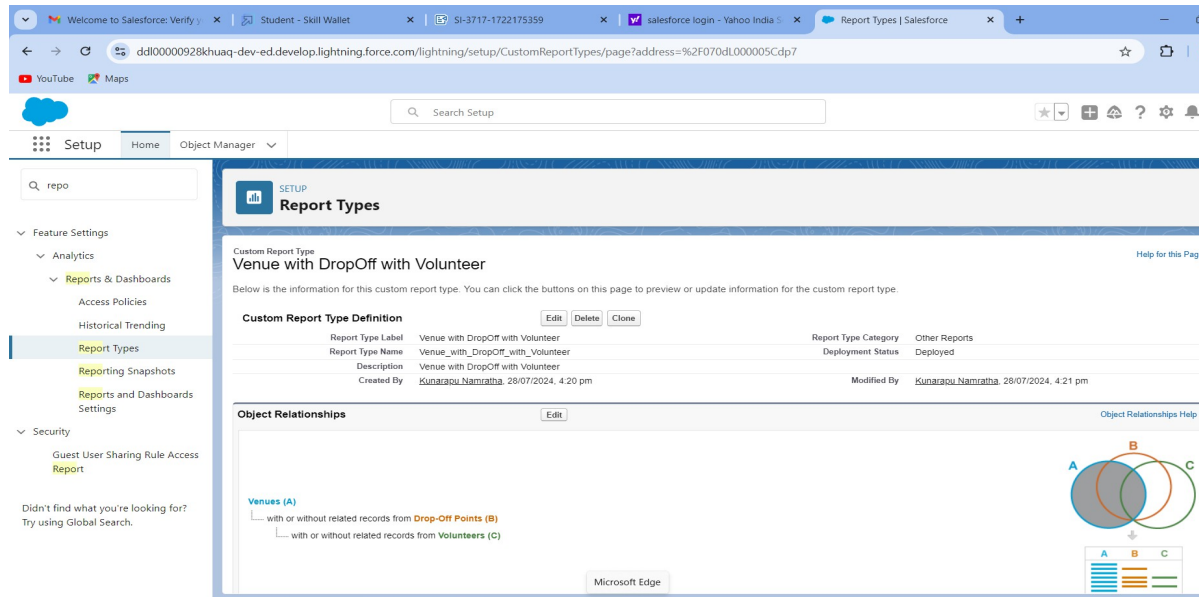
Now click on Save.

TASK 12:Reports

Creation of Report on Venue with DropOff with Volunteer

1. Go to the app(FoodConnect) >> click on the reportstab
2. Click on New Folder.

> Folder Label : Custom Reports

> Folder Unique Name : CustomReports

3. Open CustomReports and click on New Report
4. Select ReportType : Venue with DropOffwith Volunteer
5. Thenclick on Start Report.

