# Salesforce Project

**Food Rescue Program**
**(To Supply Left Over Food)**

developed by:

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# ABSTRACT

Food donation is a critical initiative aimed at combating hunger and food insecurity by redistributing surplus food to individuals and communities in need. This process involves collecting excess food from various sources, such as grocery stores, farms, restaurants, and individuals, which is then sorted and distributed by food banks and charitable organizations. By providing access to safe, nutritious meals, food donation addresses immediate dietary needs while significantly reducing food waste, which is a major contributor to environmental issues like greenhouse gas emissions. Additionally, food donation fosters community engagement and resilience, encouraging collective efforts to tackle food insecurity and promote sustainable practices. Overall, food donation serves as an essential strategy for building a more equitable and sustainable food system, improving public health, and enhancing social solidarity within communities.

Moreover, food donation plays a multifaceted role in promoting social equity and environmental sustainability. As communities grapple with the dual challenges of rising food insecurity and escalating food waste, food donation provides a practical solution that benefits both donors and recipients. It not only allows businesses and individuals to contribute to their communities by diverting surplus food from landfills but also ensures that those in need receive vital nutritional support. Many food donation programs integrate educational components, offering workshops on nutrition, cooking, and budgeting, which empower recipients to make informed food choices and utilize the donated items effectively. Additionally, collaborations between food banks and local farmers help create a circular economy that supports local agriculture while ensuring the availability of fresh produce. Through these efforts, food donation fosters a culture of compassion and responsibility, demonstrating that collective action can lead to meaningful change in addressing systemic issues related to hunger and food waste. Ultimately, food donation is not just about addressing immediate needs; it is a vital component of creating a sustainable and equitable food system that benefits all members of society.

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# INTRODUCTION

Food donation is the act of giving food to individuals, families, or communities facing food insecurity, often facilitated by food banks, shelters, and charitable organizations. This practice plays a crucial role in addressing hunger by redistributing surplus food from sources like grocery stores, farms, restaurants, and individuals to those in need. By offering essential resources, food donation provides access to nutritious meals for people who may lack regular access to food. Additionally, it helps reduce food waste, conserving resources and minimizing environmental impact. Through food donation, communities foster a spirit of mutual support, strengthening resilience and providing relief to those experiencing hardship.

Food donation programs operate on both local and global scales, working with community organizations, food banks, and nonprofits to ensure food reaches those in need. These programs rely on diverse sources, including surplus from grocery stores, unsold produce from farms, donations from restaurants, and contributions from individuals. In many cases, donated food is carefully sorted, stored, and distributed to maintain quality and safety, ensuring that recipients receive fresh and nutritious options.

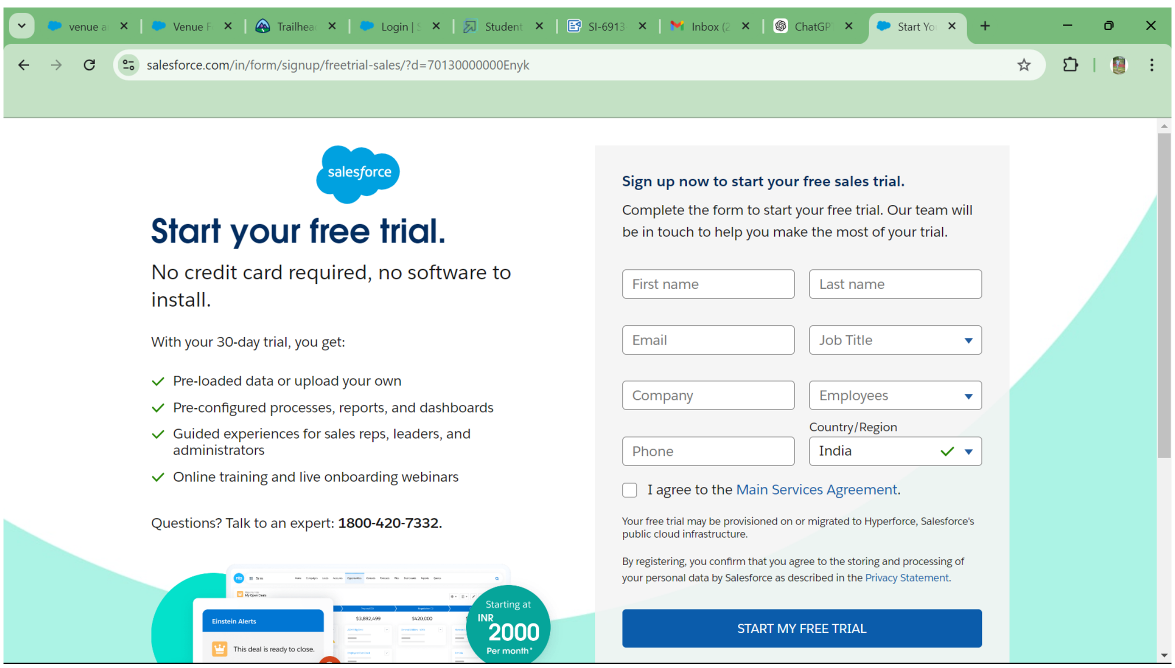
By preventing surplus food from ending up in landfills, food donation also addresses environmental issues linked to food waste, such as greenhouse gas emissions and the waste of resources used in food production. Additionally, food donation programs build resilience in communities, especially during times of crisis, by supporting food security and providing essential resources. Many people also engage with these programs by volunteering, participating in food drives, or donating money, creating a sense of solidarity and collective responsibility that strengthens social bonds and encourages ongoing community support.

# 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:



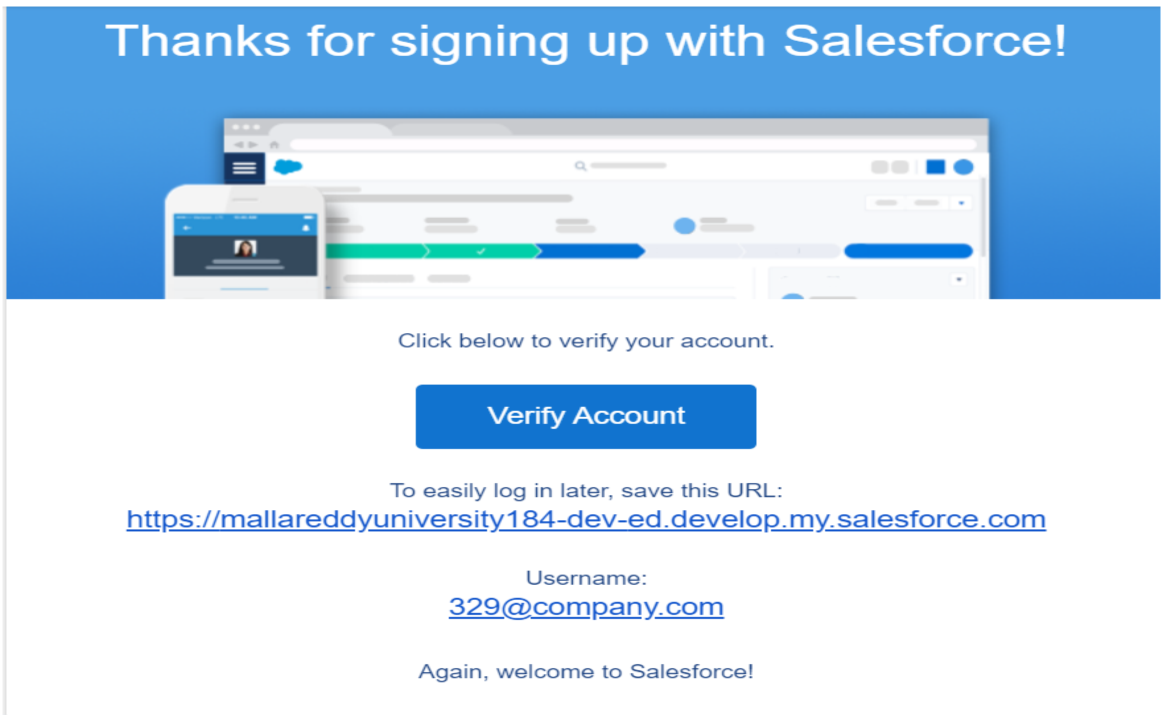

1. First name & Last name
2. Email
3. Role : Developer
4. Company : College or Company Name
5. County : India
6. Postal Code : pin code

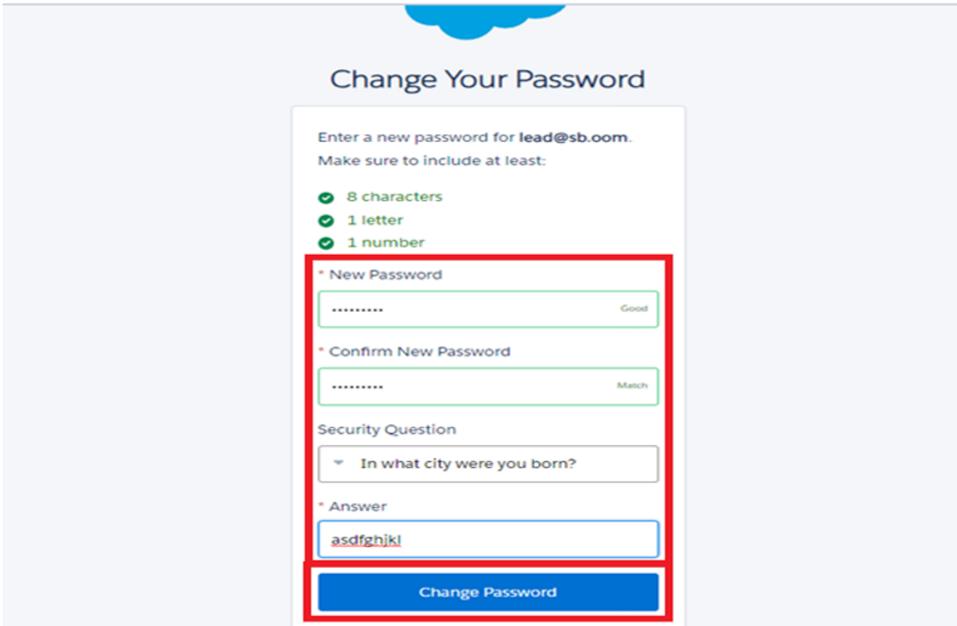
7. Username : should be a combination of your name and company This need not be an actual email id, you can give anything in the format : username@organization.com Click on sign me up

after filling these.

