Salesforce Project

Sharing surplus: Nourishing Those in Need(To supply left over food)

Developed By

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ABSTACT

The **Food Donation App in Salesforce** is designed to efficiently connect food donors, volunteers, and recipients, creating a streamlined solution to manage surplus food donations and distribution. Donors, whether individuals, restaurants, or grocery stores, can list food items available for donation, set expiration dates, and track donation status, ensuring timely and safe distribution. Volunteers are assigned tasks, such as food pickup, sorting, or delivery, with automated notifications for smooth coordination. This feature makes it easy for volunteers to participate and complete their tasks efficiently, supporting seamless movement of food from donors to those in need.

Recipient organizations, including community centers and nonprofits, can log food requests and track available resources, allowing donations to be matched quickly with areas of greatest need. The app's real-time dashboards and reporting provide actionable insights into donation volumes, volunteer participation, and the impact of distribution efforts. Leveraging Salesforce's capabilities, the Food Donation App brings transparency, efficiency, and scalability to food donation initiatives, helping reduce food waste and strengthen food security efforts in local communities.

This app leverages Salesforce's powerful automation tools, like Flows and Process Builder, to streamline each step of the donation process, from initial registration to final distribution. Automated workflows help assign volunteer tasks based on availability and proximity, while notifications keep donors, volunteers, and recipients updated on task progress and donation status. Additionally, the app's scalability allows it to adapt as donation volumes increase or new communities are included, making it a versatile solution for both local and larger-scale food donation efforts. Through its comprehensive approach, the Food Donation App fosters community engagement, making it easier for organizations to reduce waste and distribute food where it's needed most.

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INTRODCTION

Donating food to those in need is a simple yet impactful way to combat hunger and support vulnerable communities. Millions of people face food insecurity daily, struggling to access nutritious meals, while surplus food often goes to waste. By donating food, whether from individuals, businesses, or community drives, we can bridge this gap, reduce waste, and ensure food reaches those who need it most. Food donations help nourish children, families, and individuals, fostering a stronger, more compassionate community. In addition to meeting immediate needs, food donations contribute to long-term health and stability for recipients, offering hope and support in times of difficulty.

Food donation is not only about providing meals; it's about creating a network of care and resilience. When individuals, restaurants, grocery stores, and farms come together to share surplus food, it makes a tangible difference in the lives of people who may be facing unexpected financial hardships, homelessness, or unemployment. Organizations like food banks, shelters, and local charities rely on these donations to serve their communities consistently.

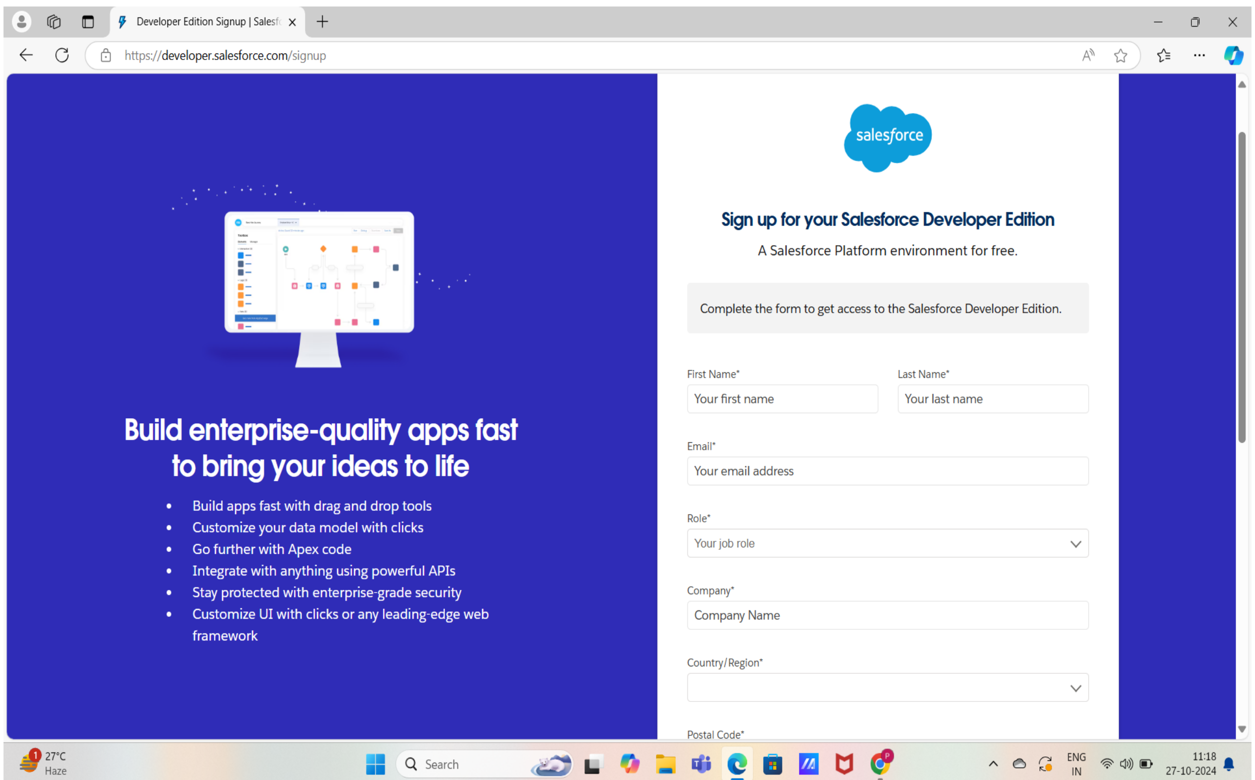
By reducing food waste and redistributing it to those in need, food donation efforts also contribute to environmental sustainability by lowering the amount of food that ends up in landfills, thereby reducing greenhouse gas emissions. Additionally, food donation helps raise awareness of the broader issue of hunger and encourages others to contribute, volunteer, or participate in food recovery initiatives. This collective approach has the power to create a lasting impact on hunger and food security, building a more inclusive, sustainable, and caring society.

TASK 1: Salesforce developer account creation

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 :

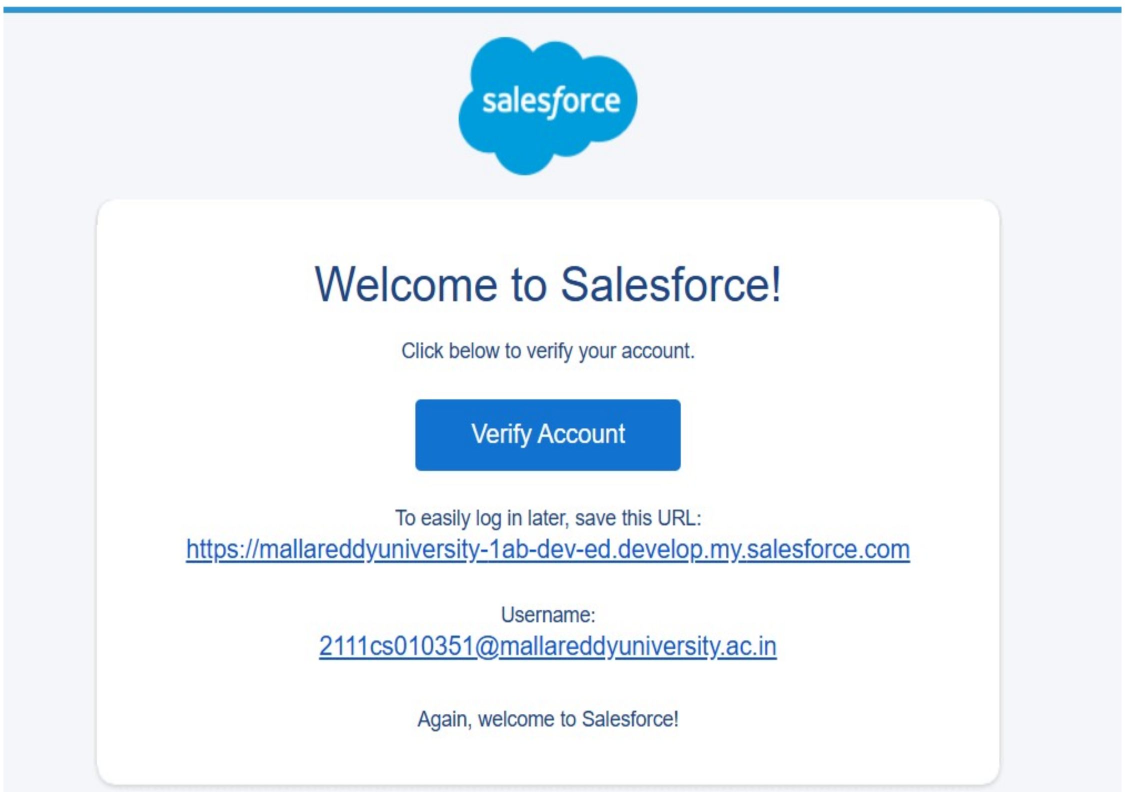


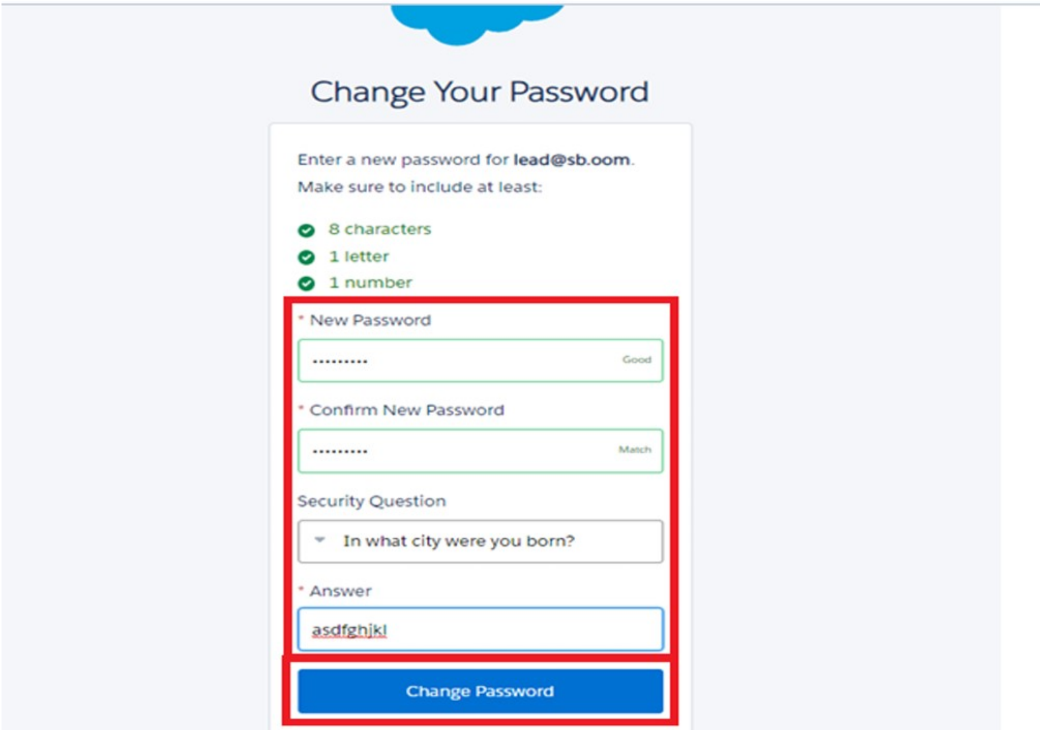
1. First name & Last name
2. Email
3. Role : Developer
4. Company : College or Company Name
5. County : India
6. Postal Code : pin code
7. Username : should be a combination of your name and company

Click on sign me up after filling these.

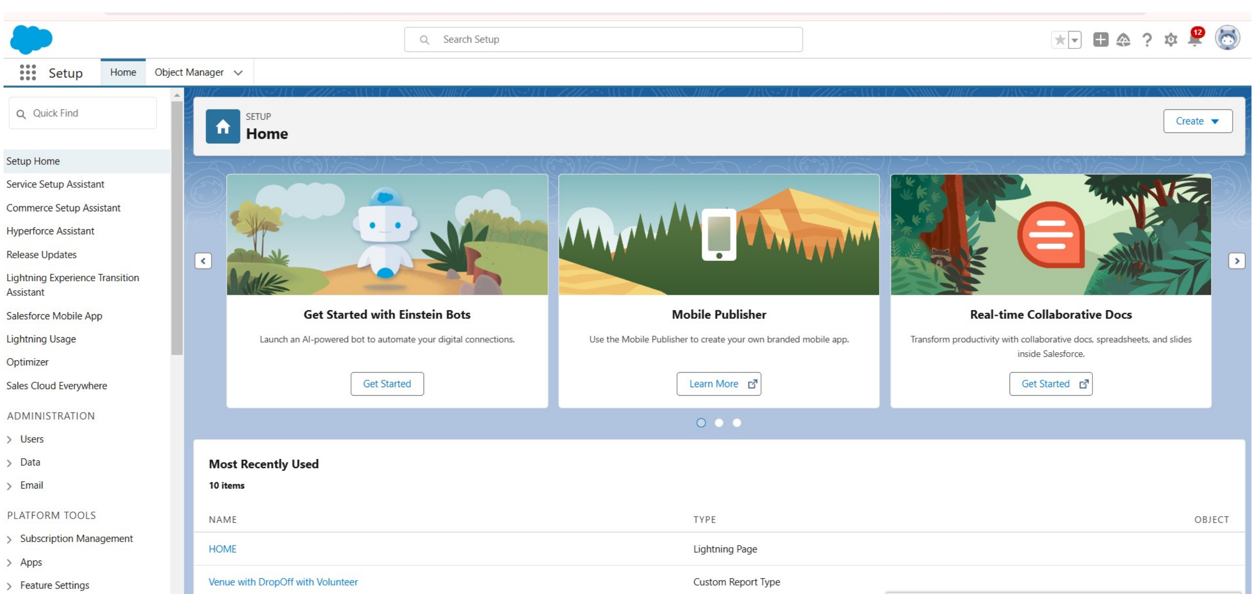
Account Activation

1. Go to the inbox of the email that you used while signing up. Click on the verifyaccount 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. Then you will redirect to your salesforce set.

