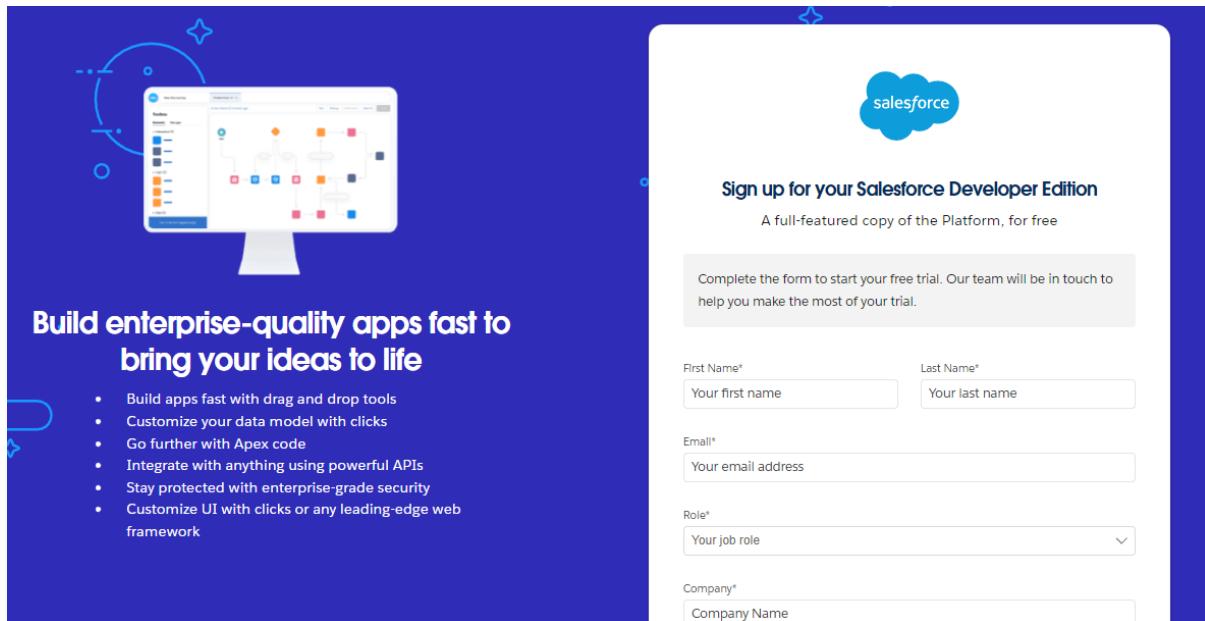


# To Supply Leftover Food to Poor

## Salesforce developer account creation

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

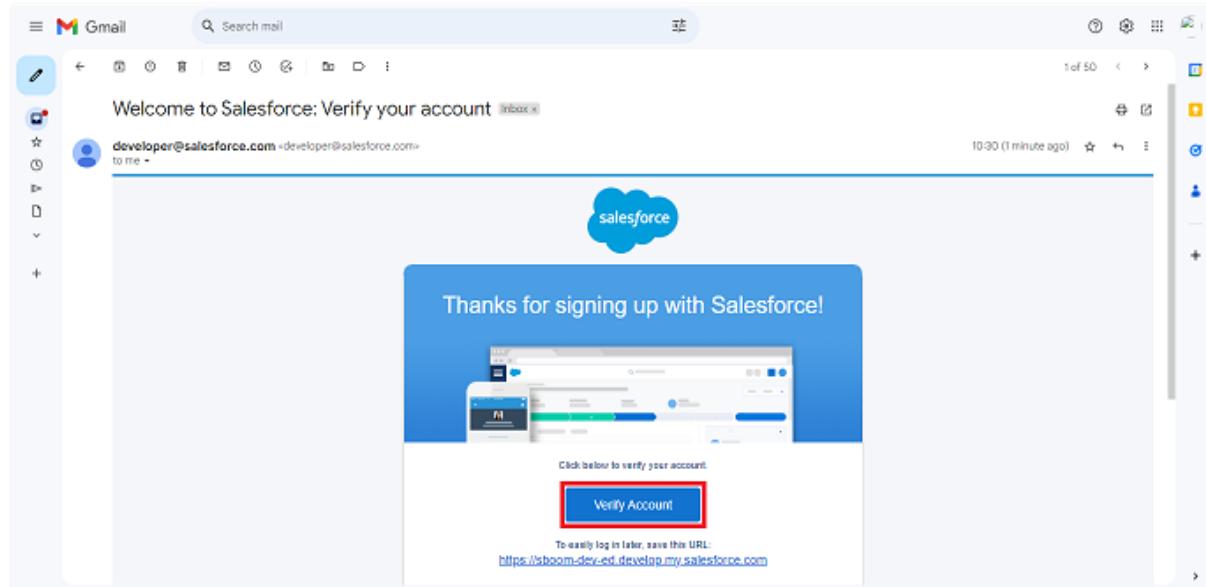
This need not be an actual email id, you can give anything in the format :