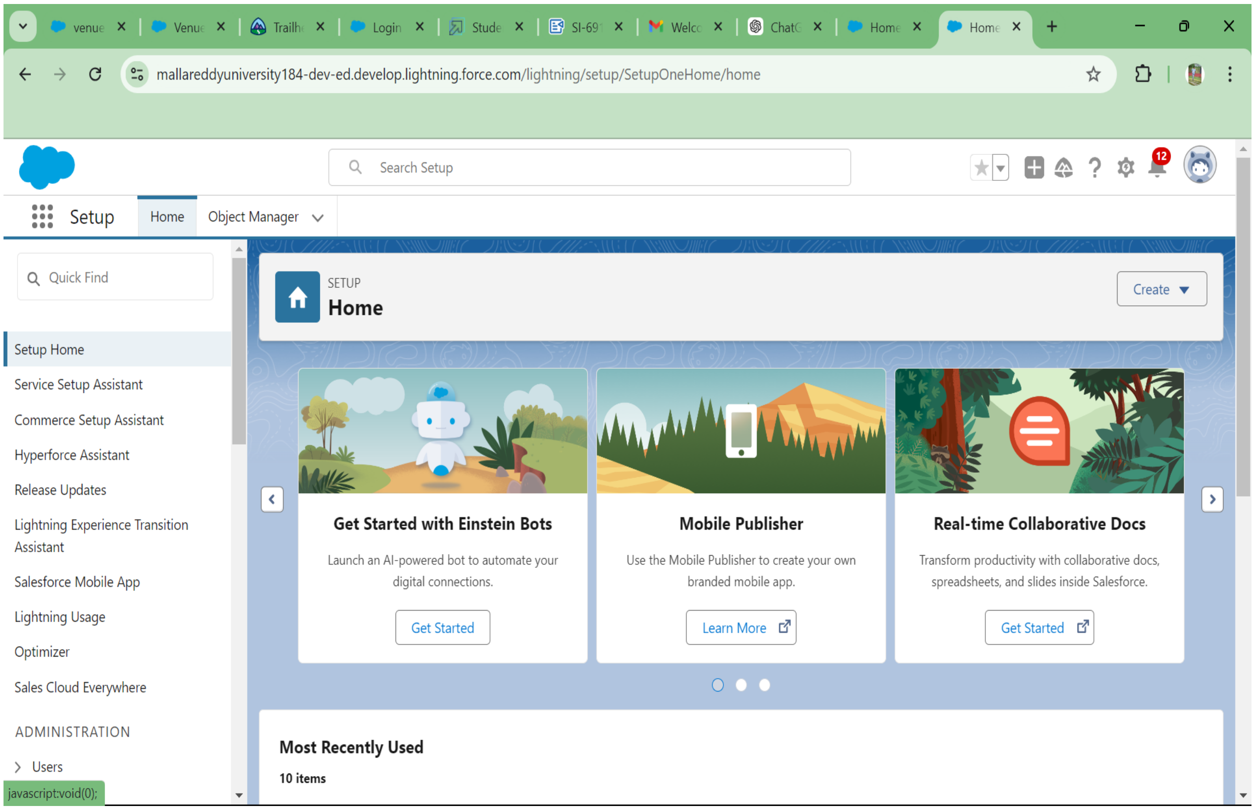
### *Account Activation*

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






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

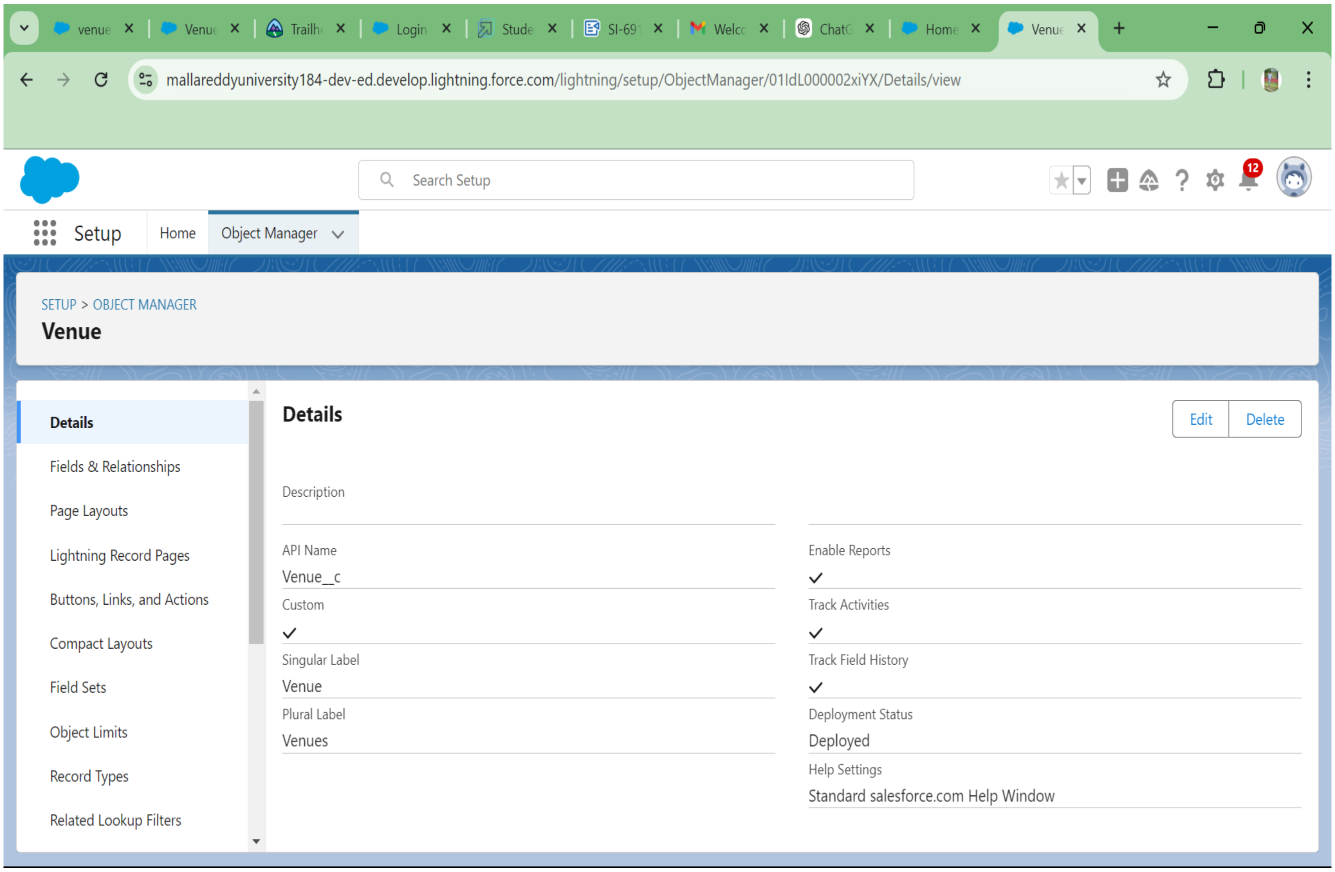



# TASK 2: Objects creation

## *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.

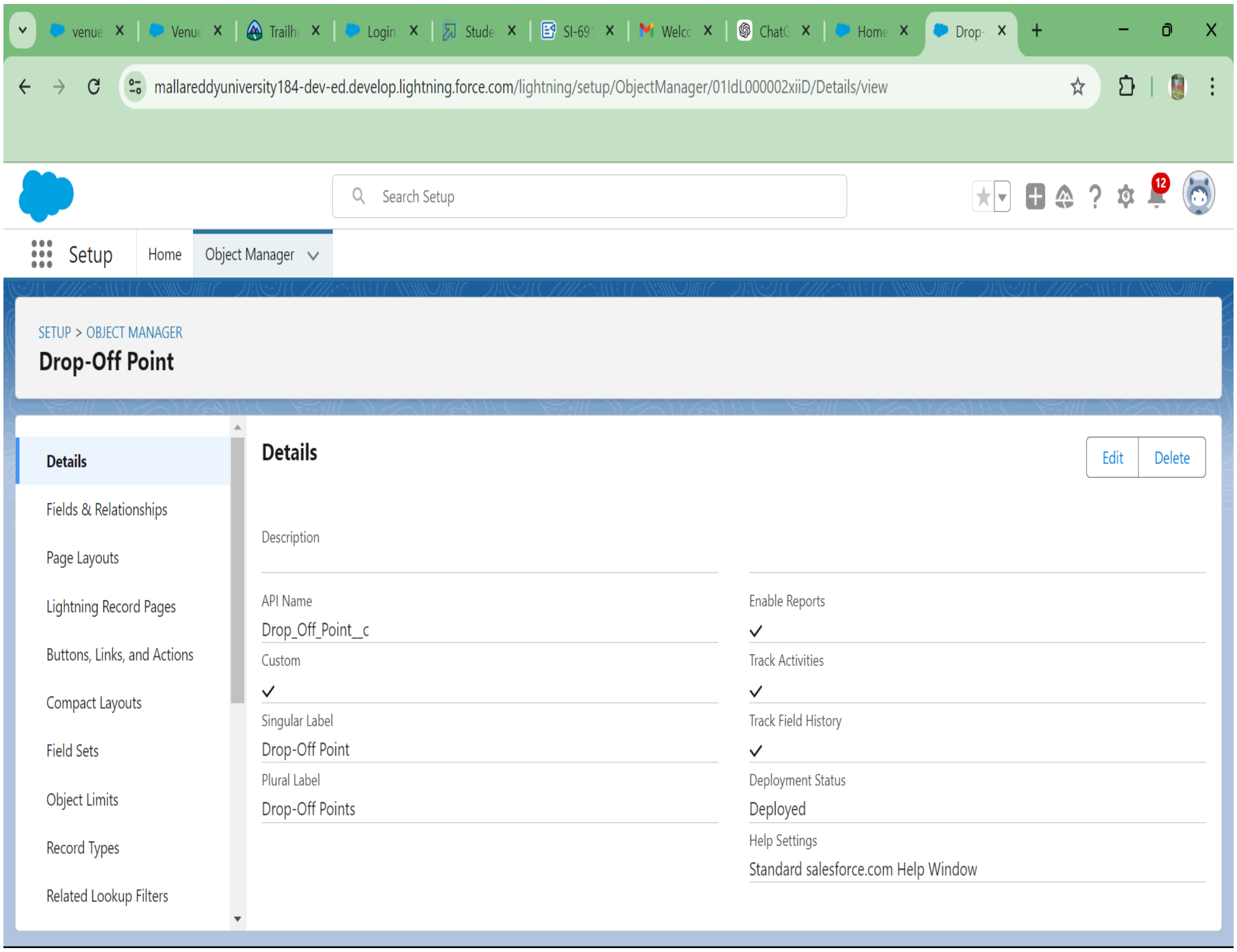



# Create Drop-Off Point

## *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.



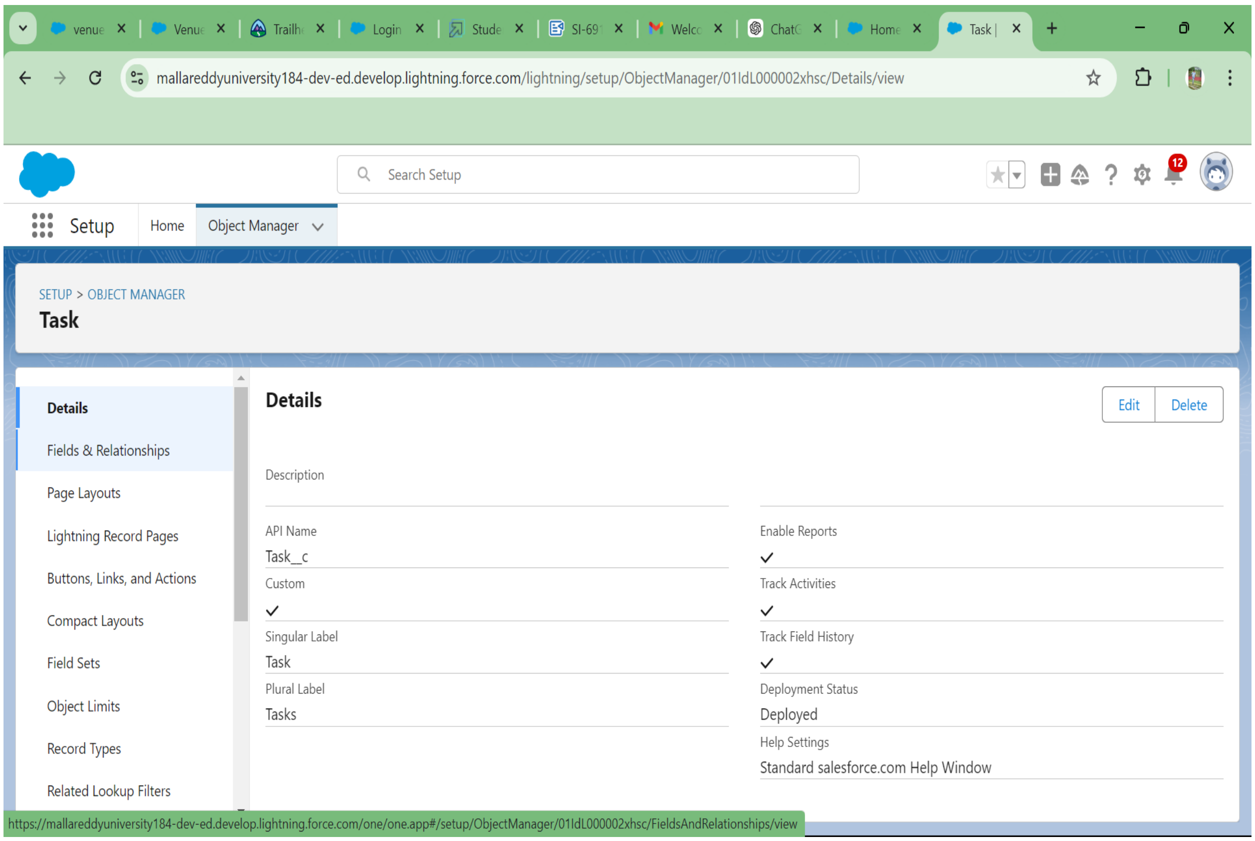

# Create Task Object

## *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.



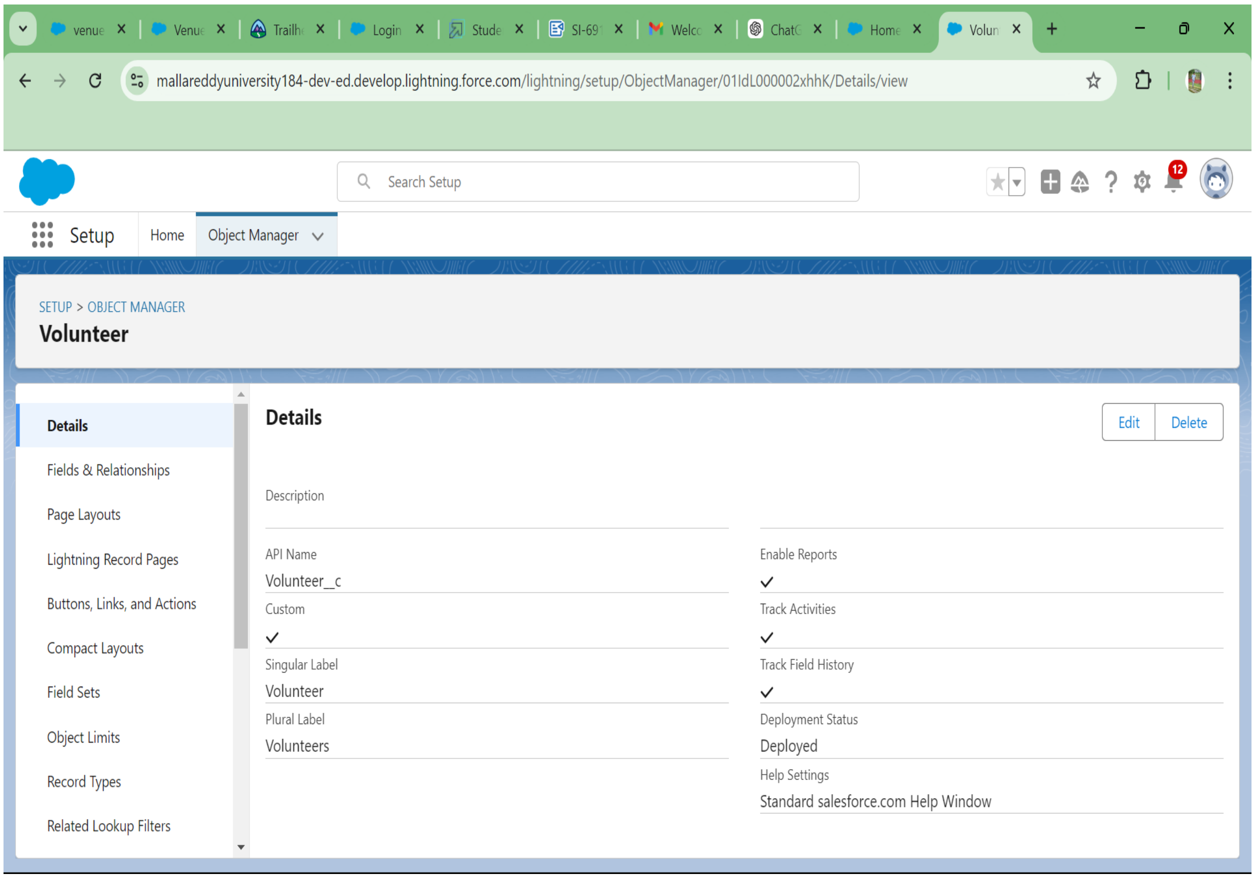

# Create Volunteer Object

## *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.

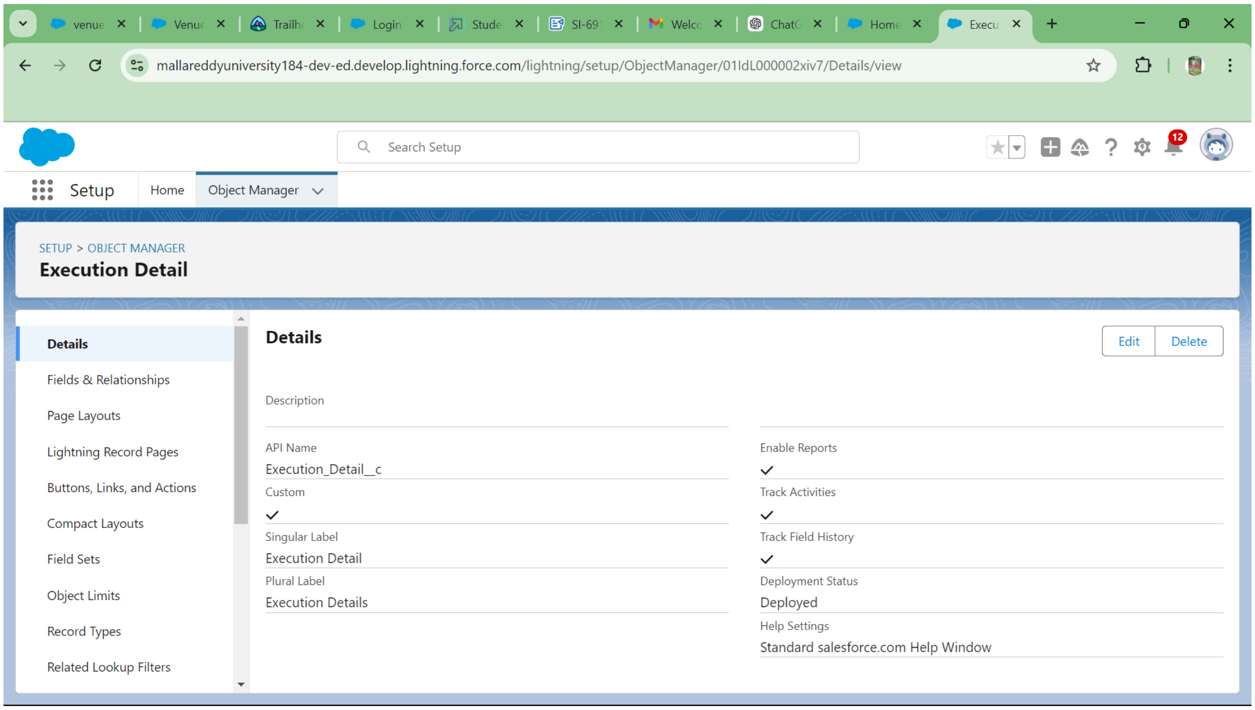



## Create  Execution Details Object

### *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 Details
   2. Plural label name>>   Execution Detailss
   3. Enter Record Name Label and Format
      - Record Name >>   Execution Details 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.