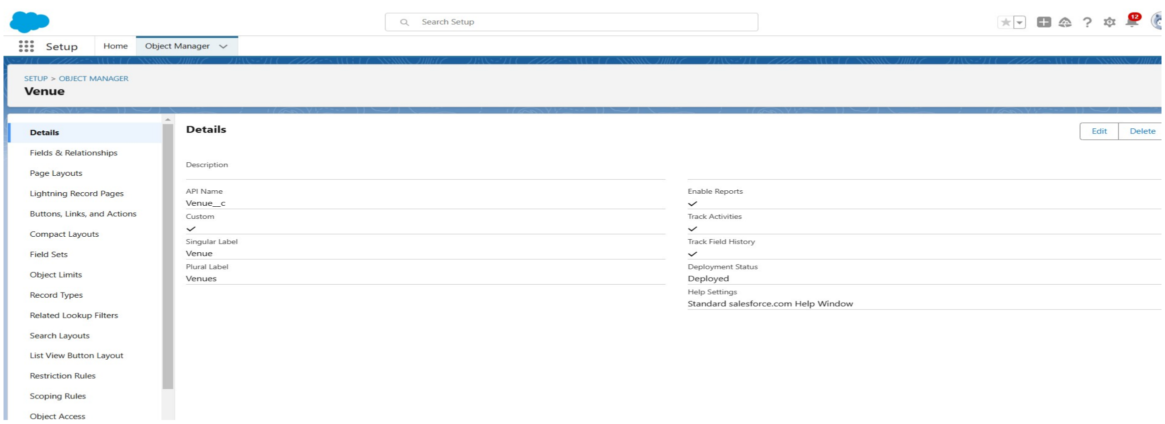


TASK 2: Objects creation

Create Venue Object

To create an object:

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

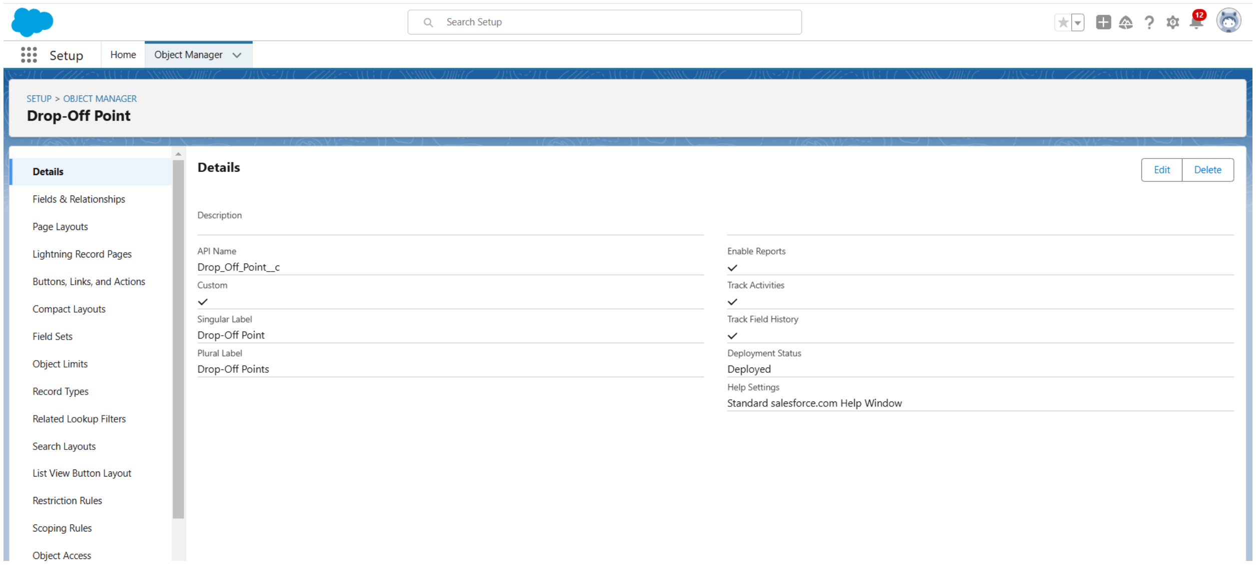


Create Drop-Off Point Object

To create an object:

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

3.Allow search >> Save.



Create Task Object

To create an object:

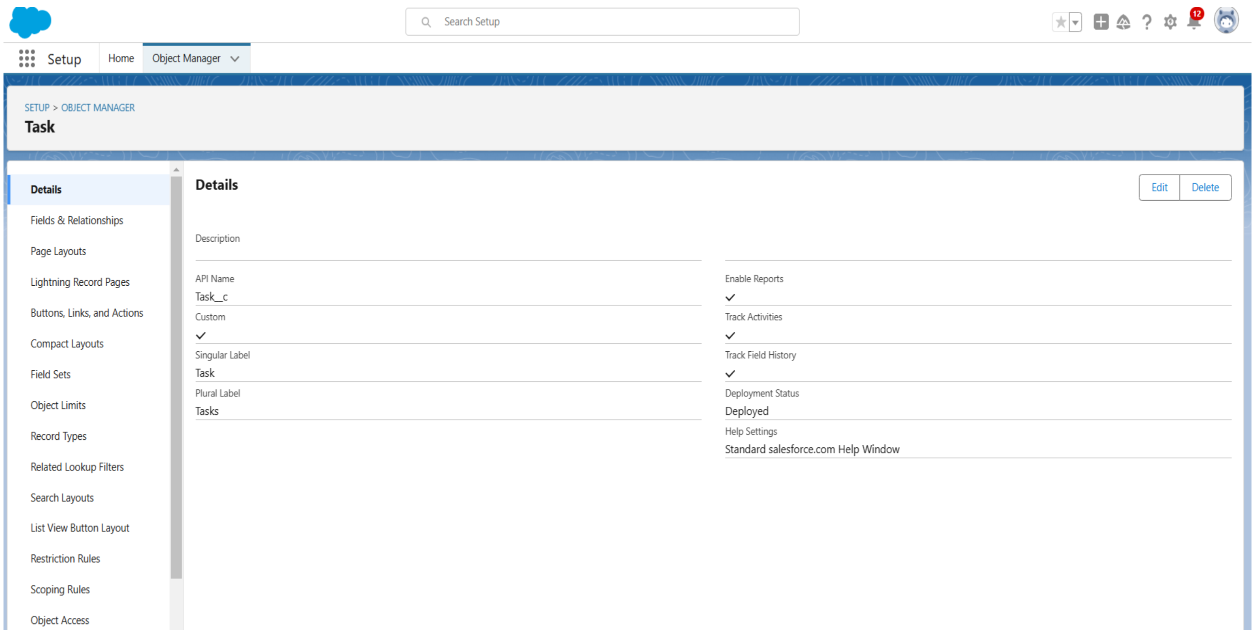
1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.

1. Enter the label name>> Task
2. Plural label name>> Tasks
3. Enter Record Name Label and Format

● Record Name >> Task Name

● Data Type >> Text

2. Click on Allow reports and Track Field History,Allow Activities
3. Allow search >> Save



Create Volunteer Object

To create an object:

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

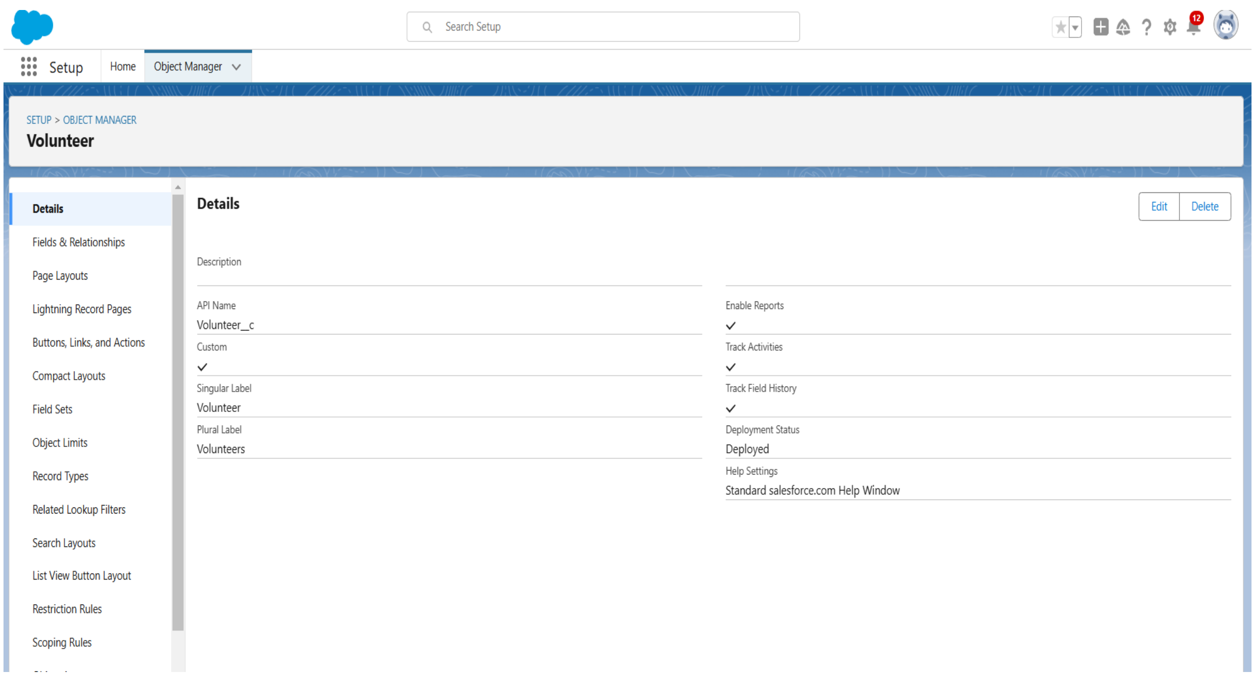
1. Enter the label name>> Volunteer
2. Plural label name>> Volunteers
3. Enter Record Name Label and Format

● Record Name >> Volunteer Name

● Data Type >> Text

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

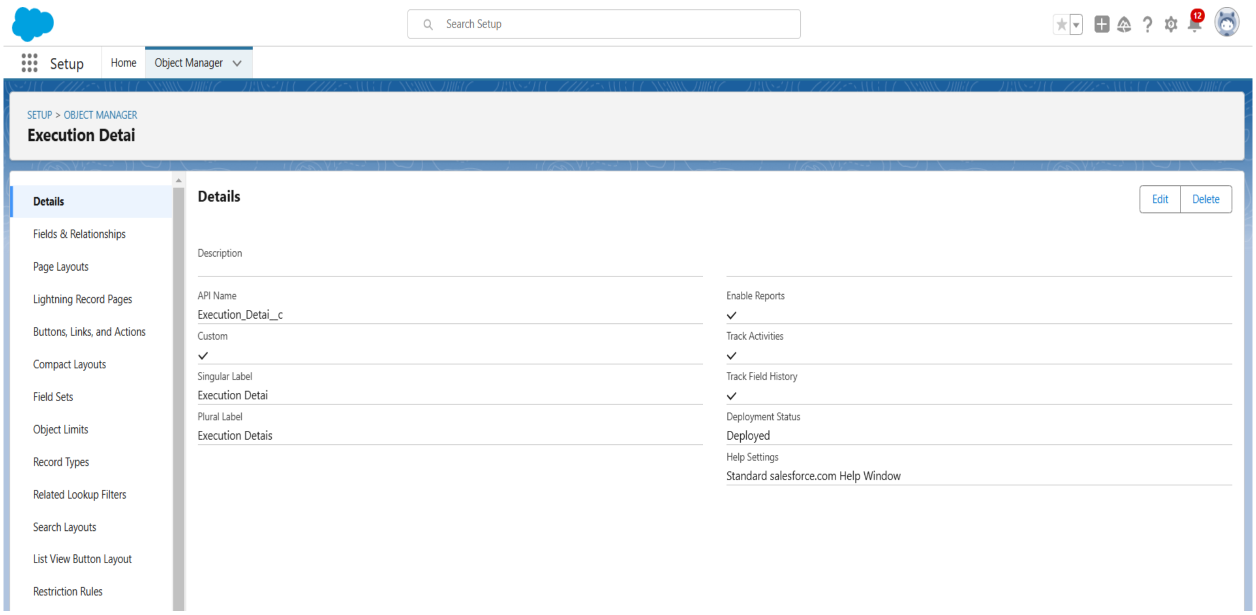
3.Allowsearch>>Save.