username@organization.com

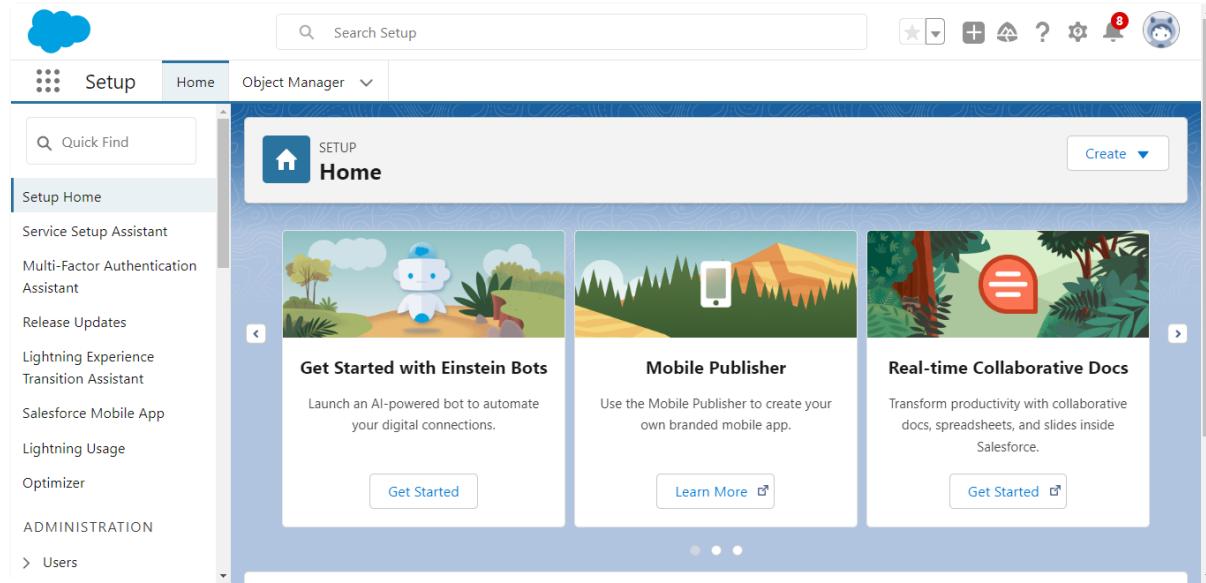
Click on sign me up after filling these.