6. In GROUPROWS : Add Volunteer Name
7. In Columns : Add Venue Name, Drop-Offpoint Name, Distance.

8. Now click on Save & Run.
9. GiveLabel as :
10. Report Name : venue and Drop Off point

11. Report UniqueName : Auto Populated
12. Click on Select Folderand select CustomReport, then clickon Save.
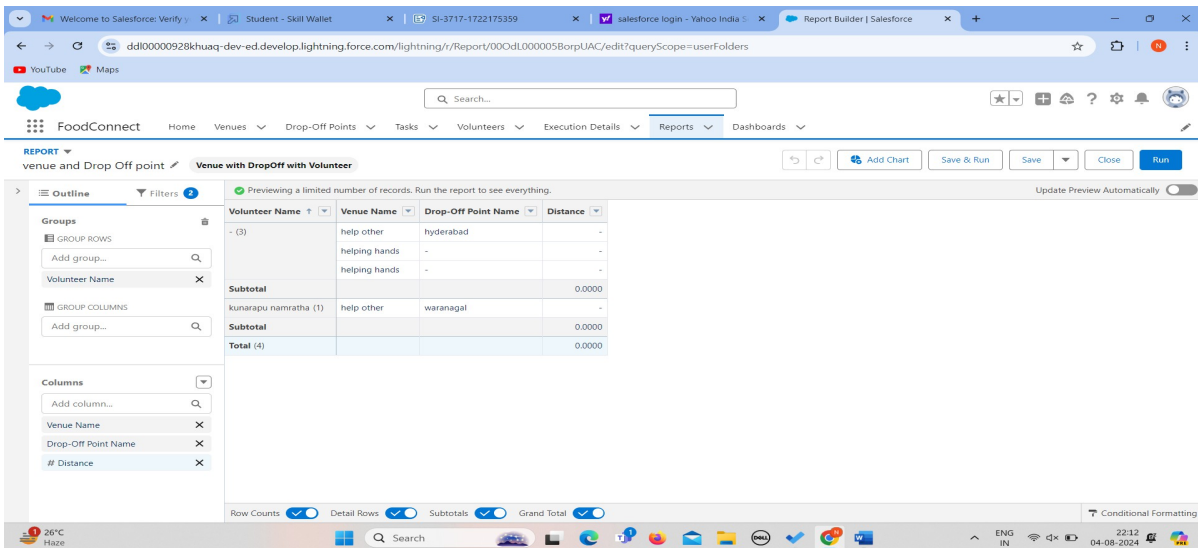
Creation of Report on Volunteers with Execution Detailsand Tasks

1. Go to the app(FoodConnect) >> click on the reportstab
2. Click on Custom ReportsFolder and click on New Report
3. Select ReportType : Volunteers with Execution Details and Tasks.
4. Thenclick on Start Report.
5. In GROUP ROWS : Volunteer ID
6. In Columns: Add Volunteer : VolunteerName, Task : Task Name, Execution Detail : Execution Detail Name, Volunteer: Owner Name, Task: Date, Task : Rating.
7. Now click on Save & Run.
8. GiveLabel as :

    Report Name : Volunteer Task

    Report Unique Name : Auto Populated
1. Clickon Select Folderand select CustomReport, then clickon Save.
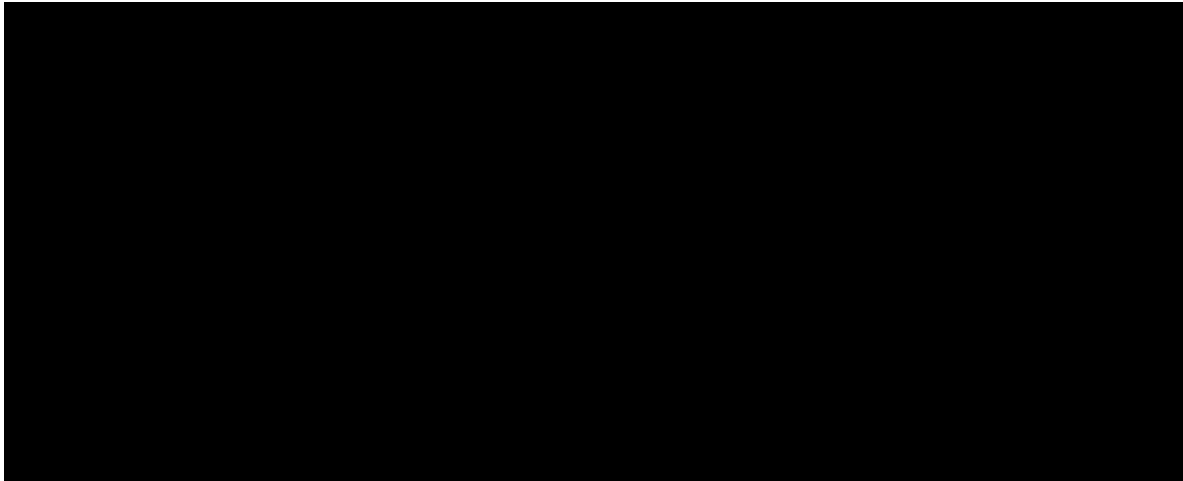
TASK 13:Dashboards