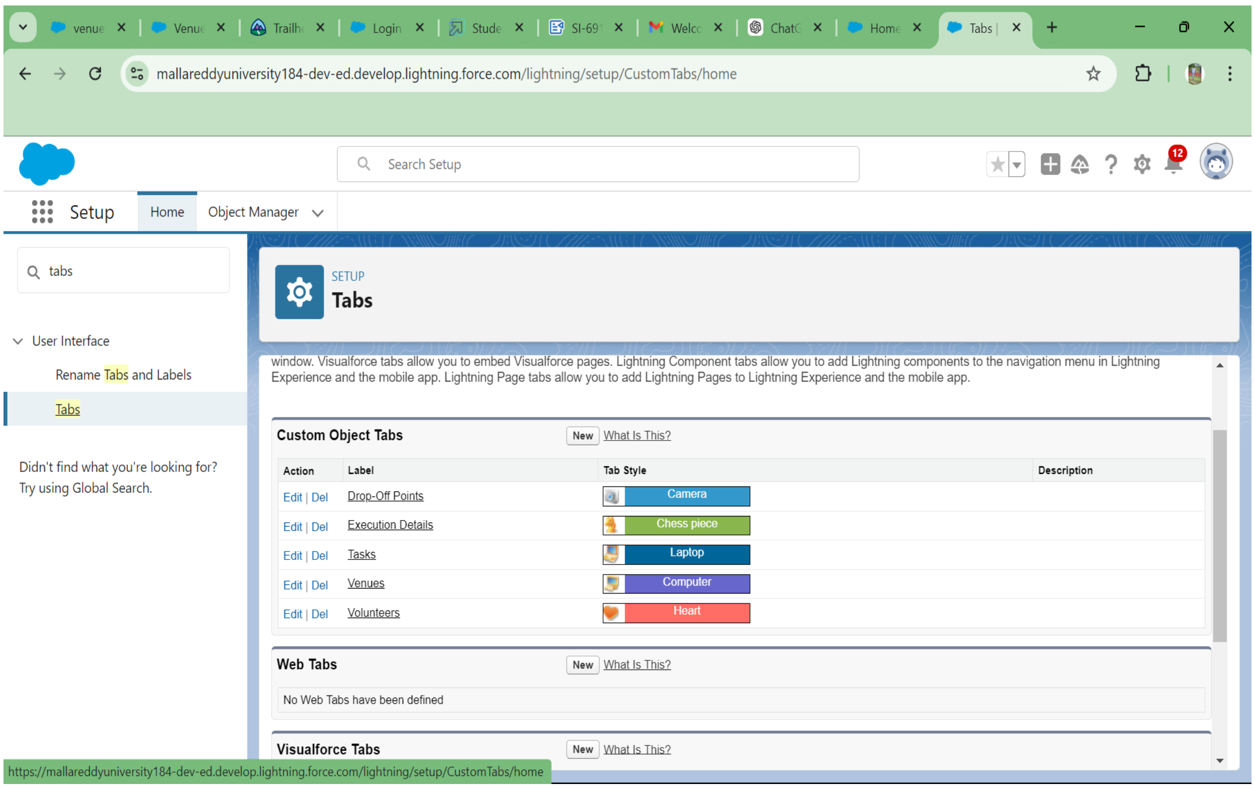
## *Creating a Custom Tab*

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 : FoodConnect
   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.

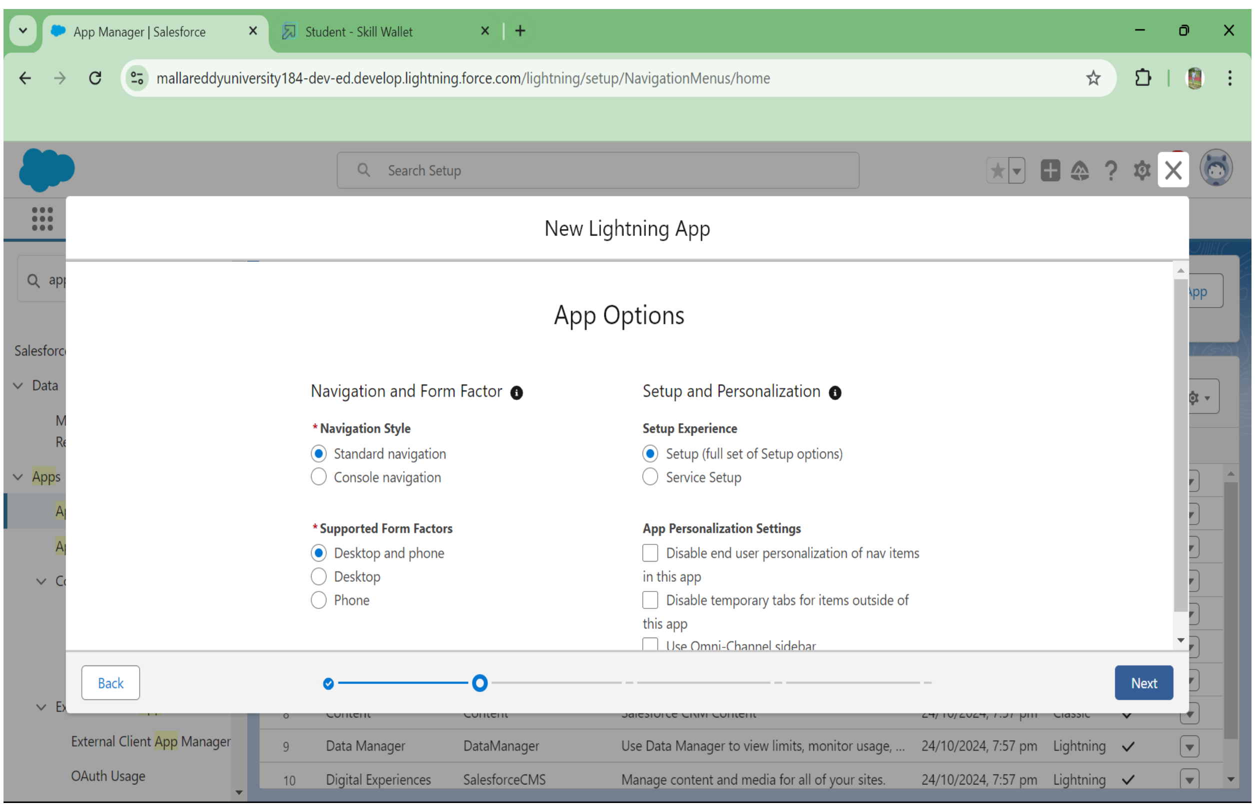
3.Then click Next >> (App option page)Set Navigation Style as Standard Navigation>> Next.

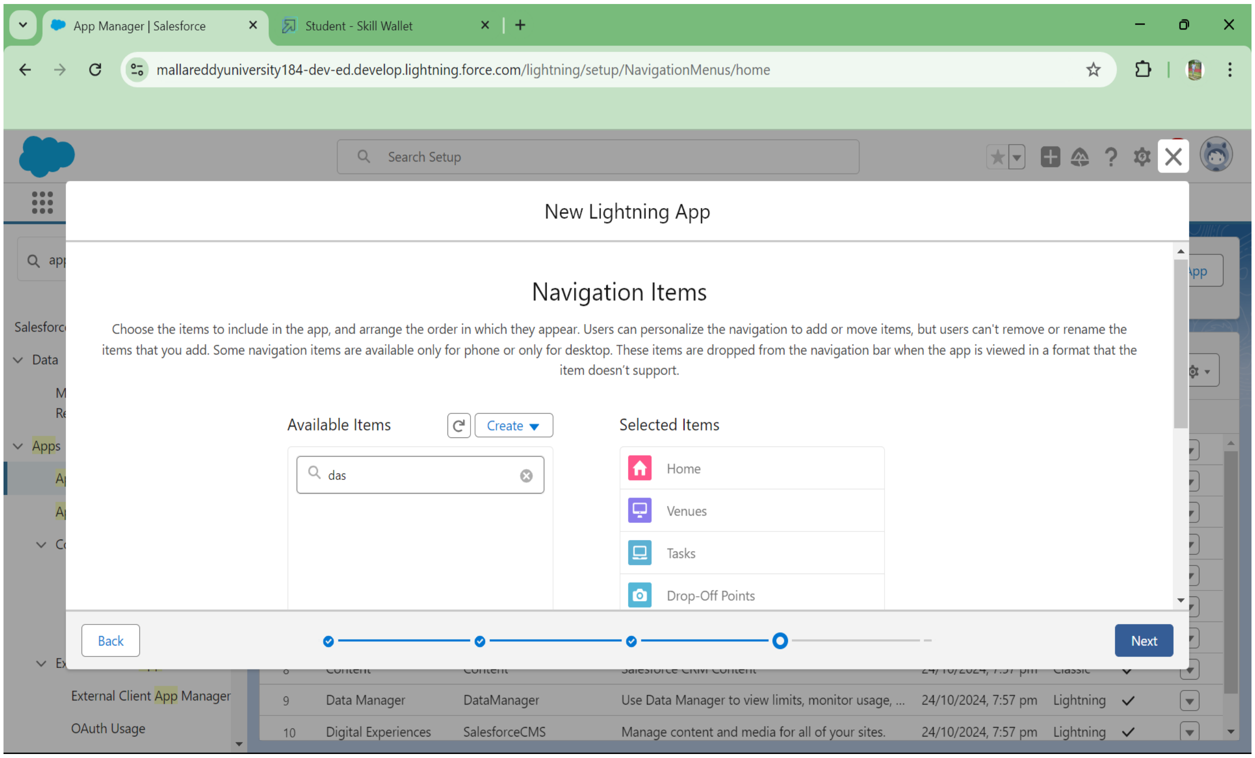
4. (Utility Items) keep it as default >> Next.
5. To Add Navigation Items:

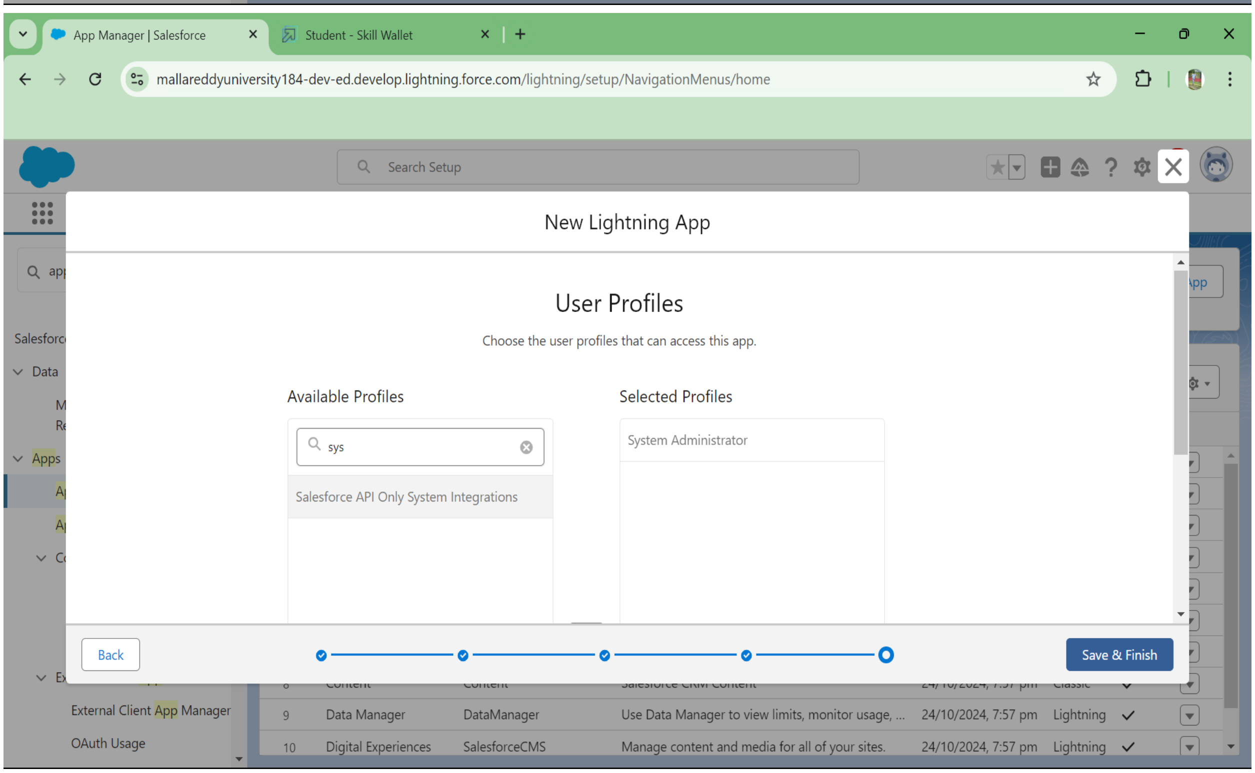
Search for the item in the (Home, Venue, Drop-Off Point, Task, Volunteer, Execution Details, Reports) from the search bar and move it using the arrow button >>Next.