## 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.

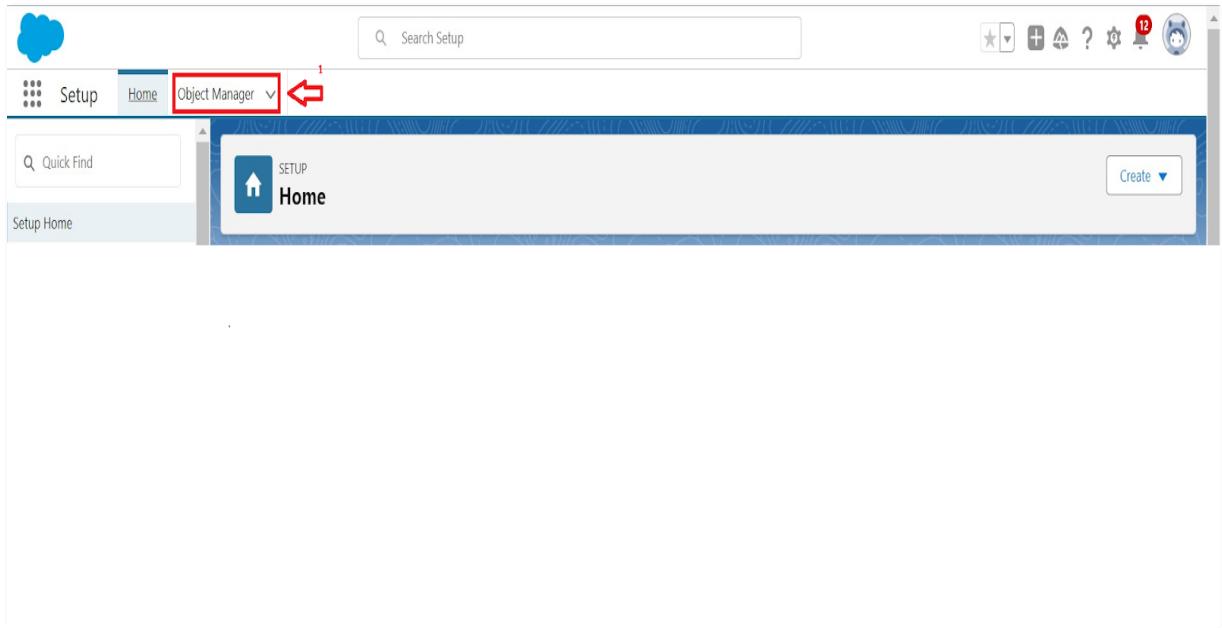
A screenshot of the Salesforce "Change Your Password" page. It asks for a new password for the user "lead@sboom.com". It specifies that the password must include at least 8 characters, 1 letter, and 1 number. The "New Password" field contains "....." and is labeled "Good". The "Confirm New Password" field also contains "....." and is labeled "Match". Below these fields is a "Security Question" section with the question "In what city were you born?". The "Answer" field contains "asdfghjkl". A large red box highlights the "New Password", "Confirm New Password", "Security Question", and "Answer" fields, as well as the "Change Password" button.

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.



## Object

To Navigate to Setup page:



To create an object:

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

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

**New Custom Object**

Custom Object Definition Edit

Custom Object Information

The singular and plural labels are used in tabs, page layouts, and reports.

Label	Example: Account
Plural Label	Example: Accounts

Starts with vowel sound

The Object Name is used when referencing the object via the API.

Object Name	Example: <b>Account</b>
-------------	-------------------------

Description

Context-Sensitive Help Setting

Open the standard Salesforce.com Help & Training window  
 Open a window using a Visualforce page

Content Name

Enter Record Name Label and Format

The Record Name appears in page layouts, key lists, related lists, and search results. For example, the Record Name for Account is "Account Name" and for Case it is "Case Number". Note that the Record Name field is always called "Name" when referenced via the API.

Record Name	Example: <b>Account Name</b>
-------------	------------------------------

Data Type

Optional Features

Allow Reports **4**  
 Allow Activities  
 Track Field History

**Object Classification**  
When these settings are enabled, this object is classified as an Enterprise Application object. When these settings are disabled, this object is classified as a Light Application object. [Learn more.](#)

Allow Sharing  
 Allow Bulk API Access  
 Allow Streaming API Access

**Deployment Status**  
 In Development  
 Deployed

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

Allow Search 1

**Object Creation Options (Available only when custom object is first created)**

Add Notes and Attachments related list to default page layout  
 Launch New Custom Tab Wizard after saving this custom object