Create Execution Details Object

To create an object:

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



TASK 3: Tabs

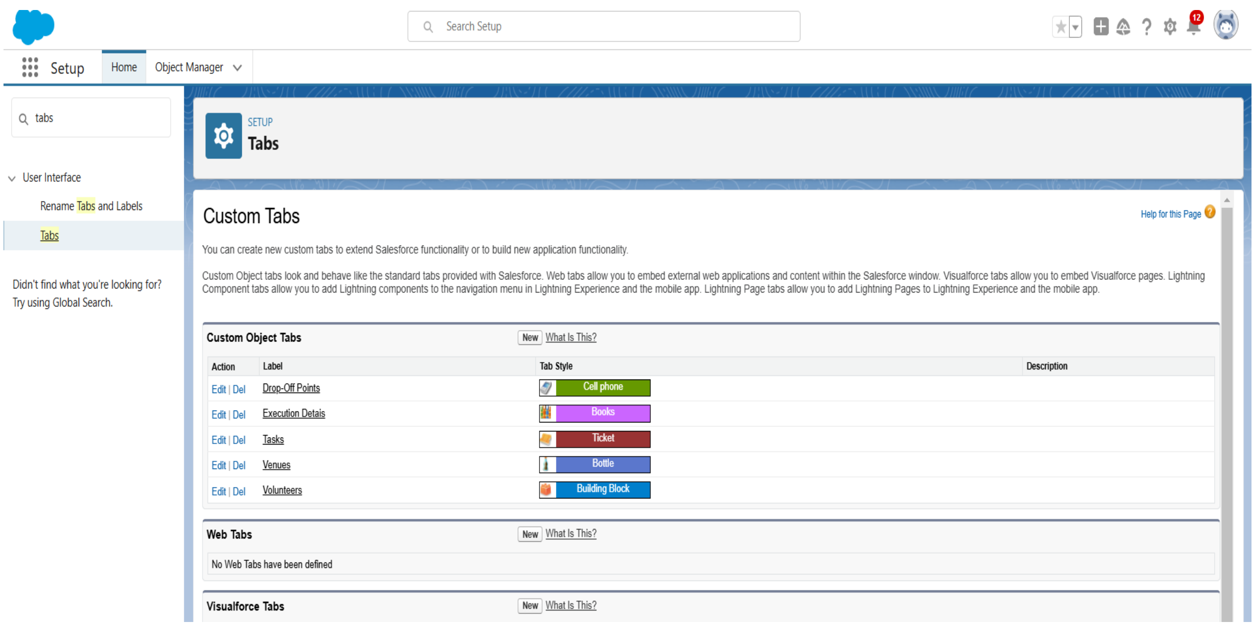
What is Tab : A tab is like a user interface that is used to build records for objects and to view the records in the objects

Creating a Custom Tab

To create a Tab:(Venue)
Go to setup page >> type Tabs in Quick Find bar >> click on tabs >> New (under custom object tab)
1. Select Object(Venue) >> Select the tab style >> Next (Add to profiles page) keep it as default >> Next (Add to Custom App) uncheck the include tab .
2. Make sure that the Append tab to users' existing personal customizations is checked.
3. Click save.

Creating Remaining Tabs

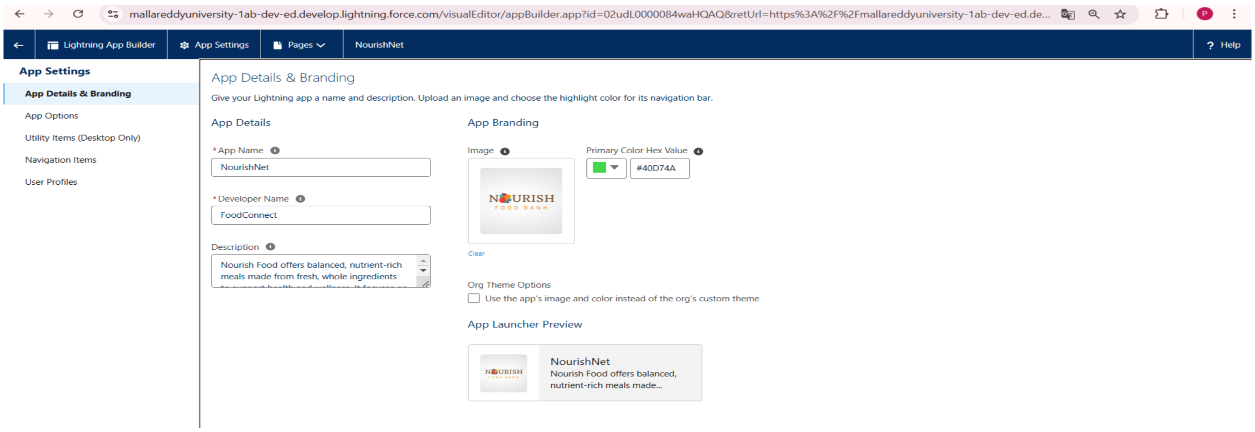
1. Now create the Tabs for the remaining Objects, they are “Drop-Off Point, Task, Volunteer, Execution Details”.
2. Follow the same steps as mentioned in above Activity.

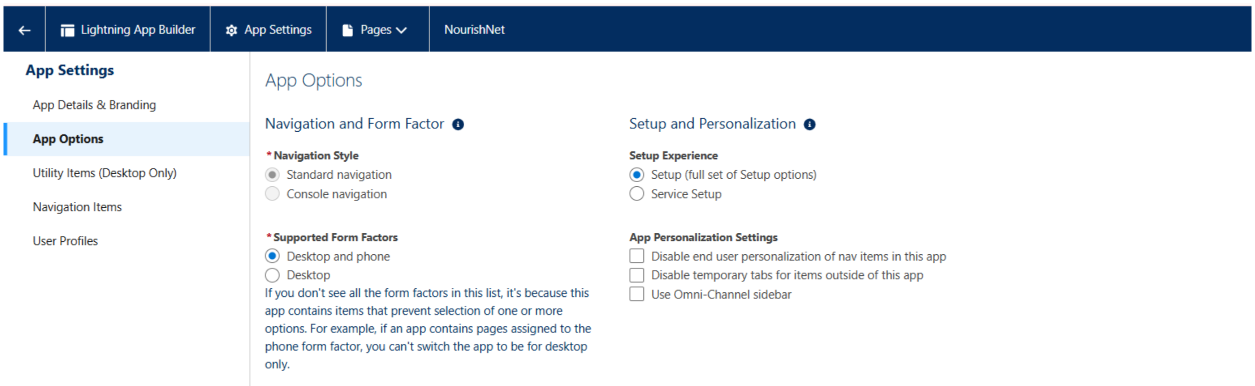


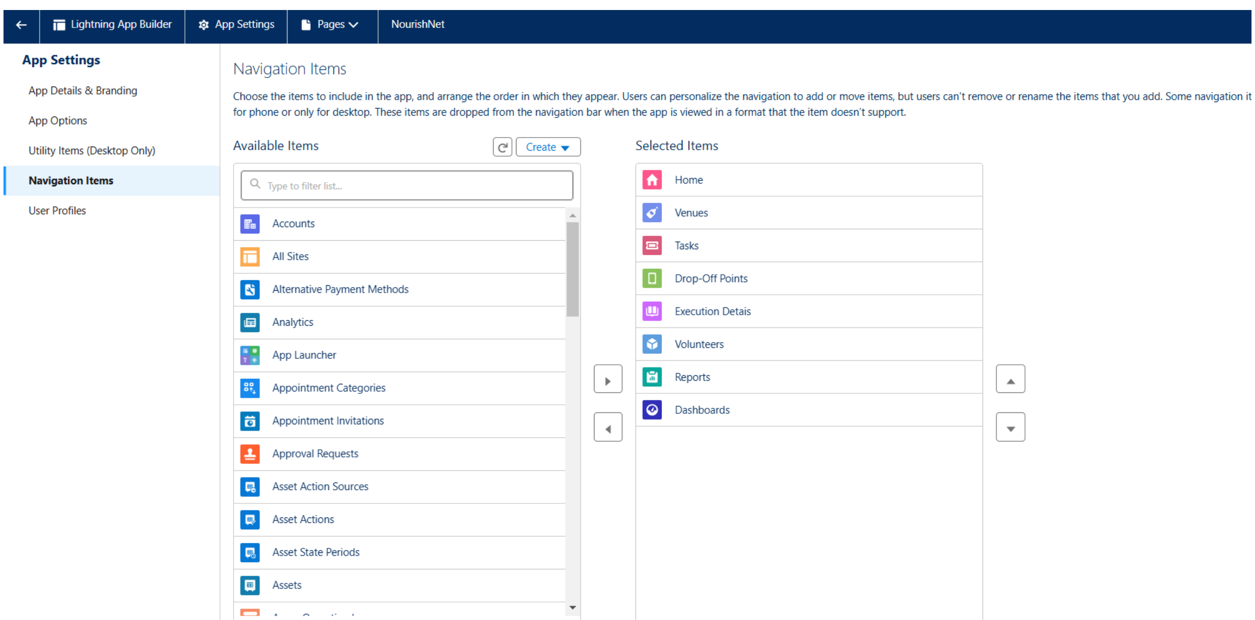
TASK 4: The Lightning App

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 :NourishNet 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.


mallareddyuniversity-1ab-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?id=02udL0000084waHQAQ&retUrl=https%3A%2F%2Fmallareddyuniversity-1ab-dev-ed.de...
Lightning App Builder
App Settings
Pages
NourishNet
Help
App Settings
App Details & Branding
App Options
Utility Items (Desktop Only)
Navigation Items
User Profiles
App Details & Branding
Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.
App Details
*App Name
NourishNet
*Developer Name
FoodConnect
Description
Nourish Food offers balanced, nutrient-rich meals made from fresh, whole ingredients
App Branding
Image
Primary Color Hex Value
#40D74A
Clear
Org Theme Options
Use the app's image and color instead of the org's custom theme
App Launcher Preview
NourishNet
Nourish Food offers balanced, nutrient-rich meals made...


Lightning App Builder
App Settings
Pages
NourishNet
App Settings
App Details & Branding
App Options
Utility Items (Desktop Only)
Navigation Items
User Profiles
App Options
Navigation and Form Factor
*Navigation Style
Standard navigation
Console navigation
*Supported Form Factors
Desktop and phone
Desktop
If you don't see all the form factors in this list, it's because this app contains items that prevent selection of one or more options. For example, if an app contains pages assigned to the phone form factor, you can't switch the app to be for desktop only.
Setup and Personalization
Setup Experience
Setup (full set of Setup options)
Service Setup
App Personalization Settings
Disable end user personalization of nav items in this app
Disable temporary tabs for items outside of this app
Use Omni-Channel sidebar


Lightning App Builder
App Settings
Pages
NourishNet
App Settings
App Details & Branding
App Options
Utility Items (Desktop Only)
Navigation Items
User Profiles
Navigation Items
Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation it for phone or only for desktop. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support.
Available Items
Create
Type to filter list...
Accounts
All Sites
Alternative Payment Methods
Analytics
App Launcher
Appointment Categories
Appointment Invitations
Approval Requests
Asset Action Sources
Asset Actions
Asset State Periods
Assets
Selected Items
Home
Venues
Tasks
Drop-Off Points
Execution Detais
Volunteers
Reports
Dashboards

TASK 5: Fields creation

Creation of Relationship fields in objects

Creation of Lookup Relationship Field on Volunteer Object :

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in the search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Master Detail relationship 4. Select the related object “Drop-Off point” and click next.
5. Field Name : Drop_Off_point
6. Field label : Auto generated
7. Next>>Next>>Save.

Creation of Master Detail Relationship Field on Execution Details Object :

8. Go to setup >> click on Object Manager >> type object name(Execution Details) in the search bar >> click on the object.
9. Now click on “Fields & Relationships” >> New
10. Select Master Detail relationship
11. Select the related object “Volunteer” and click next.
12. Field Name : Volunteer
13. Field label : Auto generated
14 .Next>>Next>>Save.