Adding venue and Drop Off pointReport to the Dashboard

1. Go to the app(FoodConnect) >> click on the Dashboards tab.

2. Click on New Folder.

   Folder Label : Custom Dashboards Folder UniqueName : Auto Populated

3. Open CustomDashboards and click on New Dashboards

4. Name : Organization Details

5. Click on Widget and select Chart or Table

6. In SelectReport : Selectvenue and Drop Off point Report.

7. Then click on select

8. In Add Component:

   Display As : Select Lightning Table

   Component Theme : Select Dark (Optional)

Now click on save.

Adding Volunteer Task Report to the Dashboard

1. Click on Widget and select Chart or Table

2. In SelectReport : SelectVolunteer Task Report.

3. Then click on select

4. In Add Component:

    Display As : Select Line Chart

    Component Theme : Select Dark (Optional)

Now click on save.

Adding a Picture to the Dashboard (Optional):

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

1. Click on Widget and select Image.Then click on Browse Files.
2. Then Selectthe Picture you want to upload in this Dashboard.
3. Then clickon Save As :

   Name : Task Execution Details

   Click on Select Folder and select Custom Dashboards
4. Clickon Select Folder and then Save.
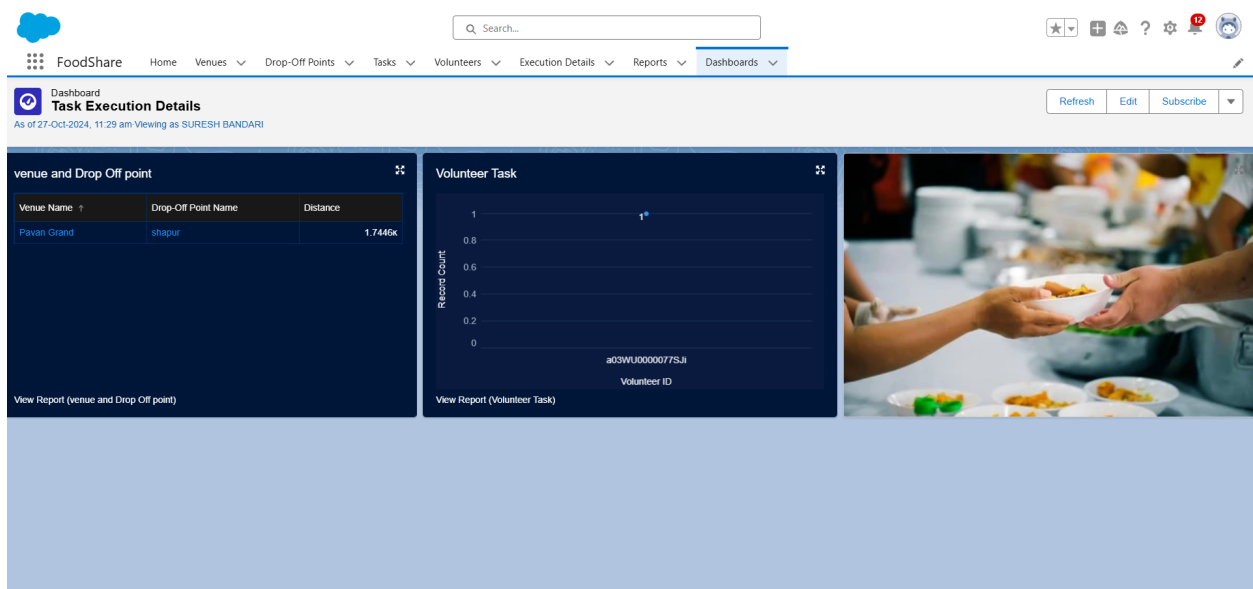
TASK 14: Sharing Rules

Creation of sharing rules

1. Go to setup >>type Sharing Settingsin 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 Rulesand Name it as: Label : Rule 1

   Rule Name : Rule_1

4. Select your rule type : SelectBased 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. Clickon new near Drop-Off point Sharing Rulesand Name it as:

   Label : Rule 2

   Rule Name : Rule_2

9. Select your rule type : SelectBased on criteria.

10. Select whichrecords 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 Rulesand Name it as: Label : Rule 3

   Rule Name : Rule_3

14. Select your rule type : SelectBased on criteria.

15. Select whichrecords 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.
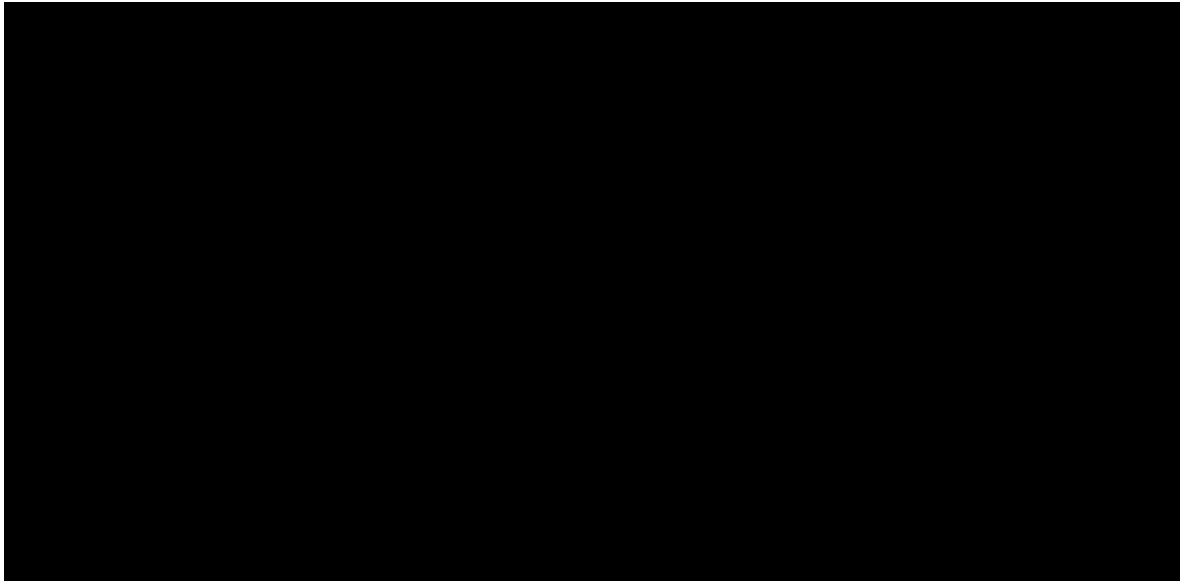
TASK 15:Home Page

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 StandardHome Page.
4. NearComponents search for Flow and Drag and Drop in Right Side Section..