6. To Add User Profiles:

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




App Manager | Salesforce
Student - Skill Wallet
mallareddyuniversity184-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home
Search Setup
New Lightning App
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 items are available only 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
das
Selected Items
Home
Venues
Tasks
Drop-Off Points
Back
Next
External Client App Manager
OAuth Usage
9 Data Manager DataManager Use Data Manager to view limits, monitor usage, ... 24/10/2024, 7:57 pm Lightning
10 Digital Experiences SalesforceCMS Manage content and media for all of your sites. 24/10/2024, 7:57 pm Lightning


App Manager | Salesforce
Student - Skill Wallet
mallareddyuniversity184-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home
Search Setup
New Lightning App
User Profiles
Choose the user profiles that can access this app.
Available Profiles
sys
Salesforce API Only System Integrations
Selected Profiles
System Administrator
Back
Save & Finish
External Client App Manager
OAuth Usage
9 Data Manager DataManager Use Data Manager to view limits, monitor usage, ... 24/10/2024, 7:57 pm Lightning
10 Digital Experiences SalesforceCMS Manage content and media for all of your sites. 24/10/2024, 7:57 pm Lightning

# 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:***

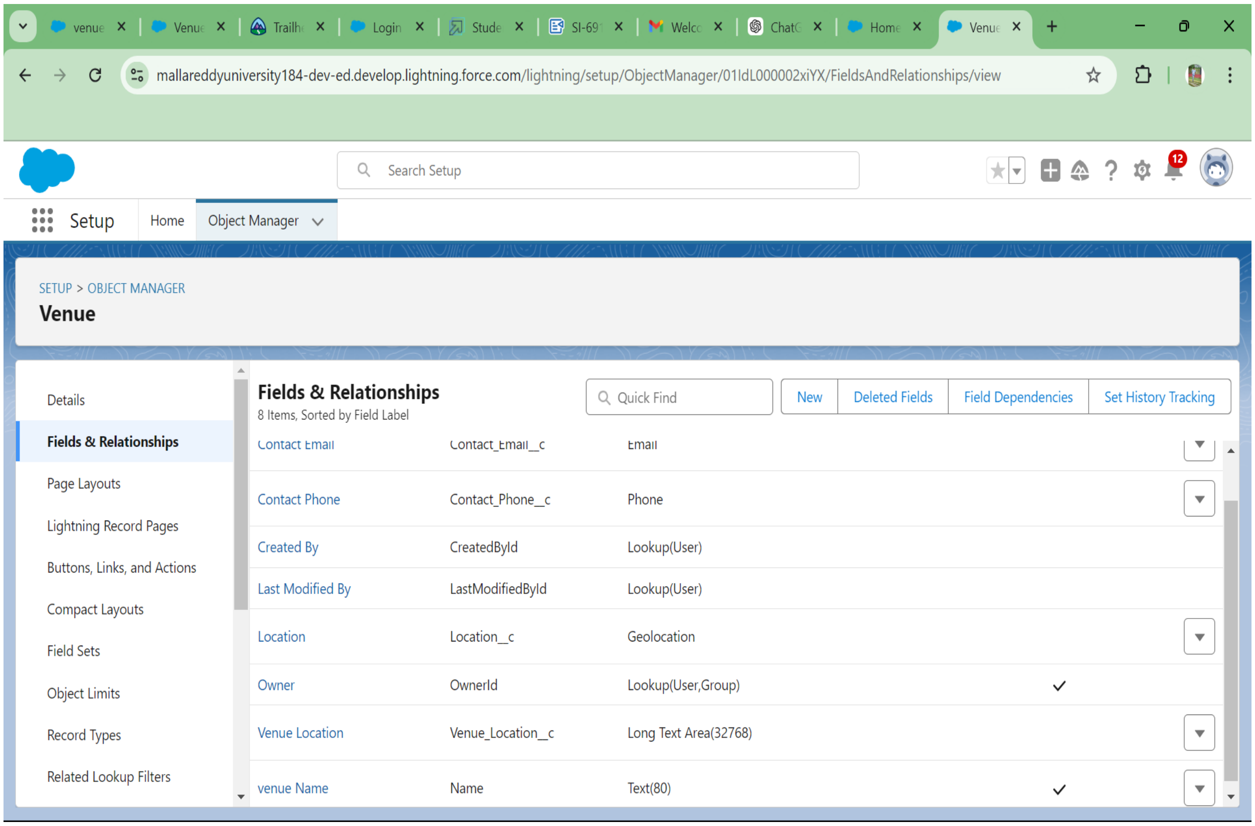
1. Go to setup >> click on Object Manager >> type object name(Venue) in search bar >>click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Geolocation” and Click on Next
4. Fill the Above as following:
   - Field Label : Location
   - Decimal Places : 4
   - Field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

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

## ***To create another fields in an object:***

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

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

***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

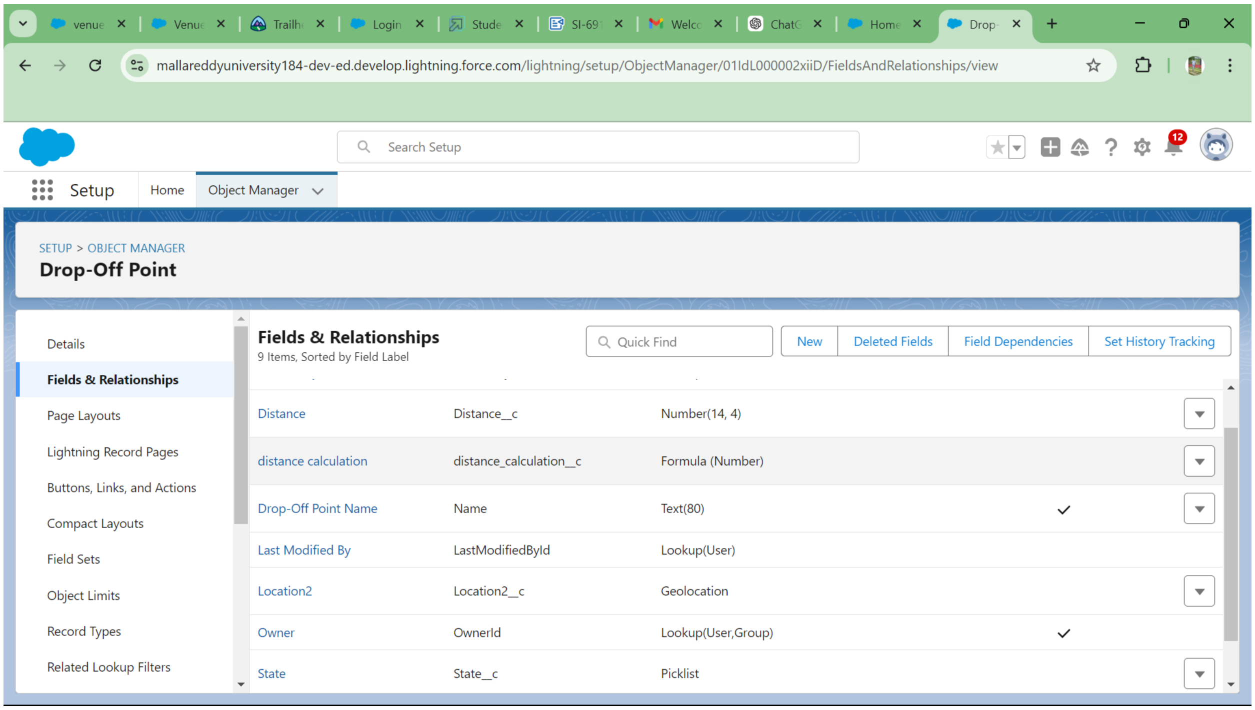
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Tripura
Telangana
Uttar Pradesh
Uttarakhand
West Bengal
Andaman & Nicobar (UT)
Chandigarh (UT)
Dadra & Nagar Haveli and Daman & Diu (UT)
Delhi [National Capital Territory (NCT)]
Jammu & Kashmir (UT)
Ladakh (UT)
Lakshadweep (UT)
Puducherry (UT)

- 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***

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

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

***To create another fields in an object:***

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

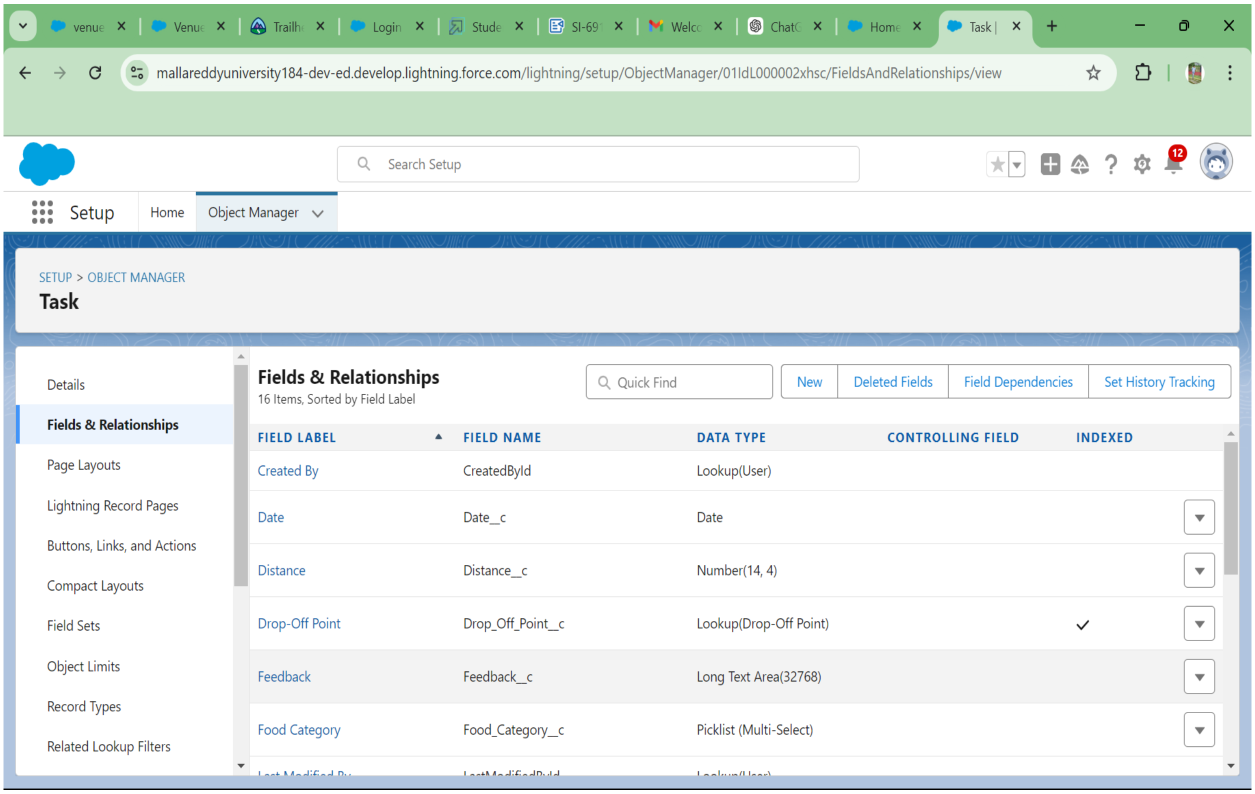
      3

      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.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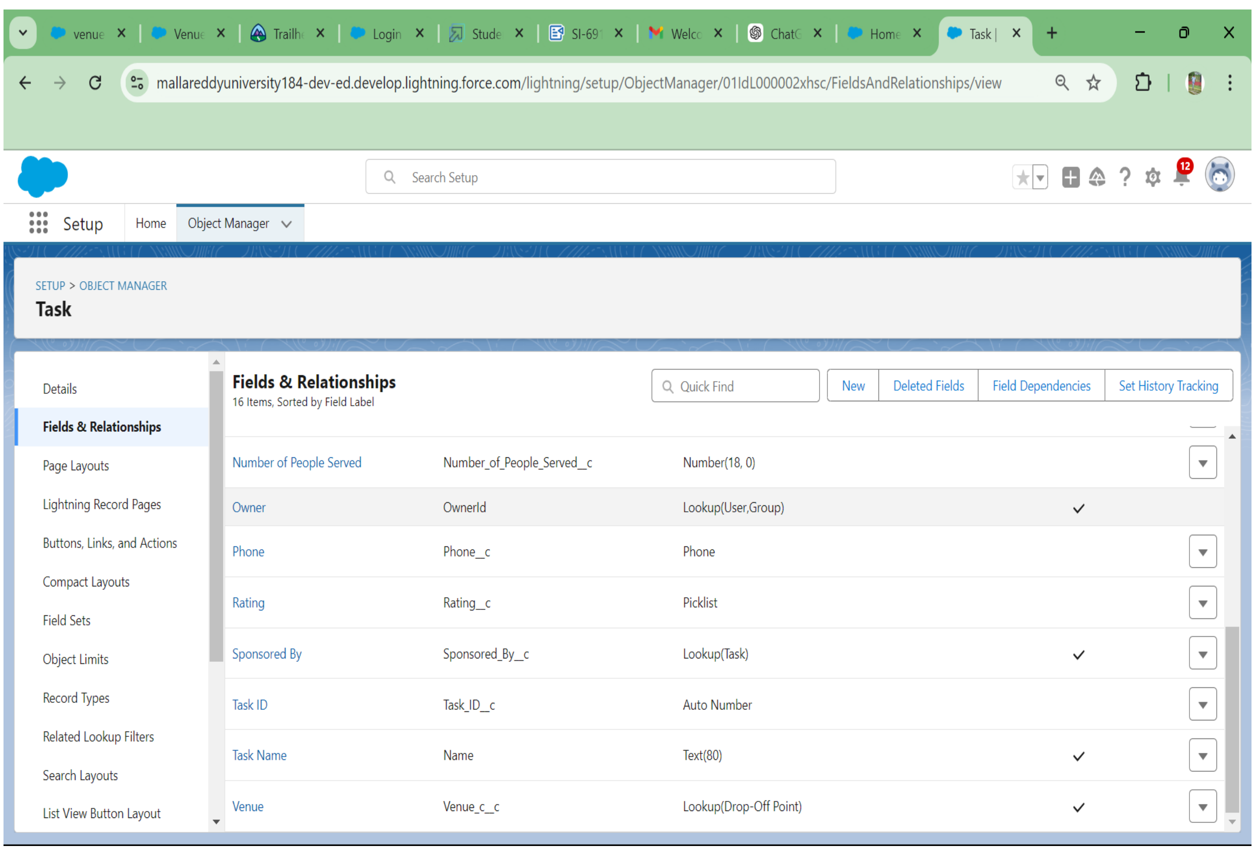
Search Setup
Setup
Home
Object Manager
SETUP > OBJECT MANAGER
Task
Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Fields & Relationships
16 Items, Sorted by Field Label
Quick Find
New
Deleted Fields
Field Dependencies
Set History Tracking
FIELD LABEL
FIELD NAME
DATA TYPE
CONTROLLING FIELD
INDEXED
Created By
CreatedById
Lookup(User)
Date
Date__c
Date
Distance
Distance__c
Number(14, 4)
Drop-Off Point
Drop_Off_Point__c
Lookup(Drop-Off Point)
Feedback
Feedback__c
Long Text Area(32768)
Food Category
Food_Category__c
Picklist (Multi-Select)


mallareddyuniversity184-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01IdL000002xhsc/FieldsAndRelationships/view
Search Setup
Setup
Home
Object Manager
SETUP > OBJECT MANAGER
Task
Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
List View Button Layout
Fields & Relationships
16 Items, Sorted by Field Label
Quick Find
New
Deleted Fields
Field Dependencies
Set History Tracking
Number of People Served
Number_of_People_Served__c
Number(18, 0)
Owner
OwnerId
Lookup(User,Group)
Phone
Phone__c
Phone
Rating
Rating__c
Picklist
Sponsored By
Sponsored_By__c
Lookup(Task)
Task ID
Task_ID__c
Auto Number
Task Name
Name
Text(80)
Venue
Venue_c__c
Lookup(Drop-Off Point)