Creation of Master Detail Relationship Field on Execution Details Object :

15. Go to setup >> click on Object Manager >> type object name(Execution Details) in the search bar >> click on the object.
16. Now click on “Fields & Relationships” >> New
17. Select Master Detail relationship
18. Select the related object “Task” and click next.
19. Field Name : Task
20. Field label : Auto generated
21. Next >> Next >> Save

Creation of Lookup Relationship Field on Drop-Off Point Object :

22. Go to setup >> click on Object Manager >> type object name(Task) in the search bar >> click on the object.
23. Now click on "Fields & Relationships" >> New
24. Select Lookup relationship
25. Select the related object "Drop-Off Point" and click next.
26. Field Name : Venue
27. Field label : Venue__c
28. Next >> Next >> Save.

Creation of Lookup Relationship Field on Task Object :

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

Creation of Lookup Relationship Field on Task Object :

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

Creation of fields for the Venue object

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

2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Email” and Click on Next
4. Fill the Above as following:
● Field Label : Contact Email
● Field Name : Contact Email
● Click on required check box
● Click on Next >> Next >> Save and New.

To create another fields in an object:

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

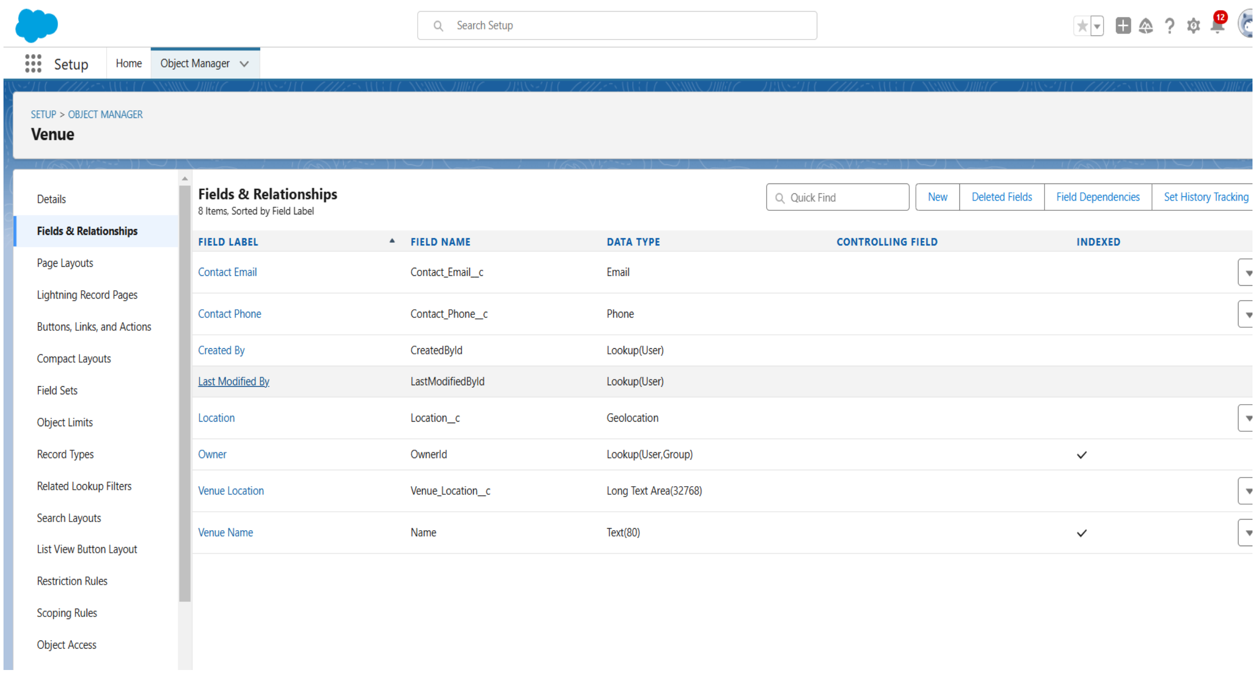
To create another fields in an object:

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

To create another fields in an object:

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

11. Select Data type as a “Long Text Area” and Click on Next
12. Fill the Above as following:
● Field Label : Venue Location
● Field Name : Venue_Location
● Click on Next >> Next >> Save and new.



Creation of fields for the Drop-Off point object

Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Geolocation” and Click on Next
4. Fill the Above as following:
● Field Label : Location 2
● Field Name : gets auto generated
● Description : Enter the Geolocation of the Drop off Point
● Geolocation Options : select Decimal
● Decimal Places : 4
● Click on Next >> Next >> Save and new.

To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name(Drop-Off point) in 20

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.

To create another fields in an object:

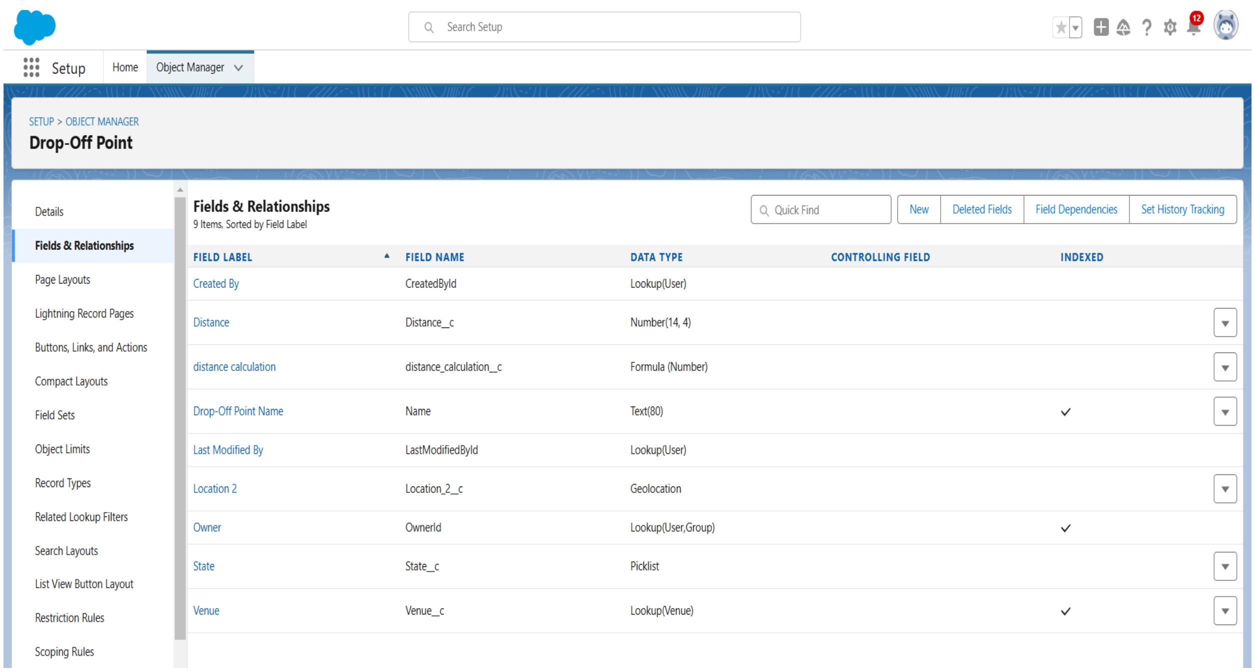
5. Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New
7. Select Data type as a “Picklist” and Click on Next
8. Fill the Above as following:
● Field Label : State ● Field Name : State
● Enter values, with each value separated by a new line :
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jharkhand
Karnataka
Kerala
Maharashtra
Madhya Pradesh
Manipur
Meghalaya
Mizoram
Nagaland

Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Tripura
Telangana
Uttar Pradesh
Uttarakhand
West Bengal
Andaman & Nicobar (UT)
Chandigarh (UT)
Dadra & Nagar Haveli and Daman & Diu (UT)
Delhi [National Capital Territory (NCT)]
Jammu & Kashmir (UT)
Ladakh (UT)
Lakshadweep (UT)
Puducherry (UT)
● Click on required check box ● Click on Next >> Next >> Save and new.

To create another fields in an object:

9. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
10. . Now click on "Fields & Relationships" >>New
11. Select Data type as a "Number" and Click on Next
12. Fill the Above as following:

● Field Label : Distance
● Field Name : Distance
● Length : 14
● Decimal Places : 4
● Click on required check box
● Click on Next >> Next >> Save and new.



Creation of fields for the Task object

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

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

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

To create another fields in an object:

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

3. Select Data type as a “Date” and Click on Next
4. Fill the Above as following:
● Field Label : Date
● Field Name : Date
● Click on required check box
● Click on Next >> Next >> Save and new.

To create another fields in an object:

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

To create another fields in an object:

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

To create another fields in an object:

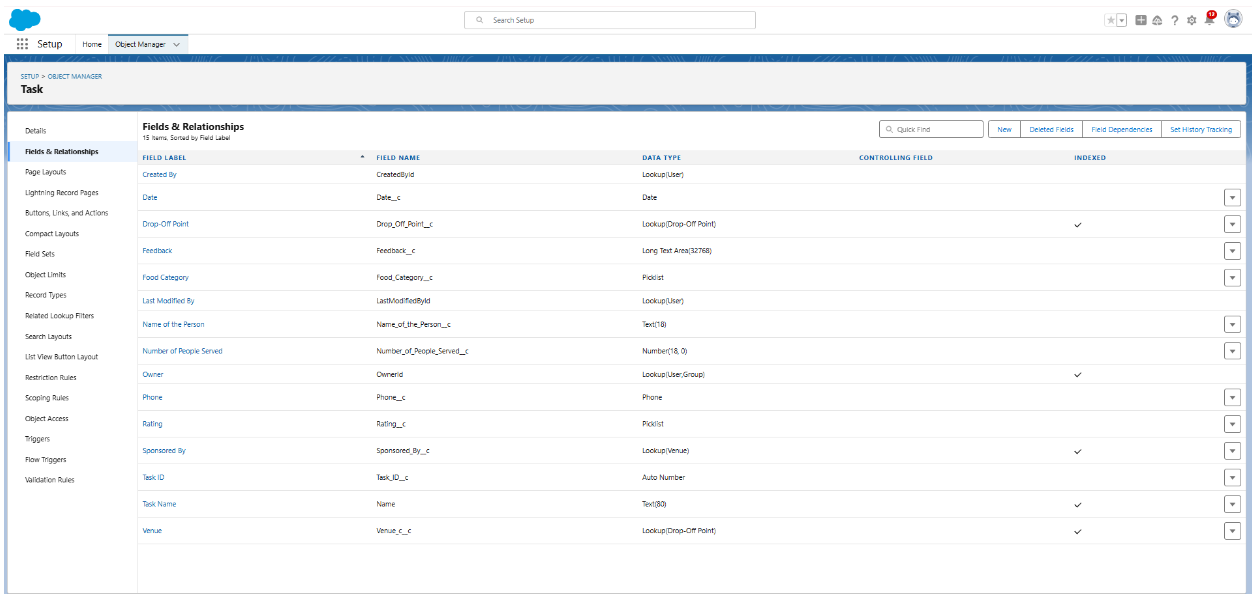
21. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
22. Now click on “Fields & Relationships” >> New
23. Select Data type as a “Pick List” and Click on Next
24. Fill the Above as following:

● 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.



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.

To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Picklist” and Click on Next
4. Fill the Above as following:
● Field Label : Gender
● Field Name : Gender
● Enter values, with each value separated by a new line :
Female
Male
● Click on Next >> Next >> Save and new.

To create another fields in an object:

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

To create another fields in an object:

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

To create another fields in an object:

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

● Field Label : Email
● Field Name : Email
● Click on required check box
● Click on Next >> Next>> Save and new.

To create another fields in an object:

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

● Field Label : Contact Number
● Field Name : Contact_Number
● Click on required check box
● Click on Next >> Next >> Save and new.

To create another fields in an object:

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

● Field Label : Address
● Field Name : Address
● Click on Next >> Next >> Save and New.