5. On the right hand side:

           Flow : VenueFlow

6. Near Components search for Dashboard, then Drag and Drop it in first Section.
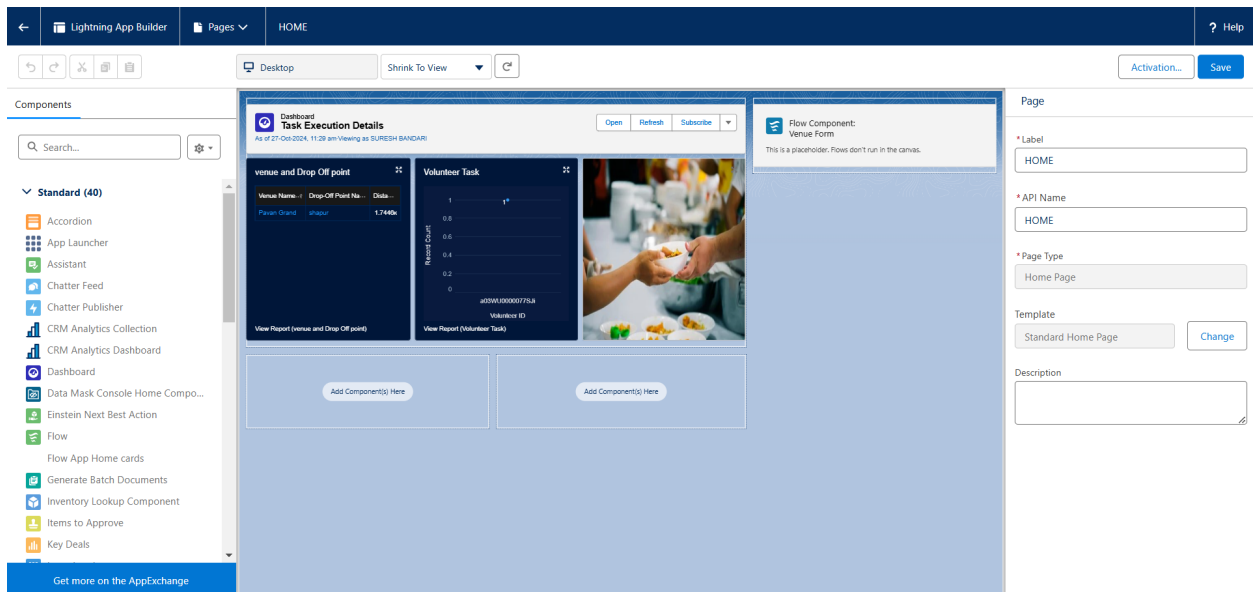
7. Click on Save and Activation, then click on App Default,then Add Assignments.

8. Add FoodConnect App and then Save.
9. FoodConnect Home Page would Look Like this.
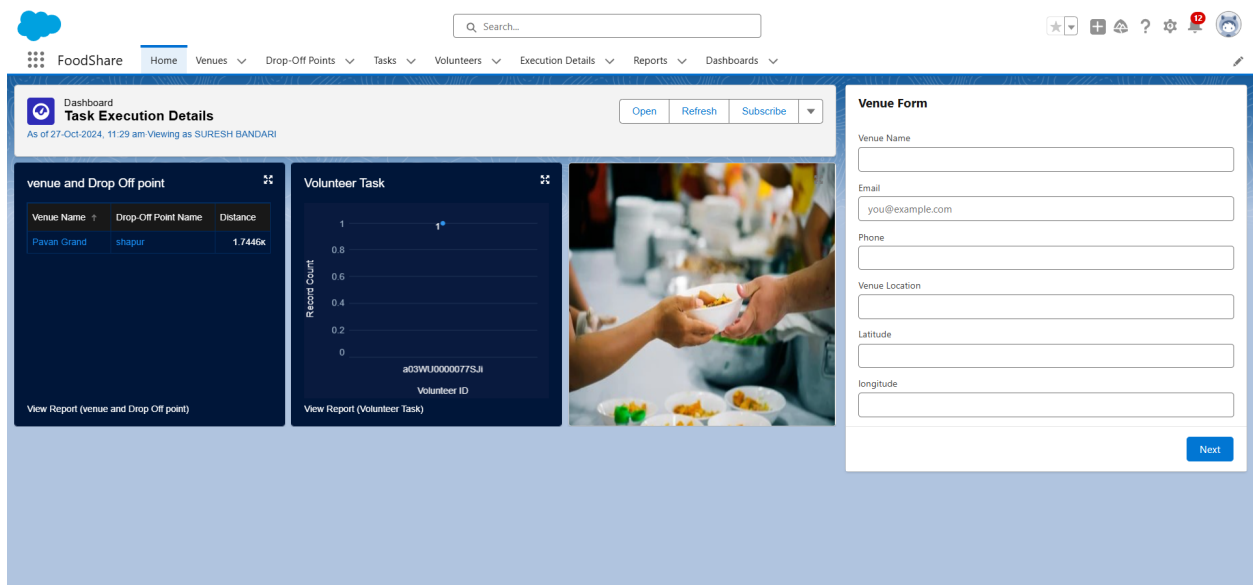
Conclusion

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.