***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:

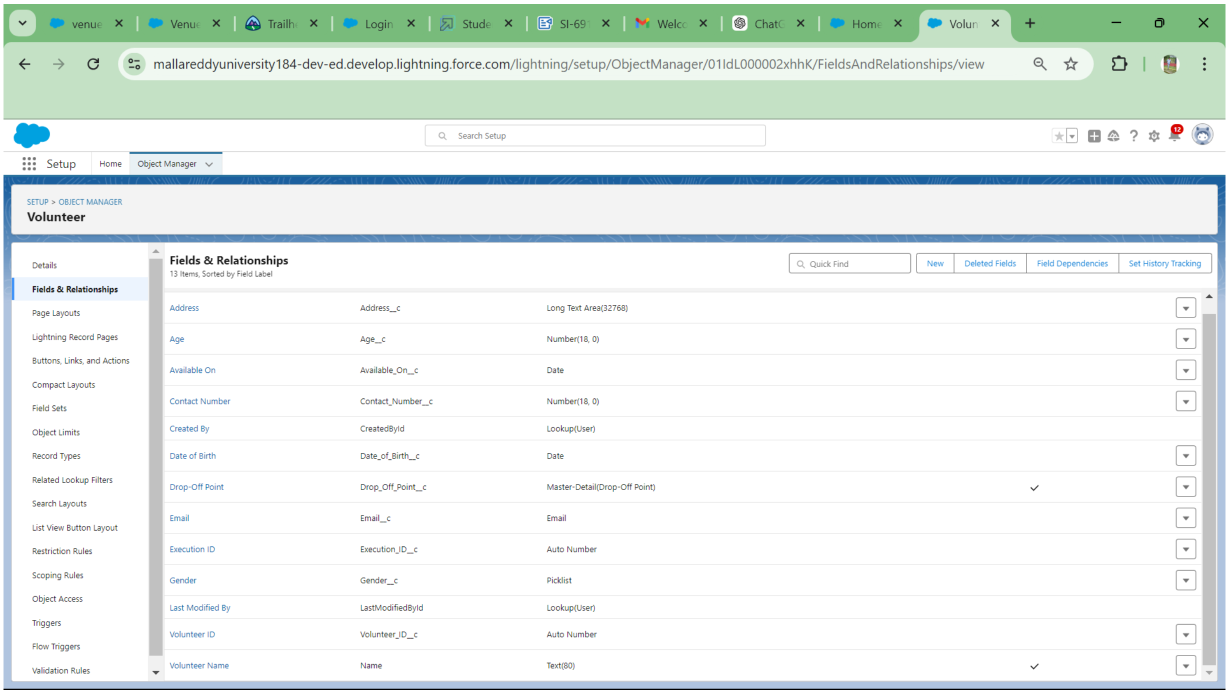
- Field Label : Contact Number
- Field Name : Contact_Number
- Click on required check box
- Click on Next >> Next >> Save and new.

***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:***

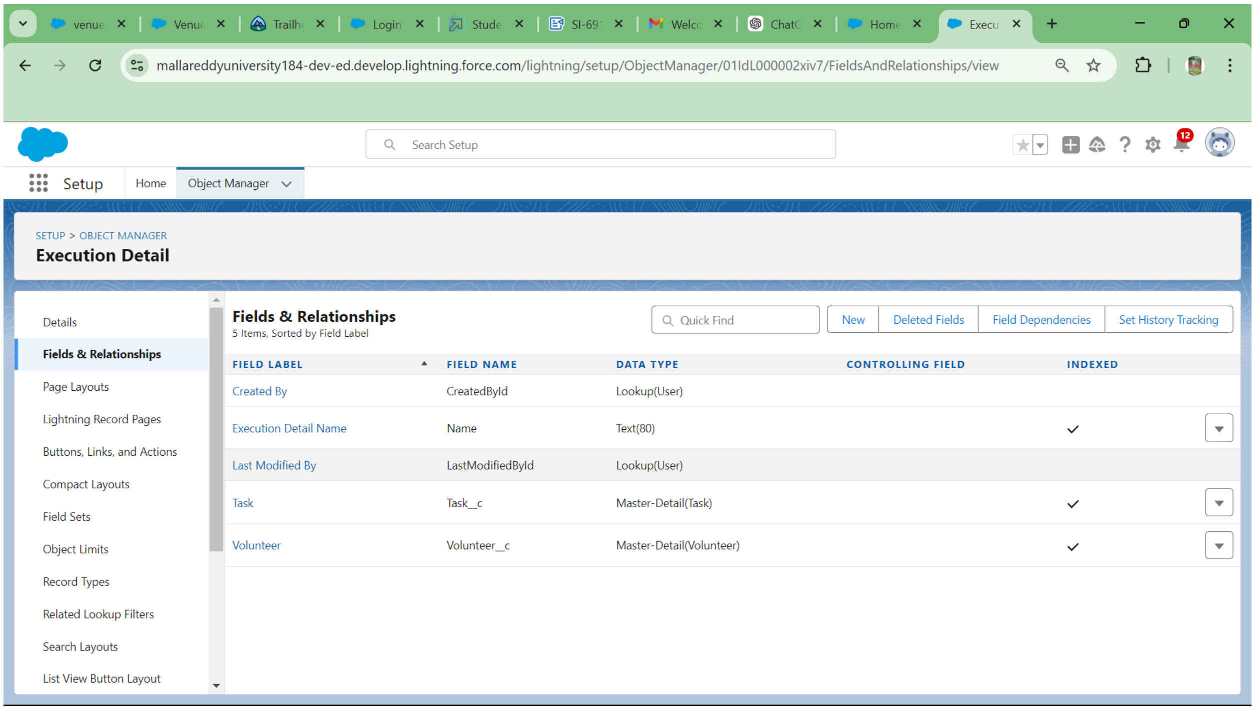
25. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
26. Now click on “Fields & Relationships” >> New
27. Select Data type as a “Date” and Click on Next
28. Fill the Above as following:
    - Field Label : Date of Birth
    - Field Name : Date_of_Birth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




### ***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:

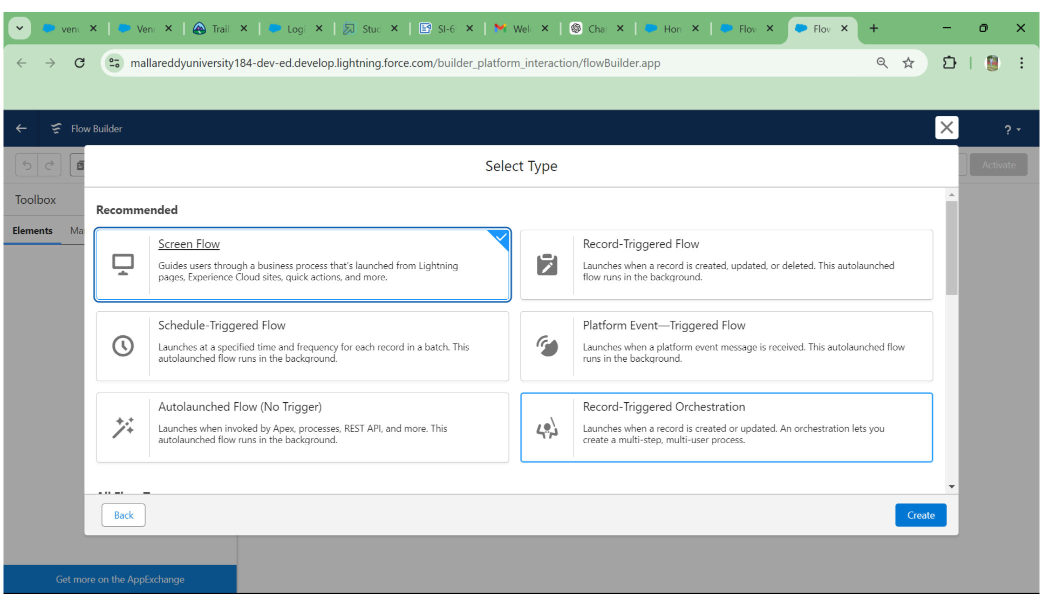
- Field Label : Execution ID
- Field Name : gets auto generated
- Click on required check box
- Click on Next >> Next >> Save and new.




# TASK 6: FLOWS

## *Create Flow to create a record in Venue object*

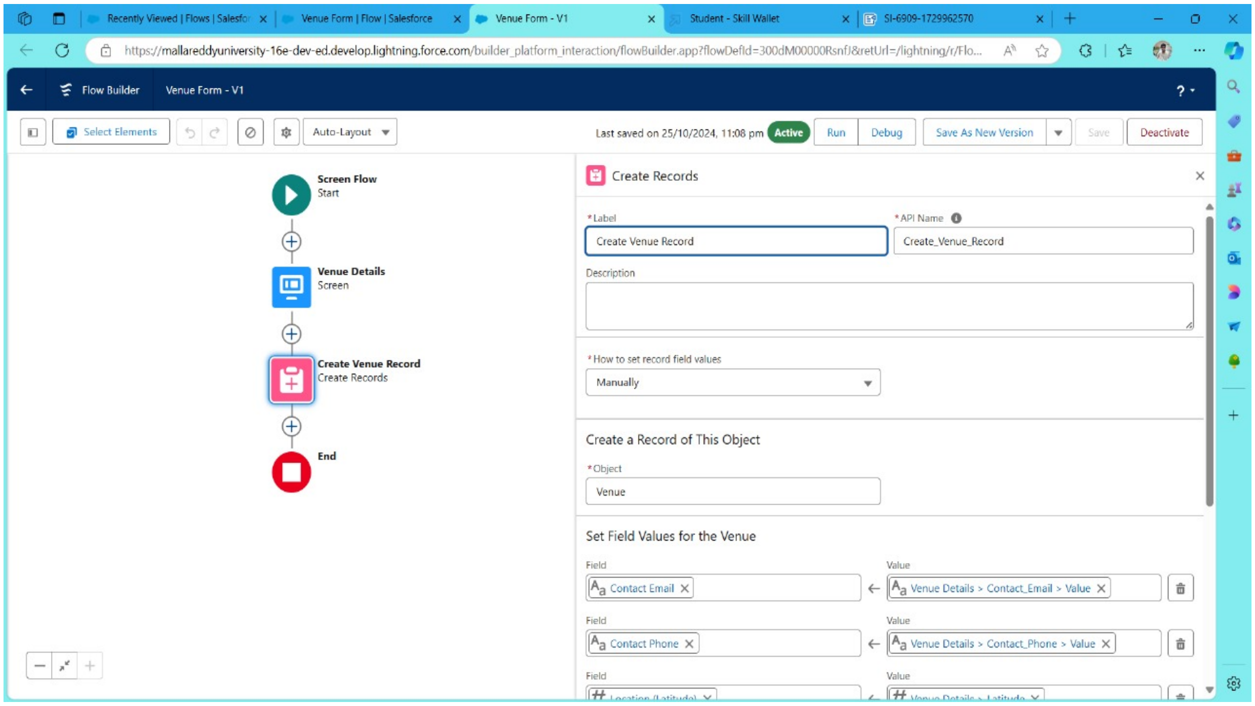
1. Go to setup >> type Flow in quick find box >> Click on the Flow and Select the New Flow.
2. Select the Screen flow. Click on create.



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:

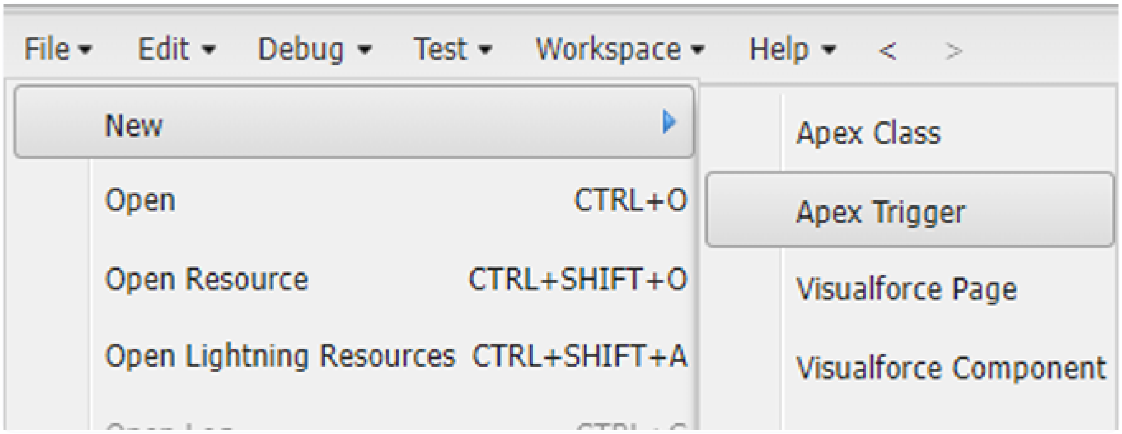


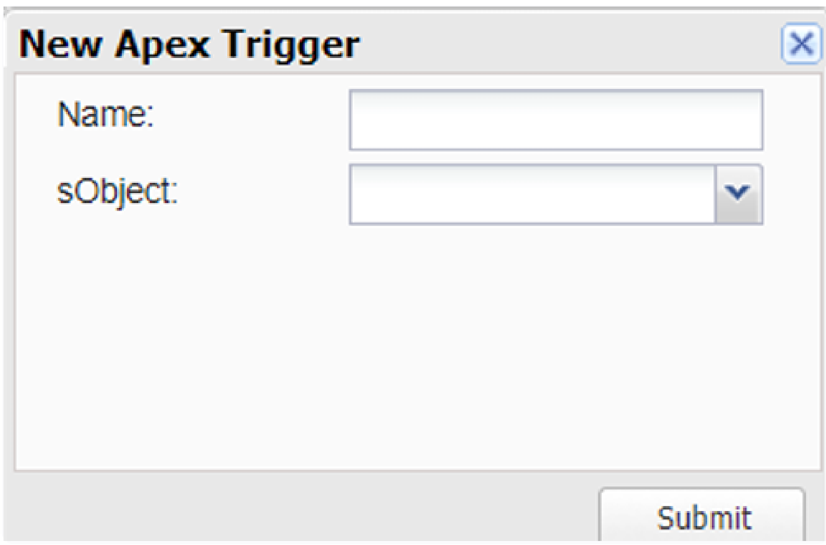

15. Click on Save as:
Flow Label : Venue Form
Flow API Name : Venue_Form

# 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

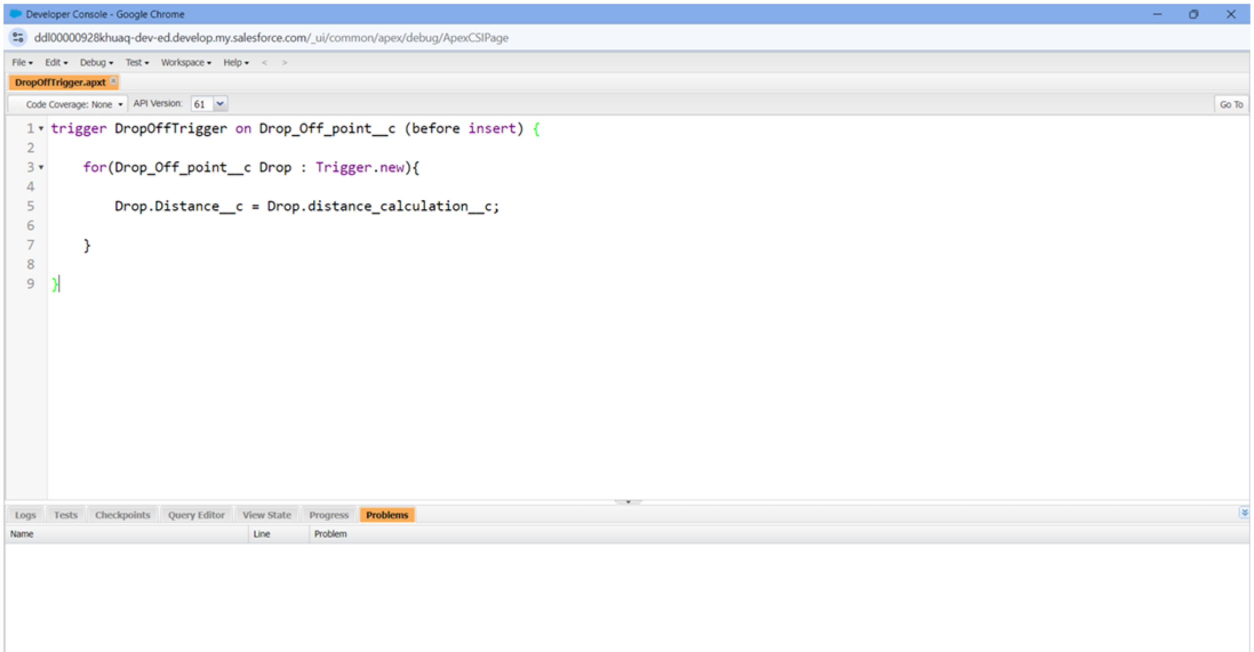
***Trigger Code***

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

***Code:***

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

```
  }
}
```

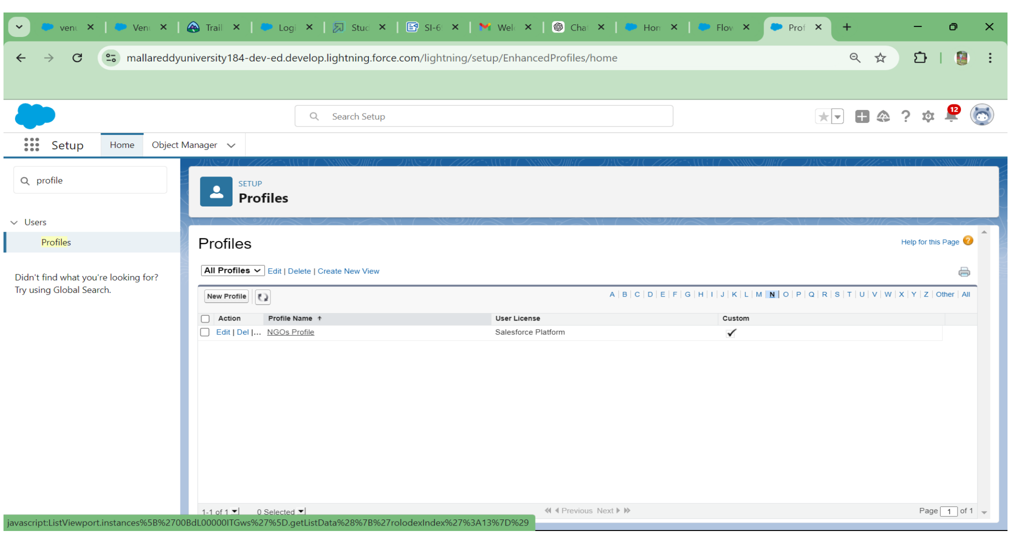



# TASK 8: Profiles

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

    Profile Name : NGOs Profile

1. Then click on Save



# TASK 9 : Creation of Users

In our Project we 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 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 : 2111cs010329@mallareddyuniversity.ac.in

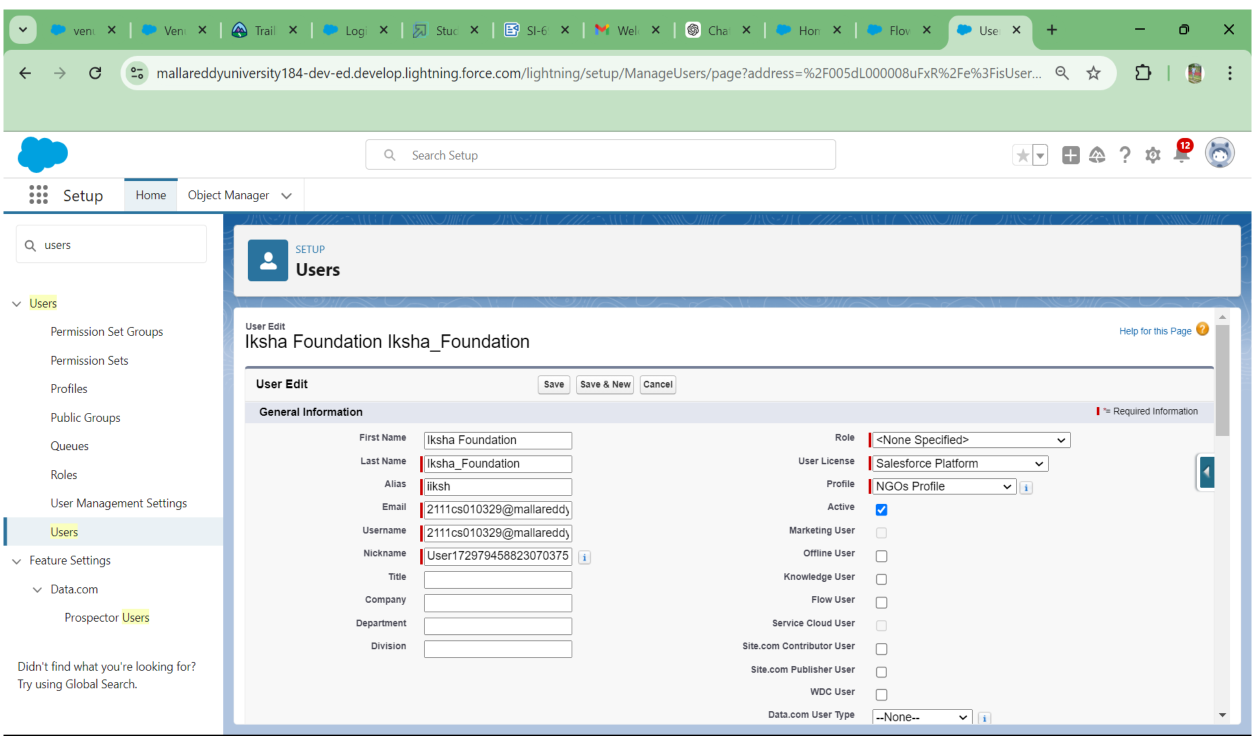
    Username : 2111cs010329@mallareddyuniversity.ac.in

    Nickname : Auto Populated

    User License : Salesforce Platform

    Profile : NGOs Profile

    Active : Check

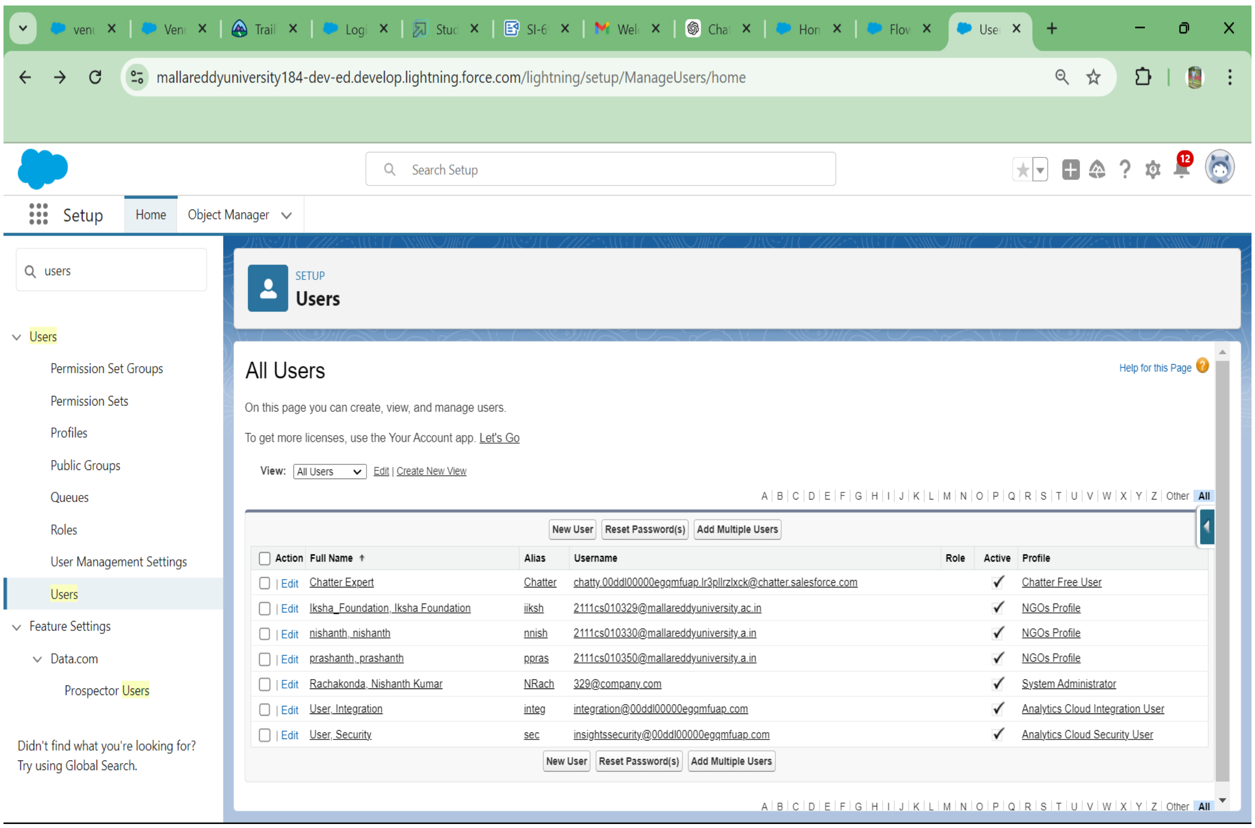



3. Click on Save

### ***Creation of User2, User3***

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

Give Different First Name, Last Name based on Different NGO’s.