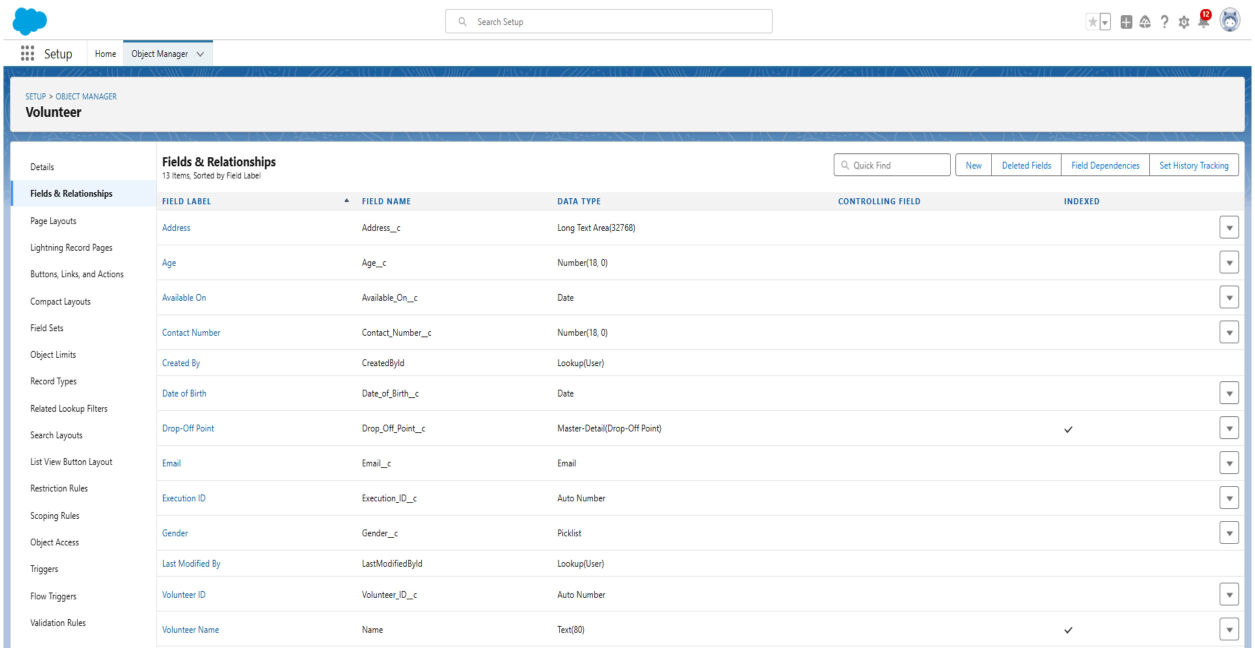
To create another fields in an object:

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

bar >> click on the object.

26. Now click on “Fields & Relationships” >> New
27. Select Data type as a “Date” and Click on Next
28. Fill the Above as following:

- Field Label : Date of Birth
- Field Name : Date_of_Birth
- Click on Next >> Next >> Save and new.

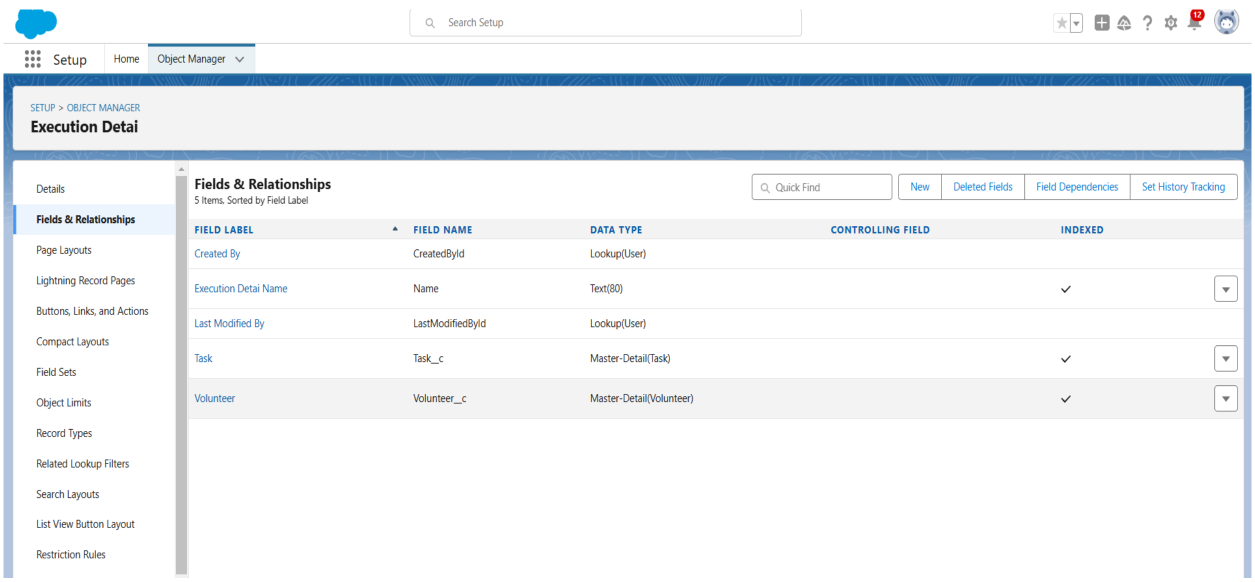


Creation of fields for the Execution Details object

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

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

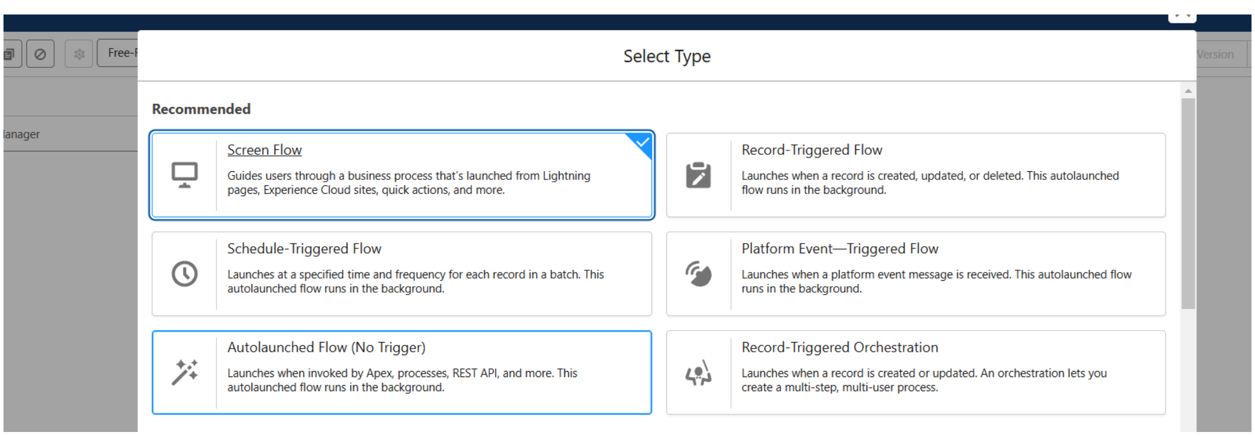
- Field Label : Execution ID
- Field Name : gets auto generated
- Click on required check box
- Click on Next >> Next >> Save and New.



TASK 6: FLOWS

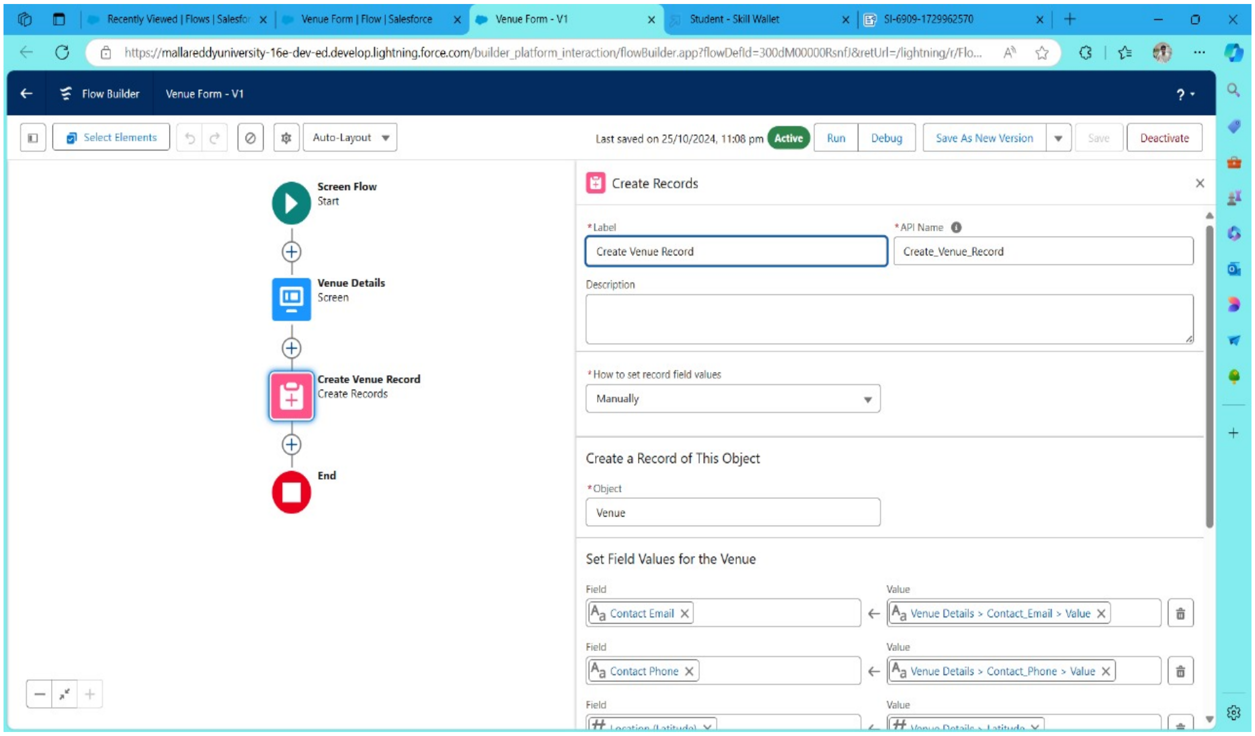
Create Flow to create a record in Venue object

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:

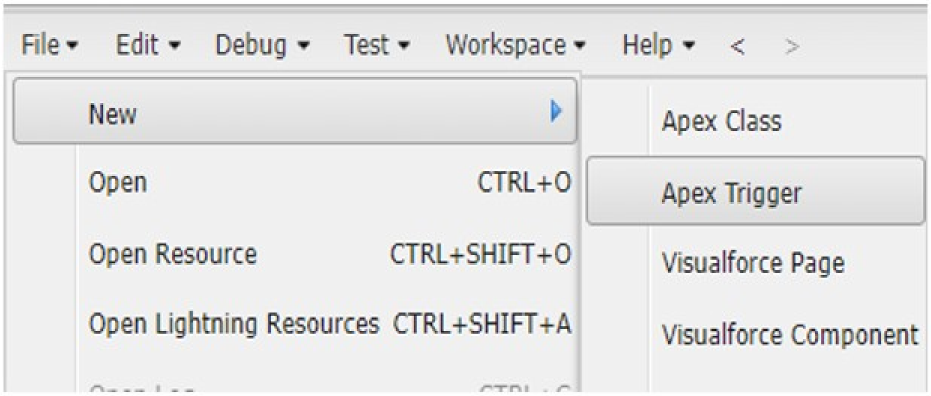


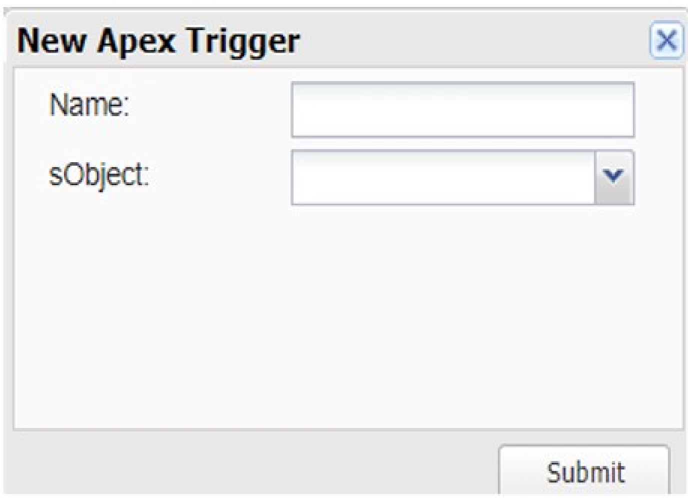
15. Click on Save as:
Flow Label : Venue Form
Flow API Name : Venue_Form

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 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.



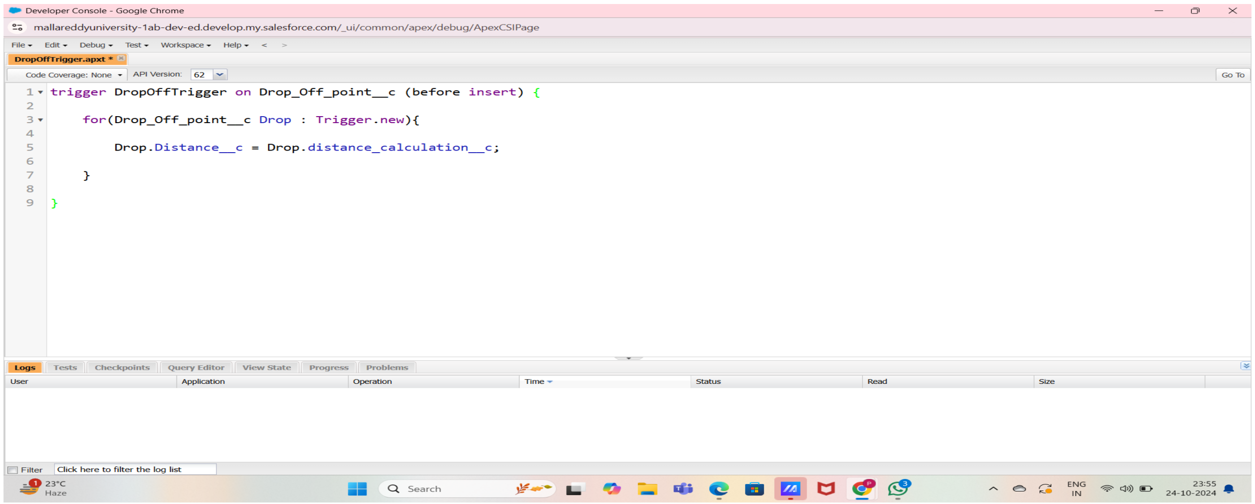


5. Enter Name : DropOffTrigger
   sObject: Drop-Off Point
6. Click on submit.

Trigger Code

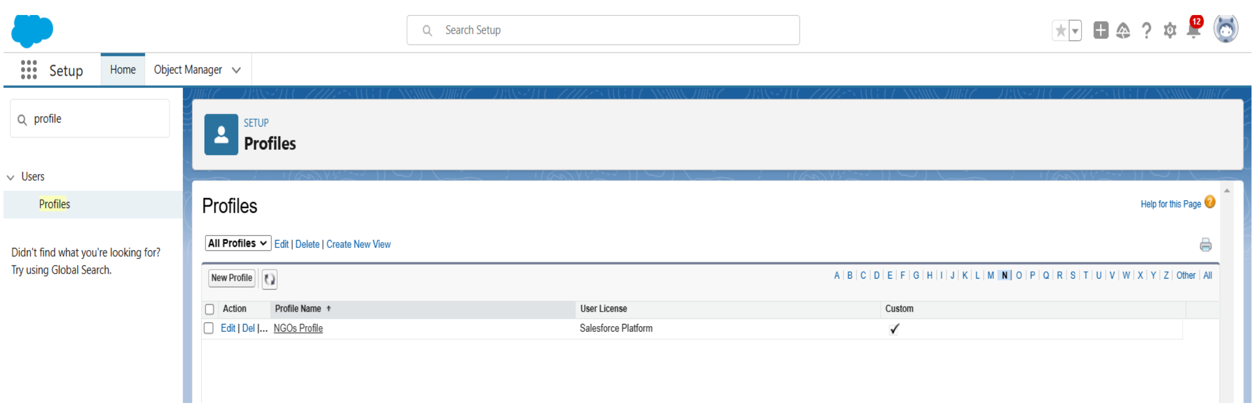
trigger DropOffTrigger on Drop_Off_point__c (before insert) {

```
for(Drop_Off_point__c Drop : Trigger.new){
 Drop.Distance__c = Drop.distance_calculation__c;
   }
}
```



TASK 8: Profiles

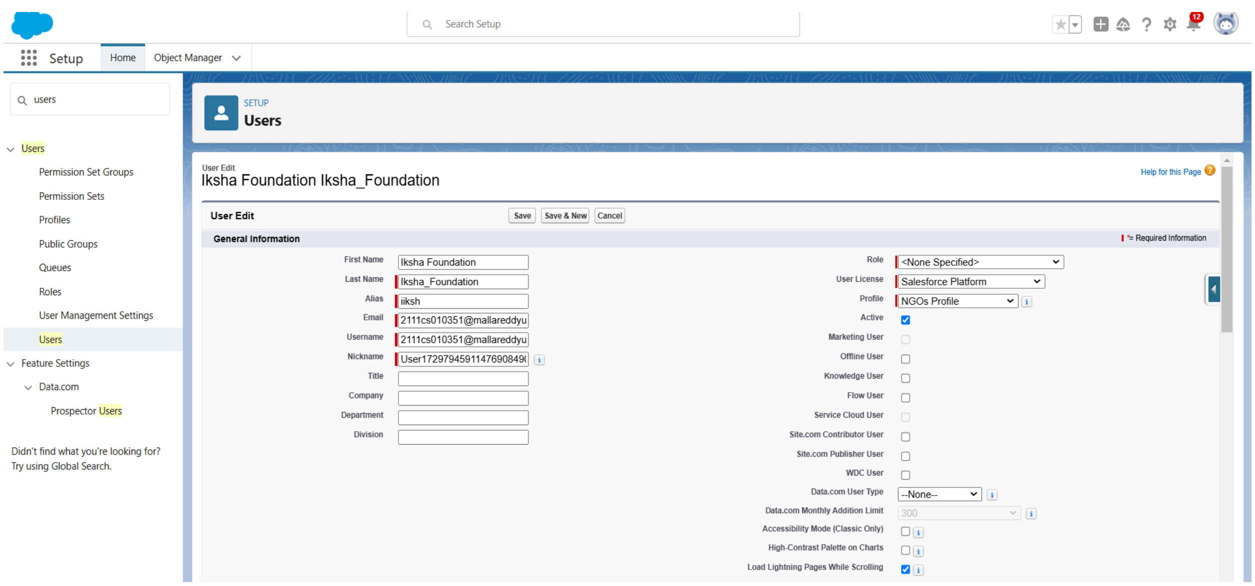
1. Go to setup page >> type Profiles in Quick Find bar >> click on Profiles >> click on 'S'
2. Click on Clone beside Standard Platform User.
3. Under Clone Profile: Profile Name : NGOs Profile
1. Then click on Save.



TASK 9 : Creation of Users

Creation of User1

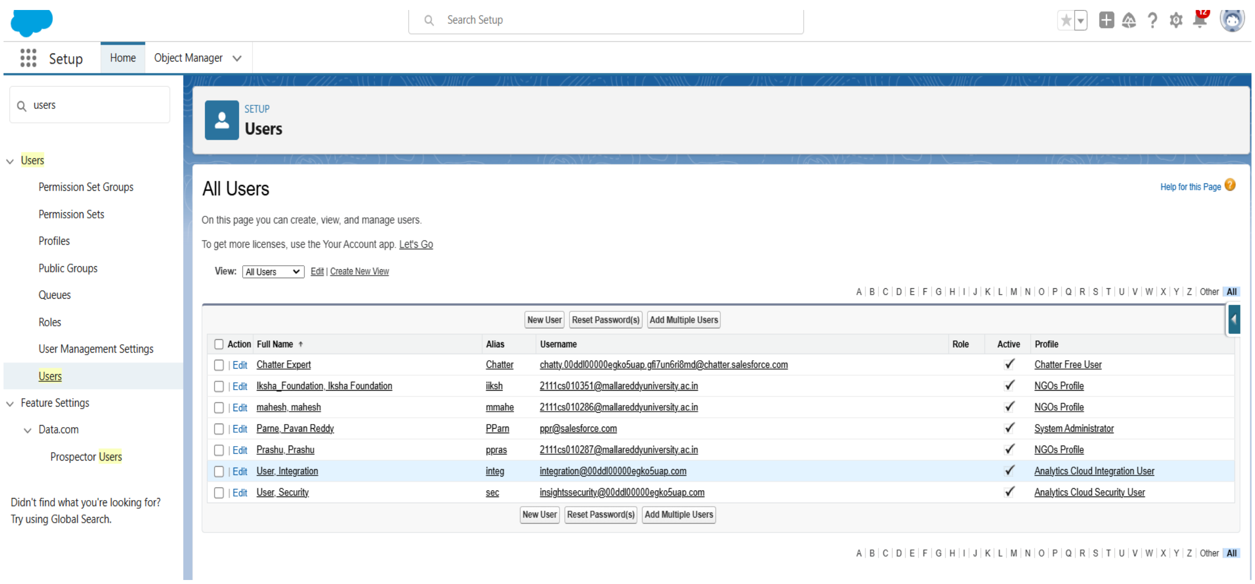
1. Go to setup page >> type users in Quick Find bar >> click on users>> New user.
2. In General Information give details as: (Note : create users as per your wish NGO's)
First Name : Iksha Foundation
Last Name : Iksha_Foundation Alias : iiksh
Email : Give Your Email
Username : ikshafoundation@sb.com (give the username different)
Nickname : Auto Populated 38
User License : Salesforce Platform
Profile : NGOs Profile
Active : Check



3. Click on Save

Creation of User2, User3

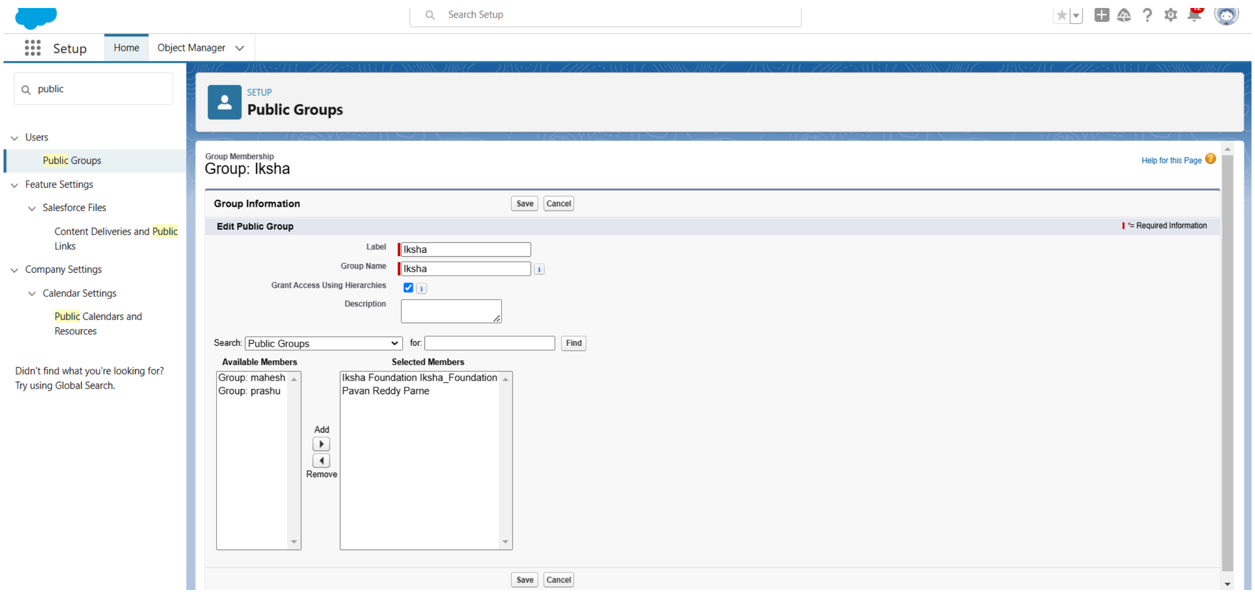
Create another Two Users by following steps in Activity - 1 with similar User License and Profile.
Give Different First Name, Last Name based on Different NGO's.



TASK 10:Public Groups

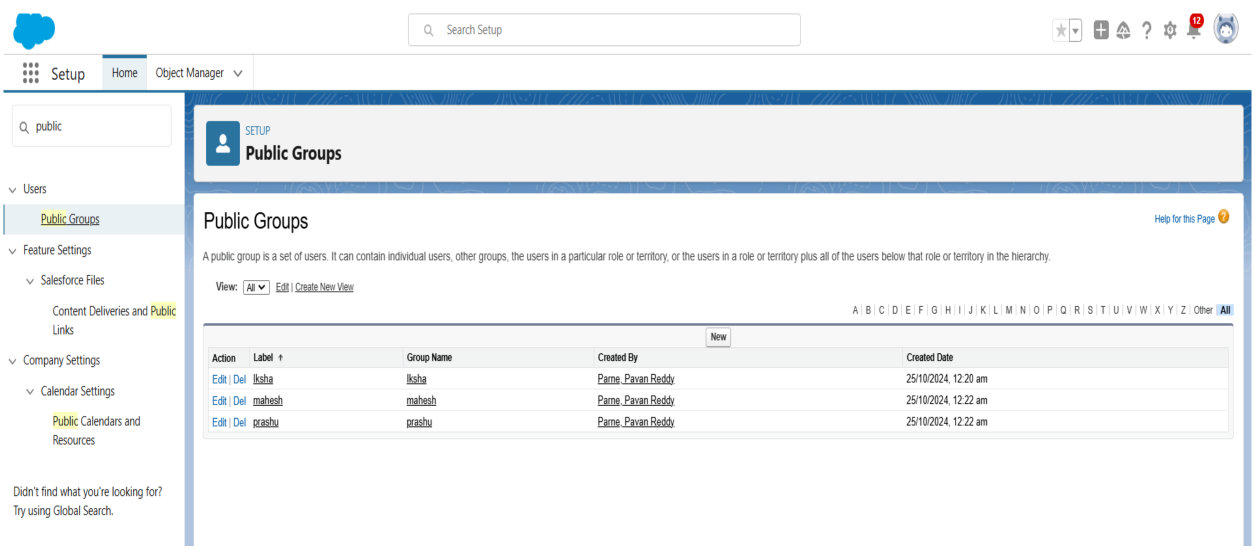
Creation of Public Group 1

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.



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.