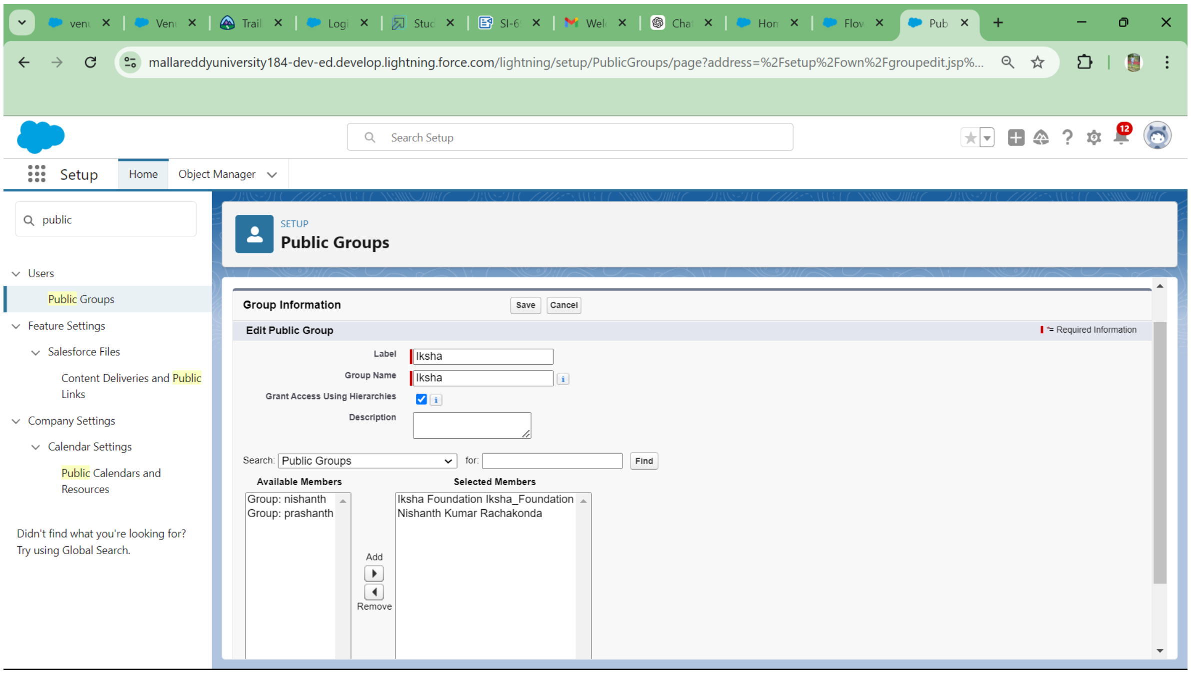
# TASK 10:Public Groups

### ***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:

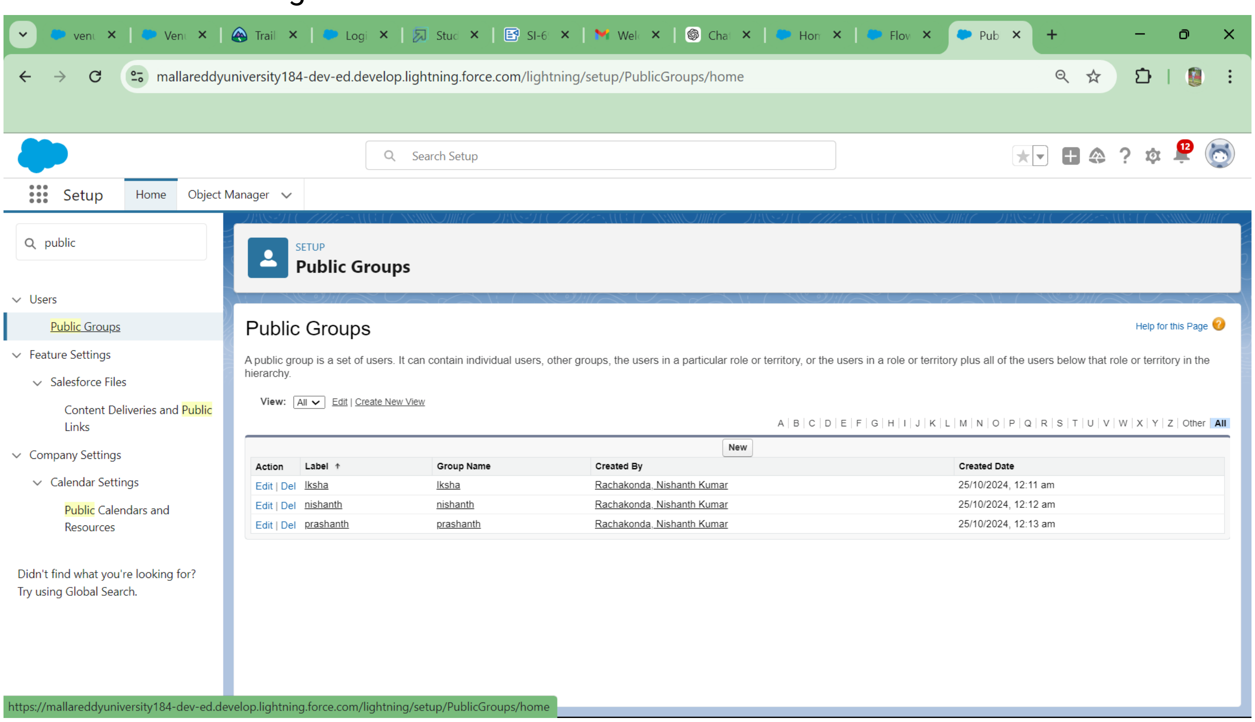
   Label : Iksha

   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

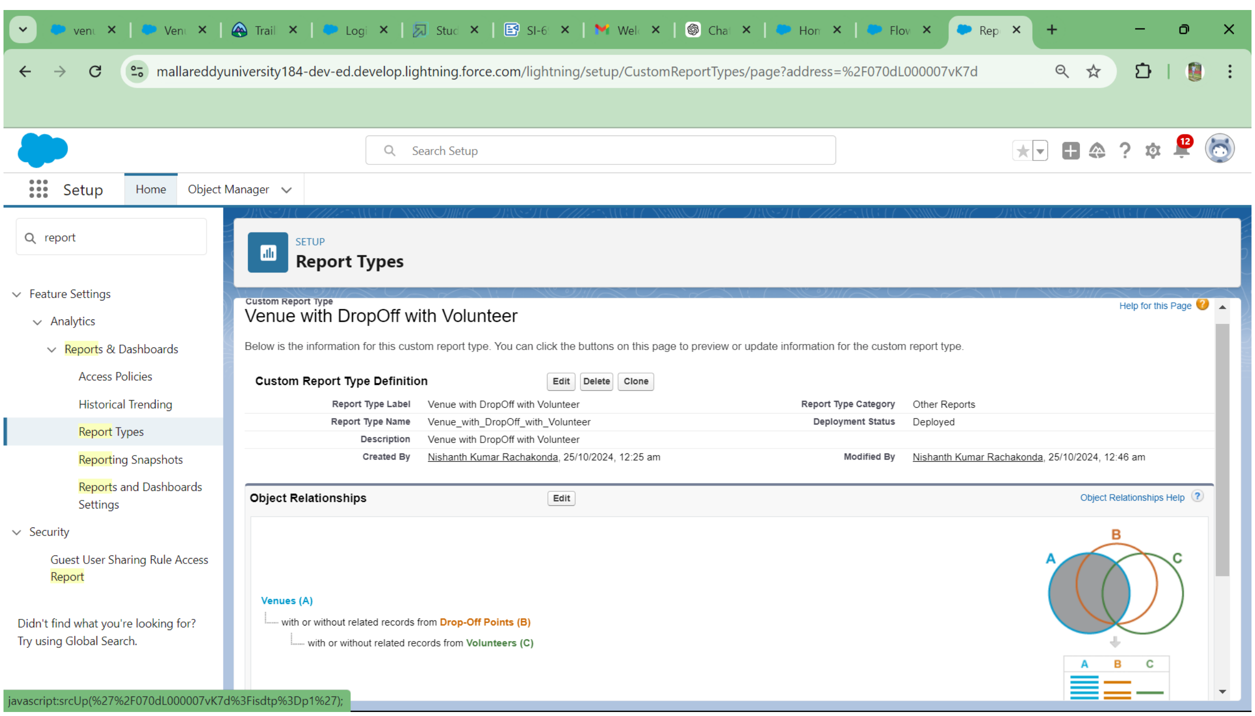
1. By Following Steps in Activity 1, Create other two Public Groups for other two users.
2. After Saving this would look like this.



# TASK 11: Report Types

***Creation of Report Types***

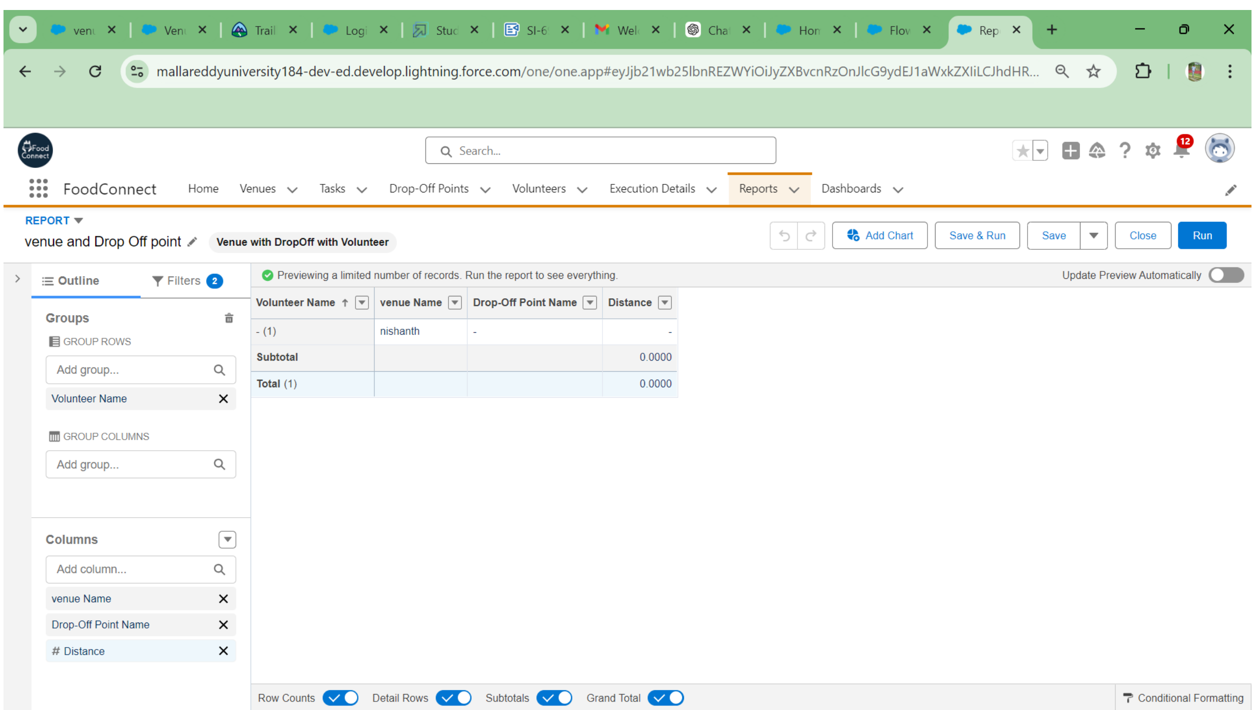
1. Go to setup page >> type Report Types in Quick Find bar >> click on Report Types >> click on Continue >> Click on New Custom Report Type.
2. In Define the Custom Report Type:
   Primary Object : Select Venues
   Report Type Label : Venue with DropOff with Volunteer
   Report Type Name : Venue_with_DropOff_with_Volunteer
   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.



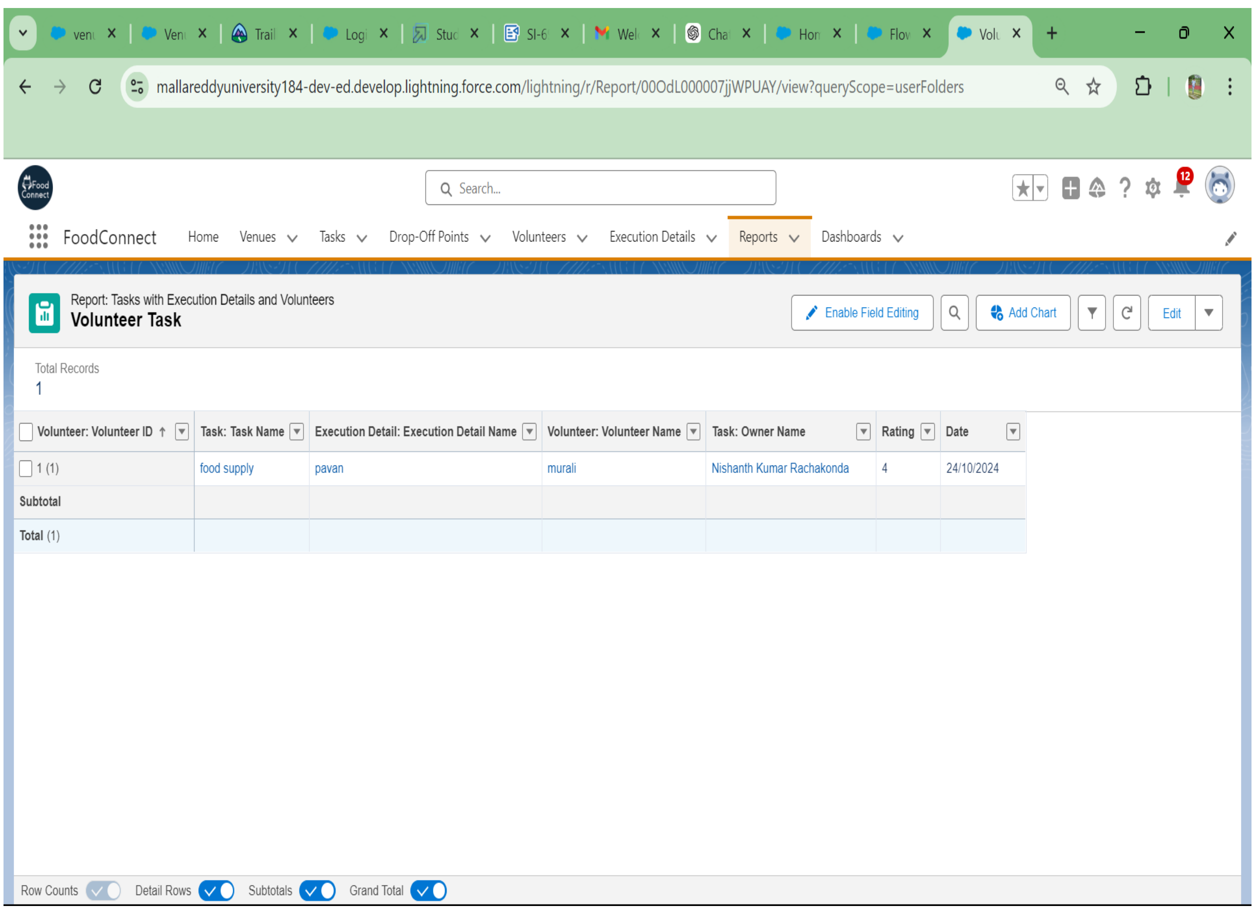
***Creation of Report on Volunteers with Execution Details and Tasks***

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

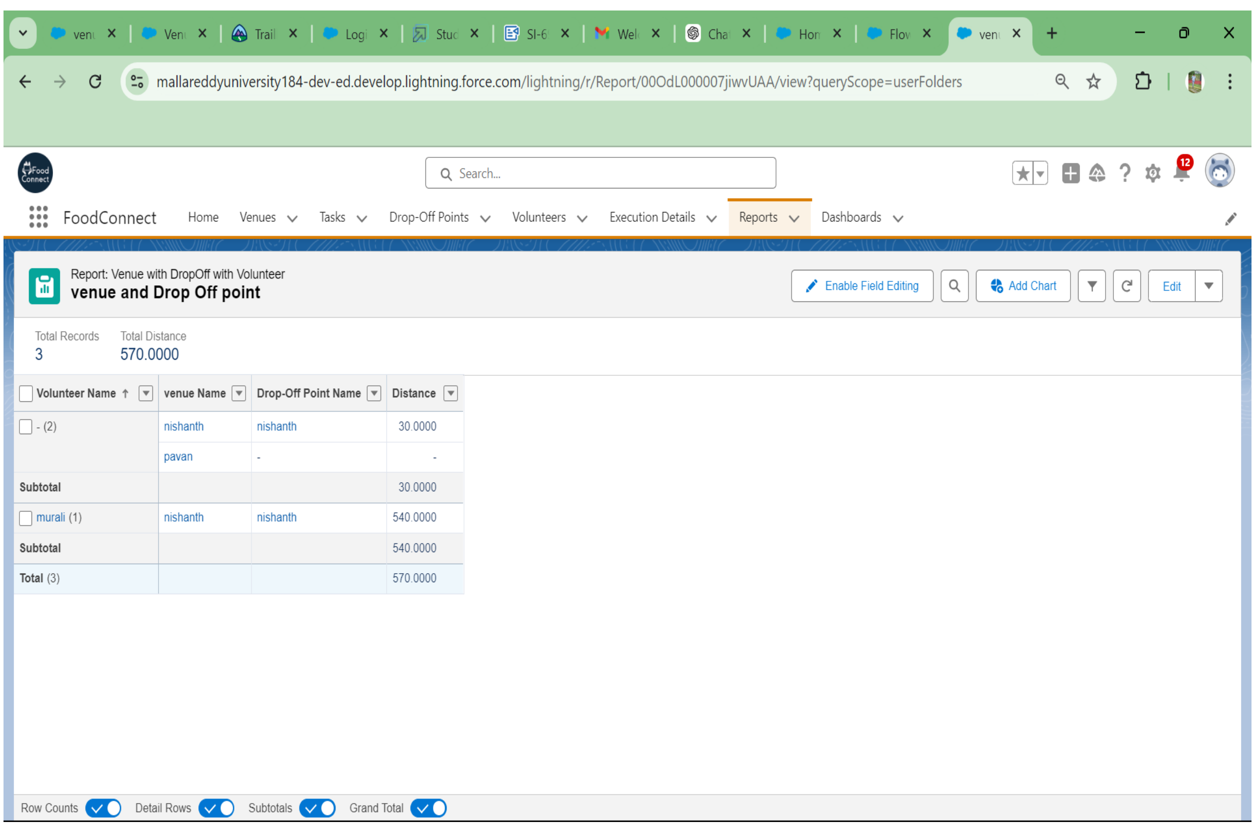
1. Click on Select Folder and select Custom Report, then click on Save.