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 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

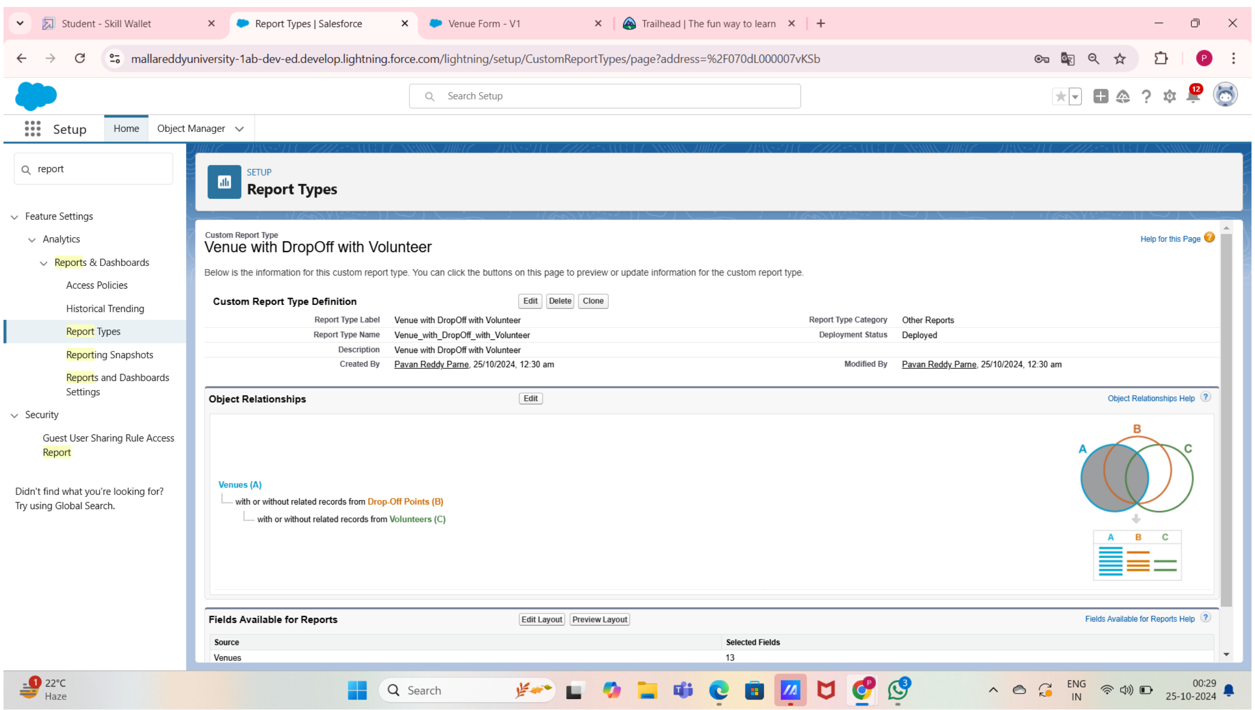
3. Click on Next

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.

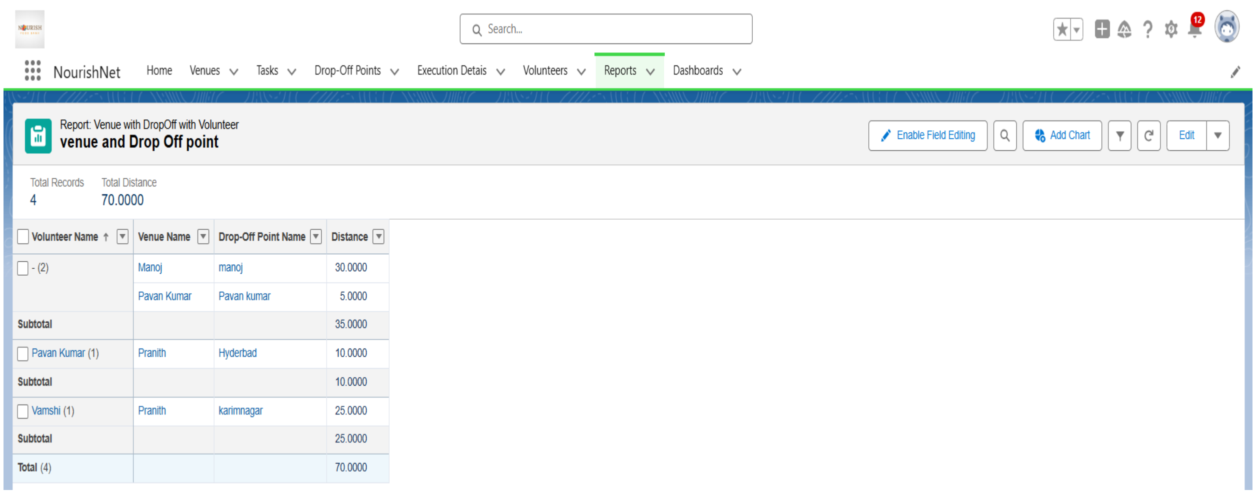


TASK 12:Reports

Creation of Report on Venue with DropOff with Volunteer

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

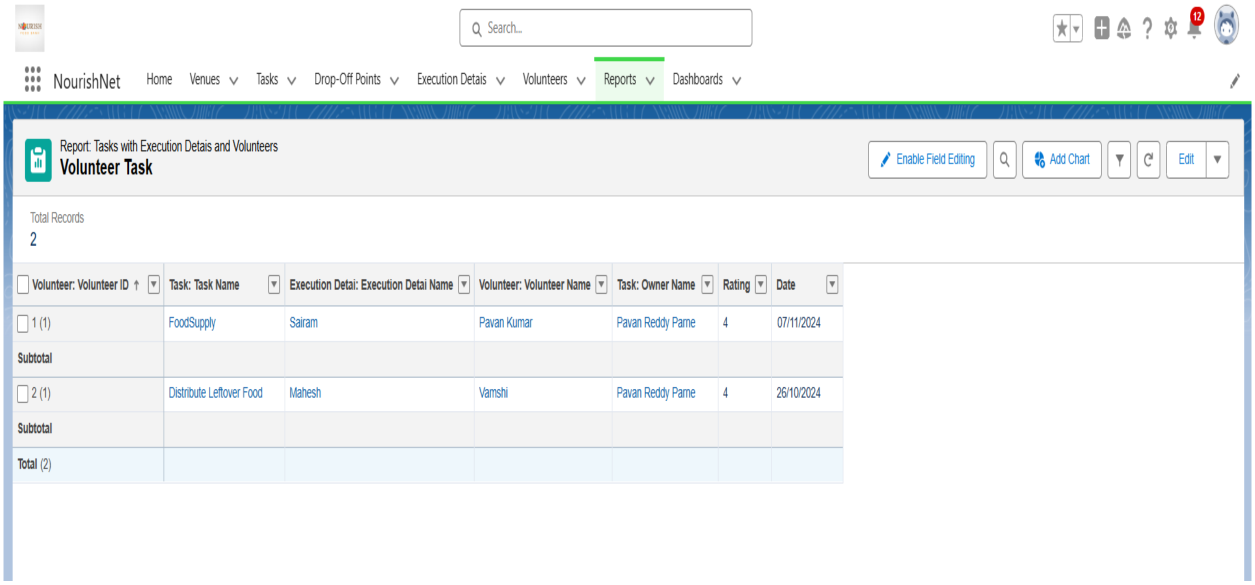
2. Click on New Folder. Folder Label : Custom Reports Folder Unique Name : CustomReports
3. Open Custom Reports and click on New Report
4. Select Report Type : Venue with DropOff with Volunteer
5. Then click on Start Report.
6. In GROUP ROWS : Add Volunteer Name
7. In Columns : Add Venue Name, Drop-Off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



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.



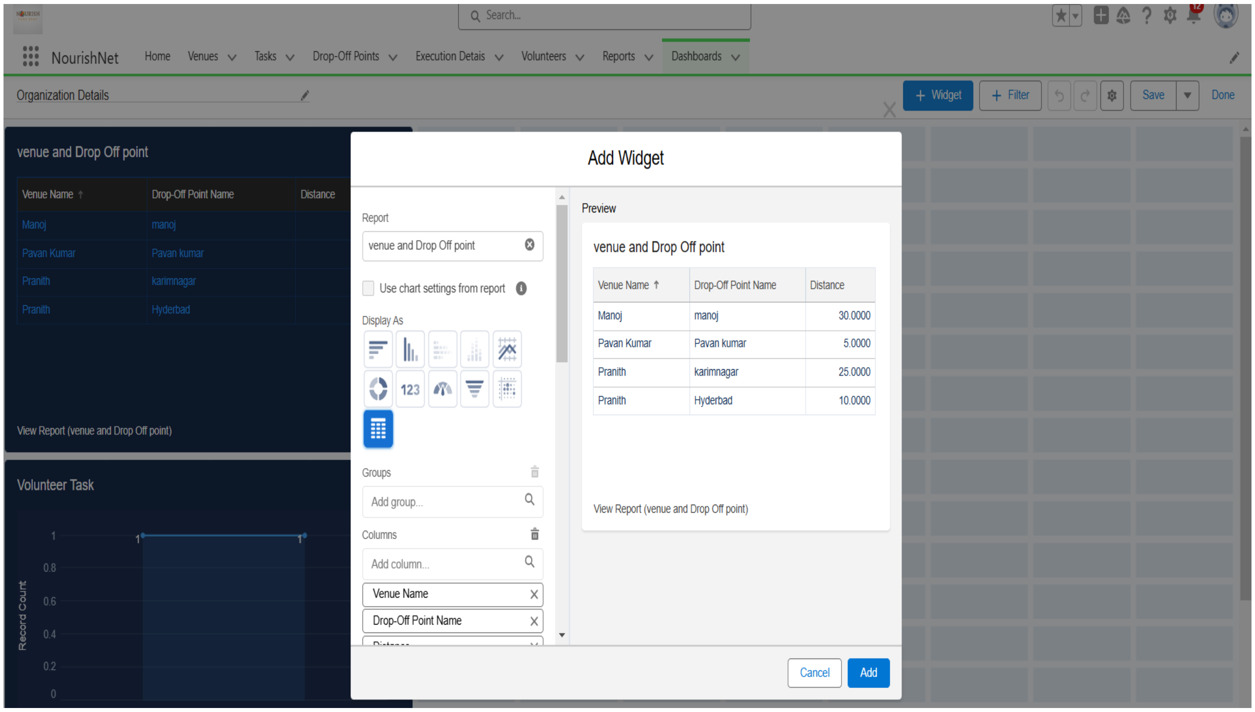
TASK 13:Dashboards

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

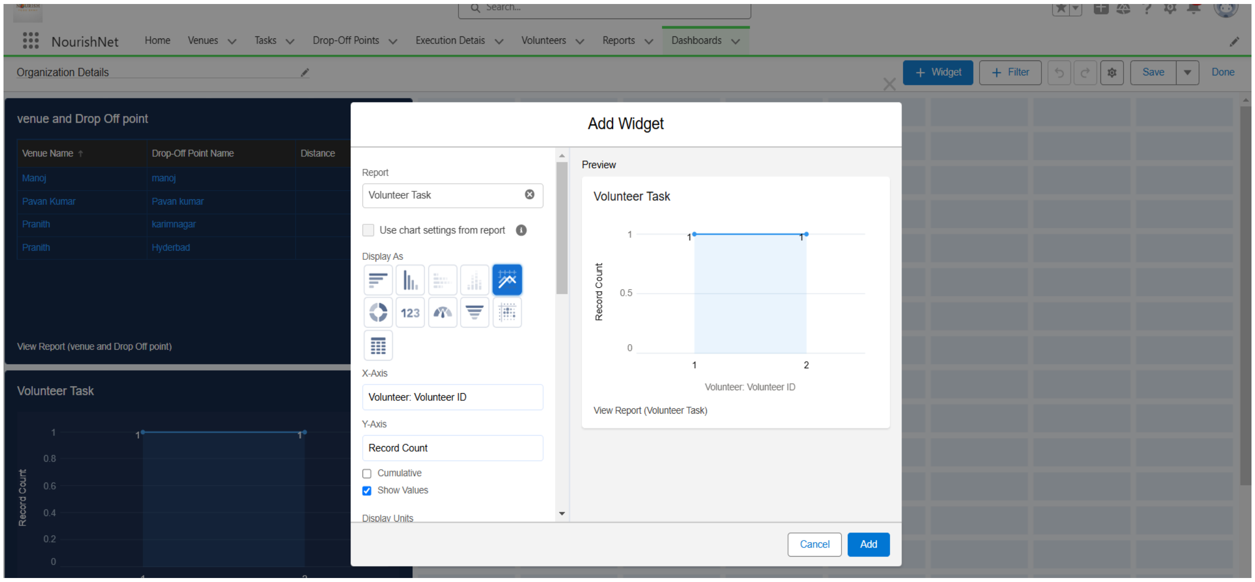
Component Theme : Select Dark (Optional)



Now click on save.

Adding Volunteer Task Report to the Dashboard

1. Click on Widget and select Chart or Table
2. In Select Report : Select Volunteer Task Report.
3. Then click on select 4. In Add Component:
   Display As : Select Line Chart
   Component Theme : Select Dark (Optional)



Now click on save.

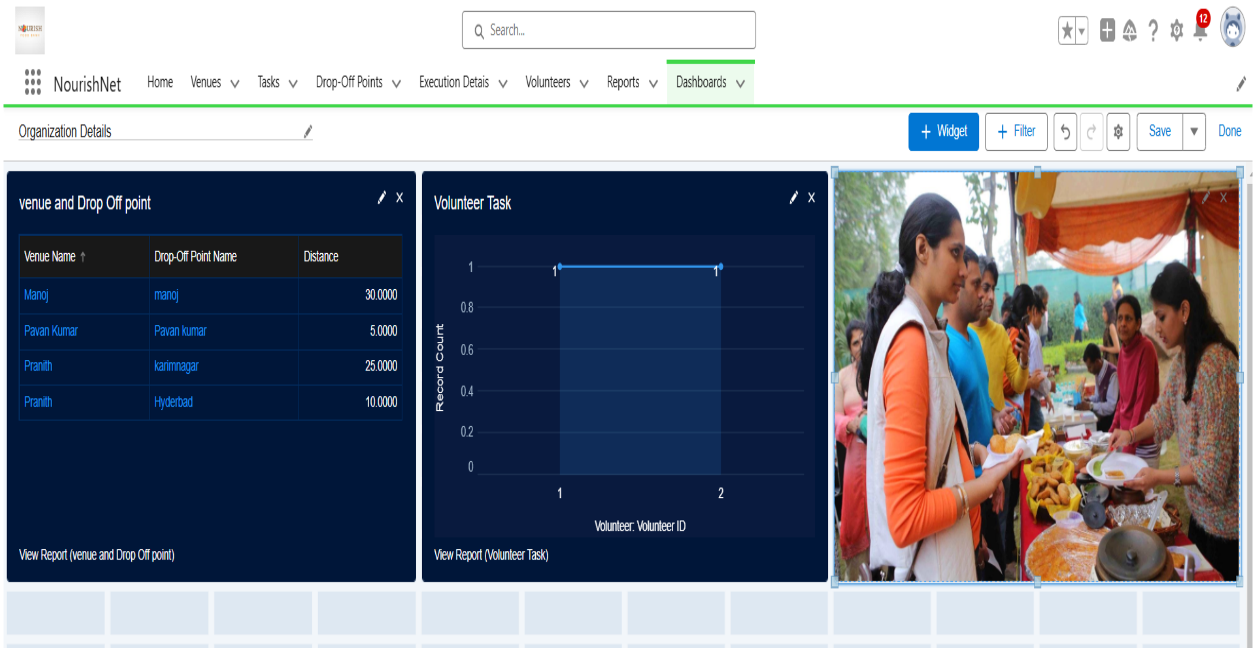
Adding a Picture to the Dashboard (Optional):

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

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

   Name : Task Execution Details

   Click on Select Folder and select Custom Dashboards
4. Click on Select Folder and then Save.

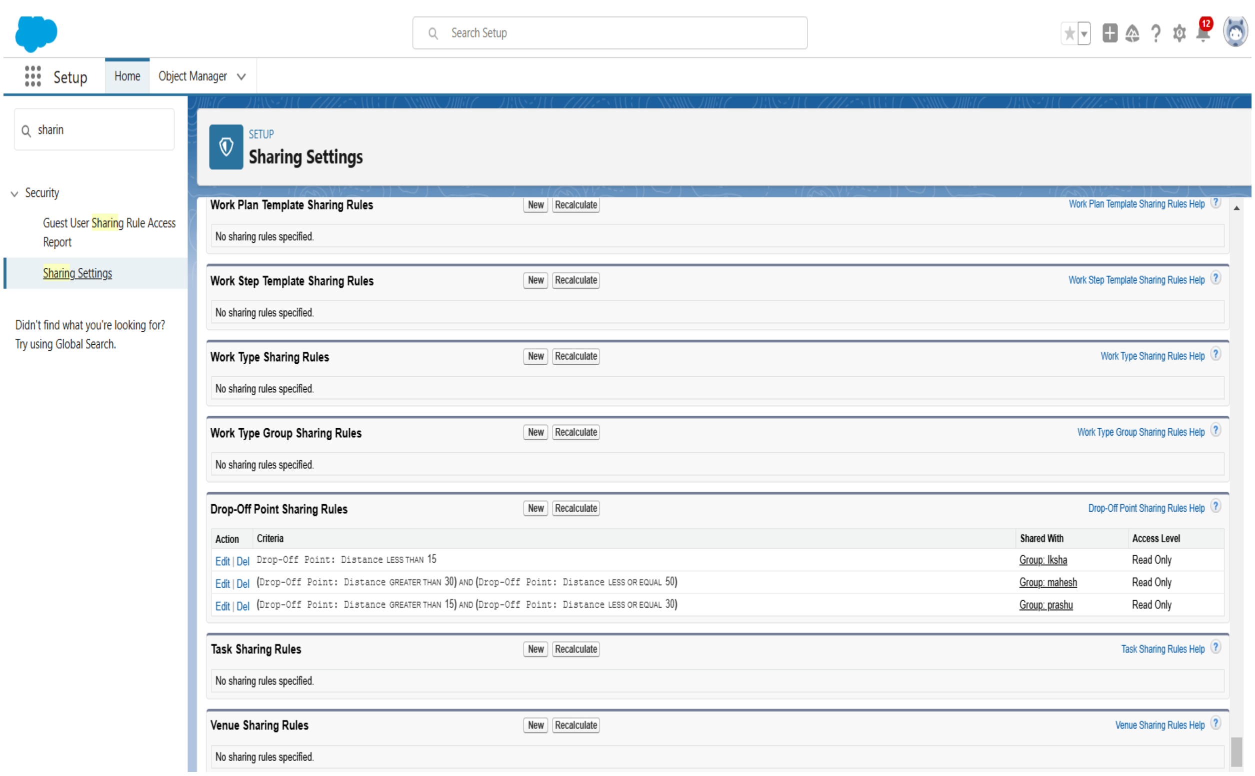


TASK 14: Sharing Rules

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
   Label : Rule 2
   Rule Name : Rule_2
9. Select your rule type : Select Based on criteria.
10. Select which records to be shared:

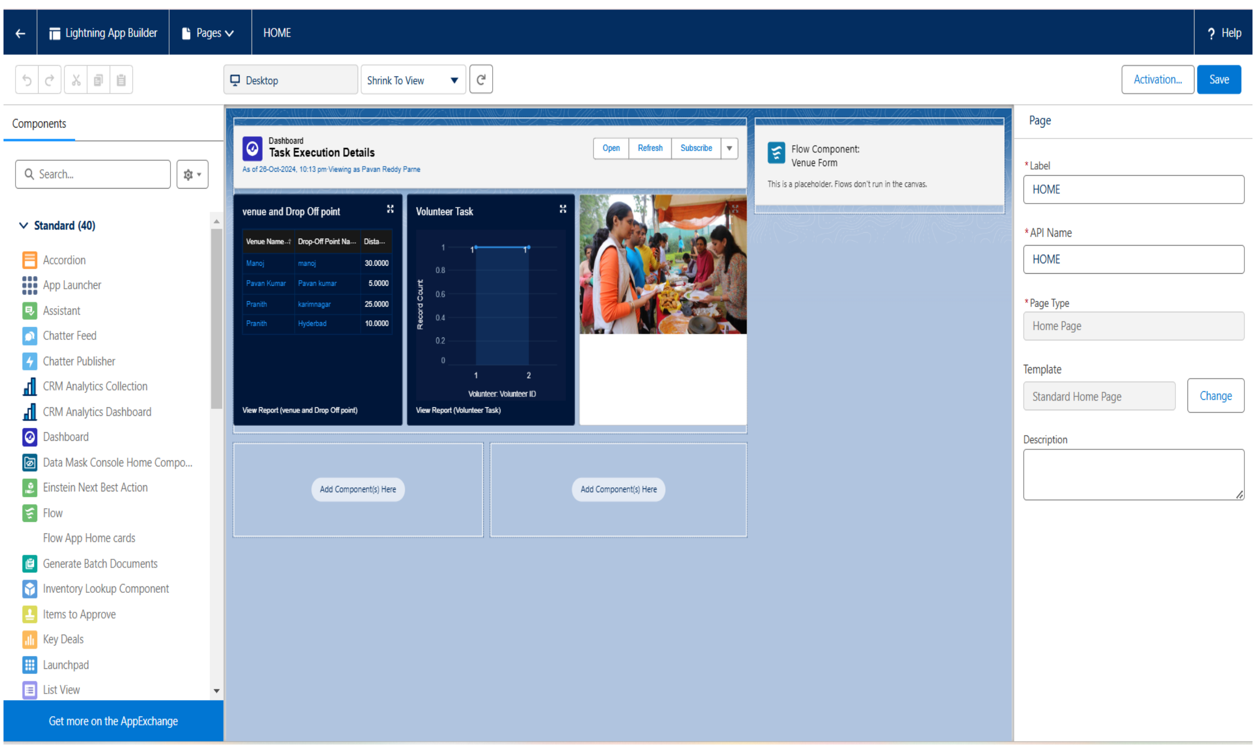
Field : Operator : Value = Distance : greater than : 15
Field : Operator : Value = Distance : less or equal : 30
11. Select the users to share with : Near Share With
    Public Groups : NSS
12. Click on Save.
13. Click on new near Drop-Off point Sharing Rules and Name it as:
    Label : Rule 3
    Rule 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.



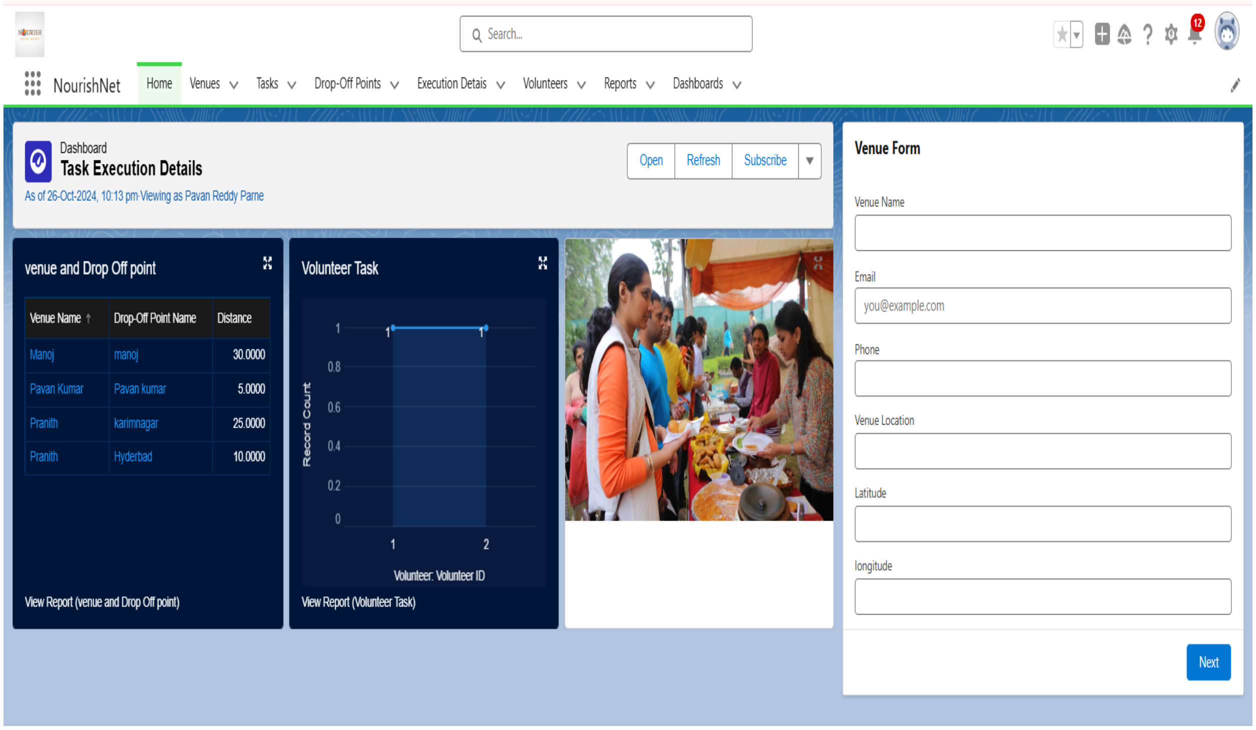
TASK 15:Home Page

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.



Conclusion

The **Food Donation Project** is a powerful initiative that bridges the gap between surplus food and communities in need, fostering both sustainability and compassion. By creating an organized and responsive system for collecting, managing, and distributing food donations, this project ensures that nutritious meals reach people facing food insecurity. It not only reduces waste but also brings communities together in a shared mission to end hunger and support vulnerable populations. As more individuals, businesses, and organizations join this effort, the project's impact continues to grow, driving meaningful, lasting change and setting a foundation for a more food-secure, resilient future.