# 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)



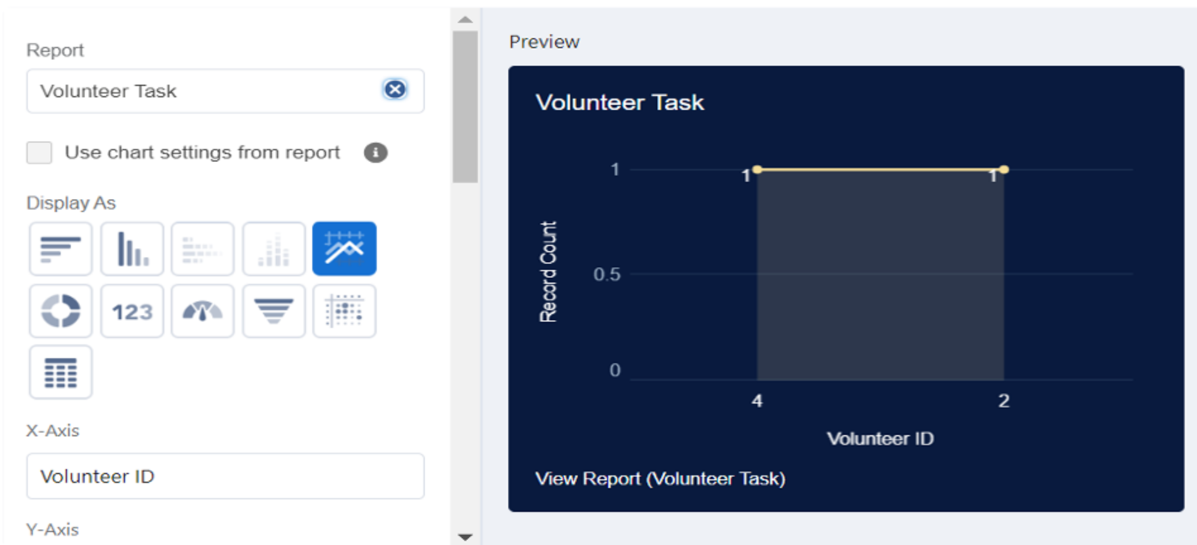
Now click on save.

***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):***

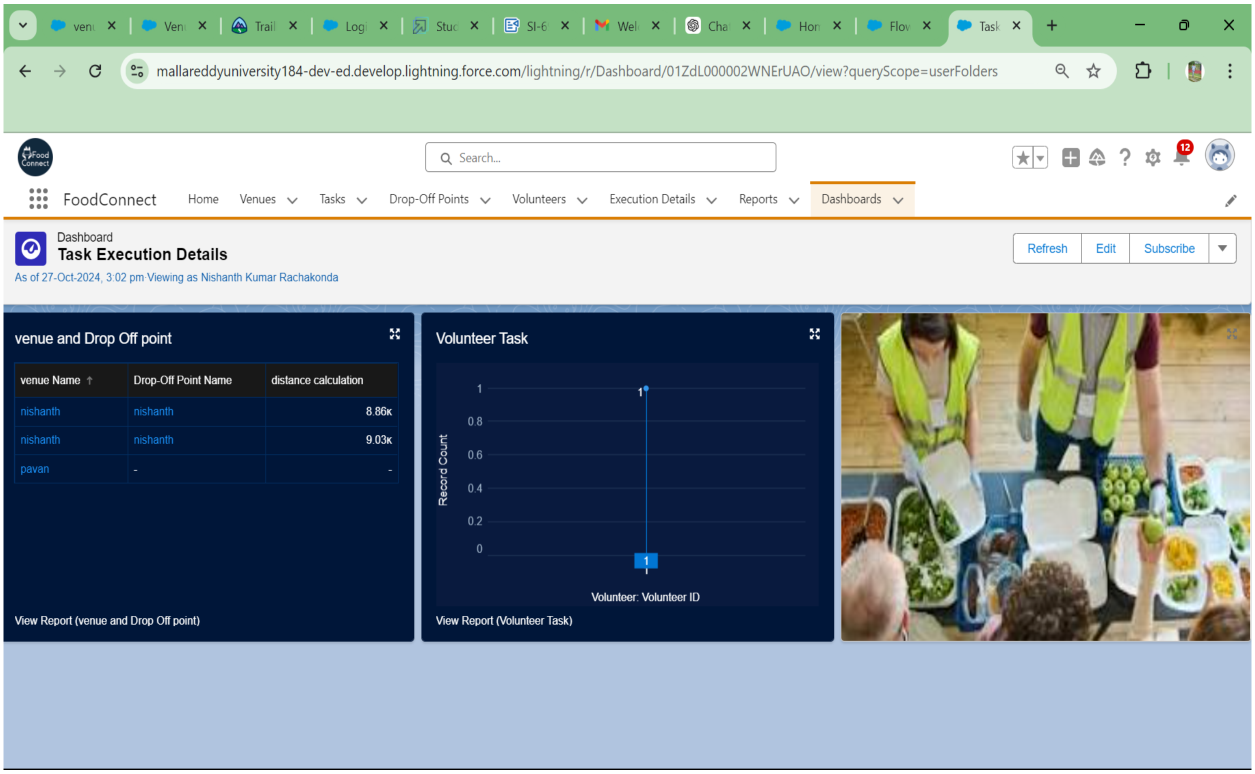
(Note : To upload an image into the Dashboard, we have to first download an image from google or other sources into your system)

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 it as:

Label : Rule 2

Rule Name : Rule_2

9. Select your rule type : Select Based on criteria.
10. Select which records to be shared:

    Field : Operator : Value = Distance : greater than : 15

    Field : Operator : Value = Distance : less or equal : 30
11. Select the users to share with : Near Share With

    Public Groups : NSS
12. Click on Save.
13. Click on new near Drop-Off point Sharing Rules and Name it as:

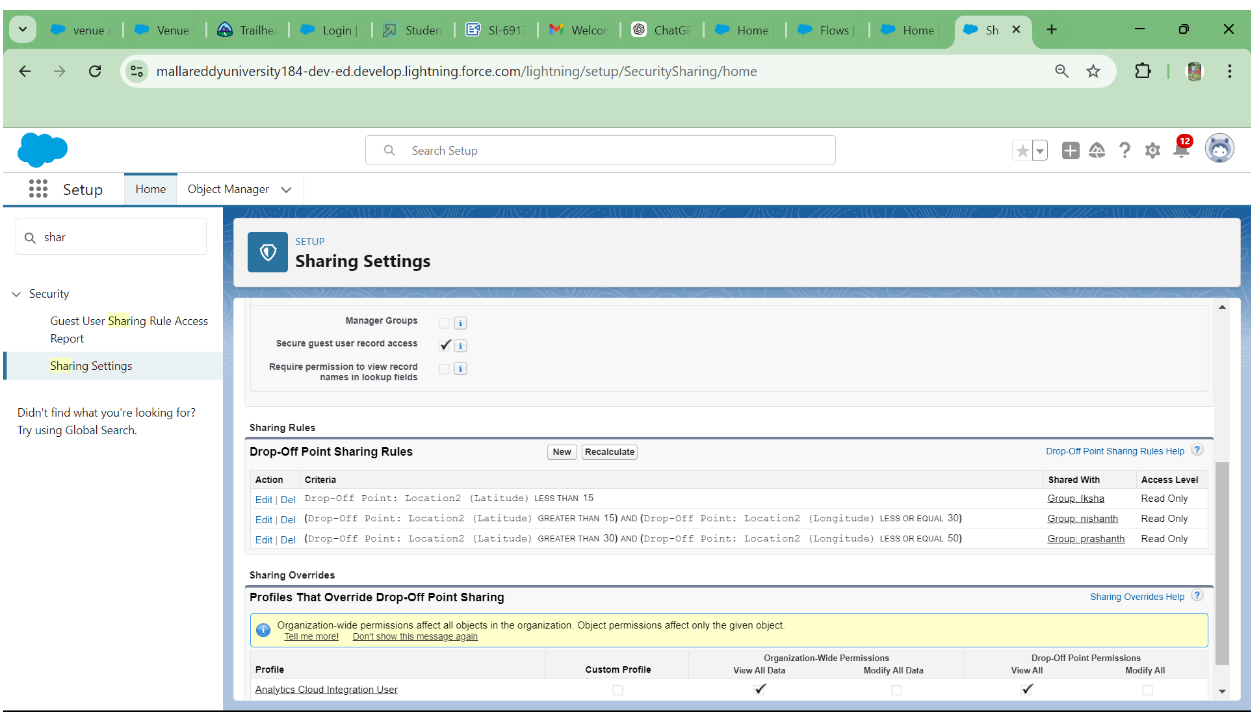
    Label : Rule 3

    Rule Name : Rule_3
14. Select your rule type : Select Based on criteria.
15. Select which records to be shared:

    Field : Operator : Value = Distance : greater than : 30

    Field : Operator : Value = Distance : less or equal : 50
16. Select the users to share with : Near Share With

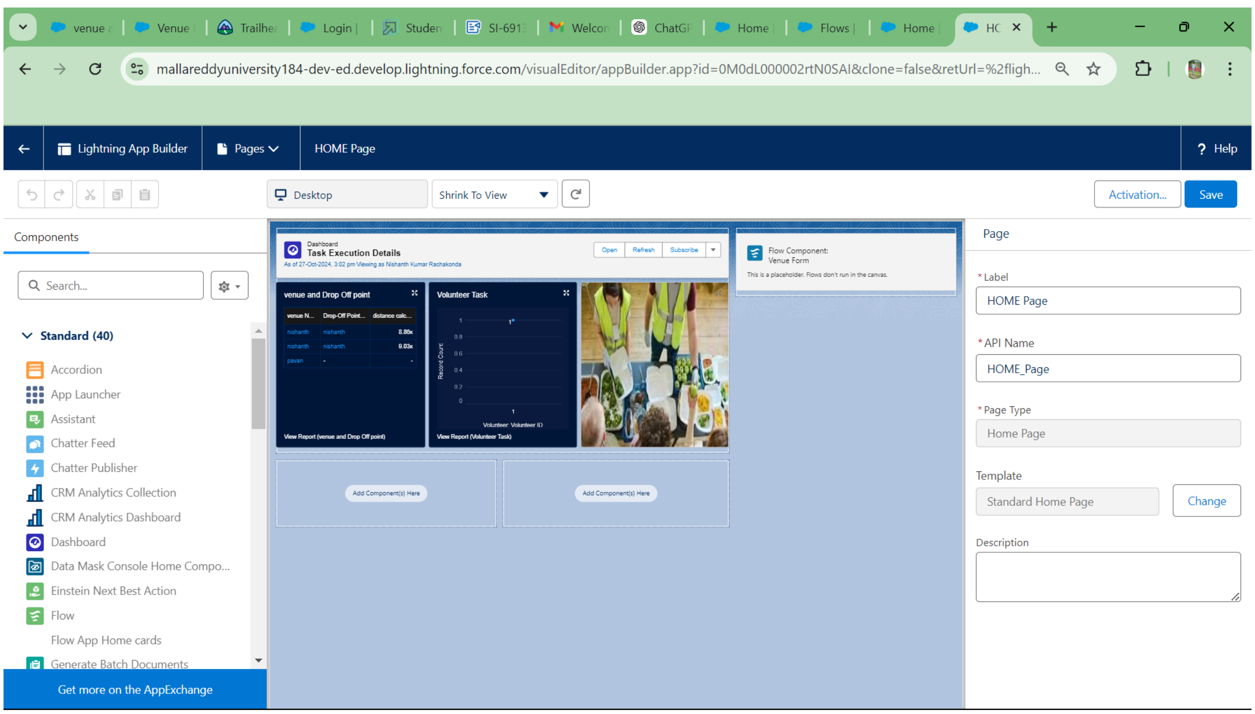
    Public Groups : Street Cause
17. Click on Save.



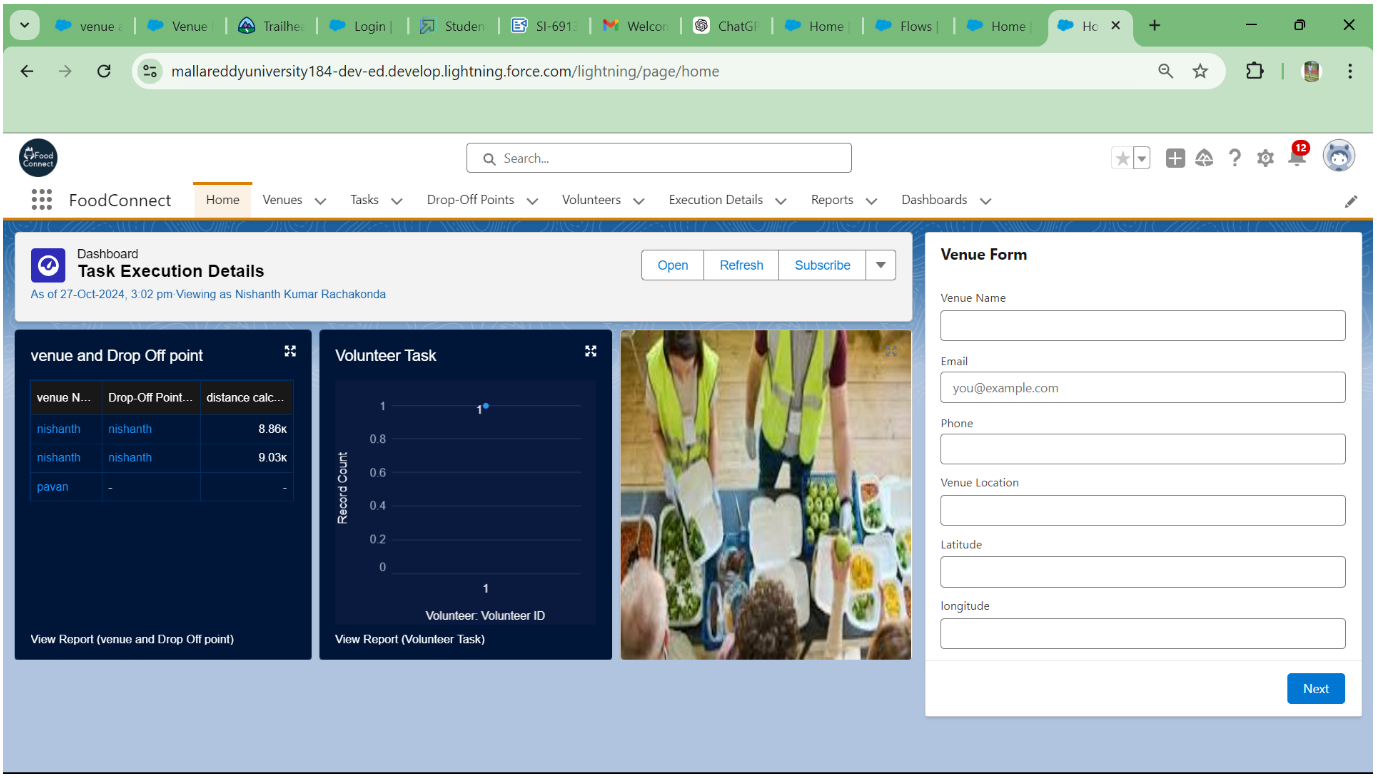
# TASK 15:Home Page

***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

In conclusion, the Food Connect app for Salesforce serves as a transformative solution for managing food donations and addressing food insecurity within communities. By leveraging Salesforce's powerful CRM platform, the app streamlines the process of connecting food donors, such as grocery stores, restaurants, and individuals, with nonprofits and food banks, ensuring that surplus food reaches those who need it most. This app enhances efficiency, transparency, and accountability, allowing organizations to track donations, manage logistics, and maintain communication with donors and recipients effectively. Through this streamlined process, the Food Connect app not only reduces food waste but also strengthens community bonds and fosters a culture of giving. Overall, it provides a scalable, tech-driven approach to tackling hunger and waste, positioning organizations to make a greater impact in creating a more sustainable and supportive food system.