2

4. Click on Save.

## 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. Allow search >> Save.

## Create Execution Details Object

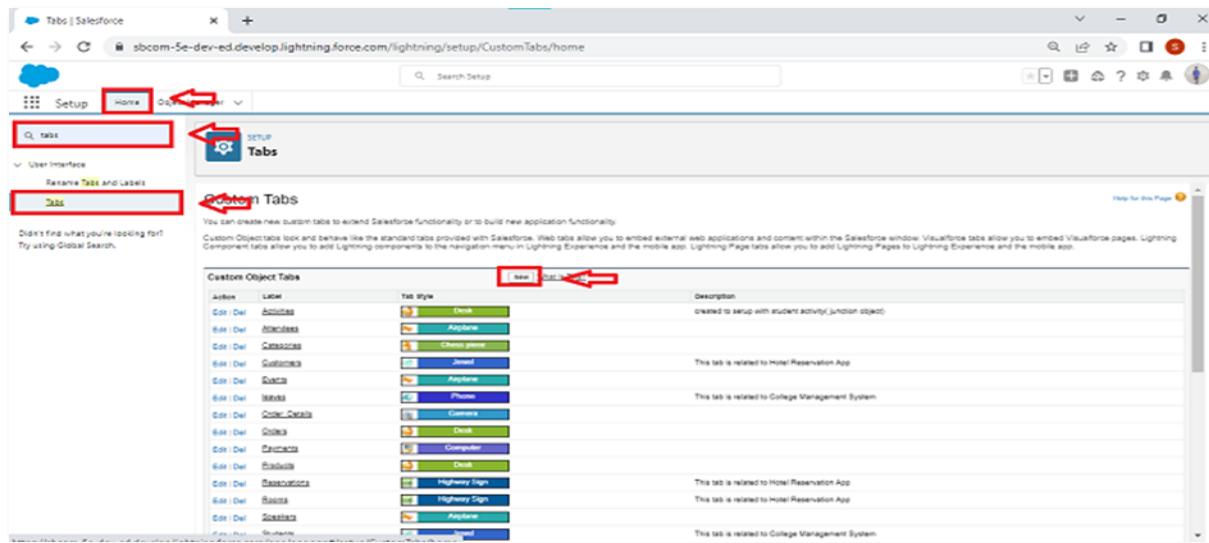
To create an object:

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.

# Creating a Custom Tab

To create a Tab:(Venue)

1. Go to setup page >> type Tabs in Quick Find bar >> click on tabs >> New (under custom object tab)



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

# Creating Remaining Tabs

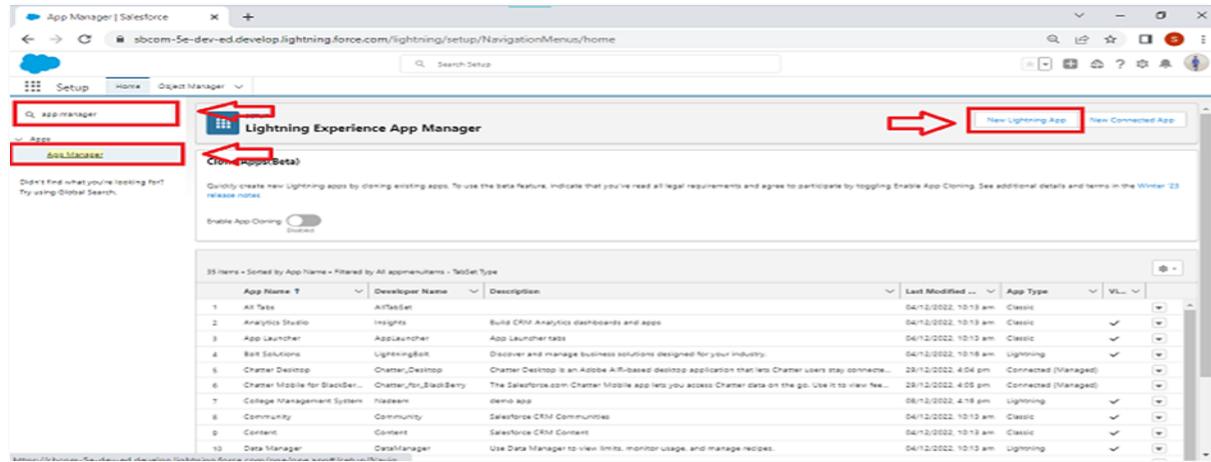
1. Now create the Tabs for the remaining Objects, they are “Drop-Off Point, Task, Volunteer, Execution Details”.
2. Follow the same steps as mentioned in Activity -1 .

# The Lightning App

## Create a Lightning App

**To create a lightning app page:**

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



2. Fill the app name in app details and branding as follow

App Name : FoodConnect

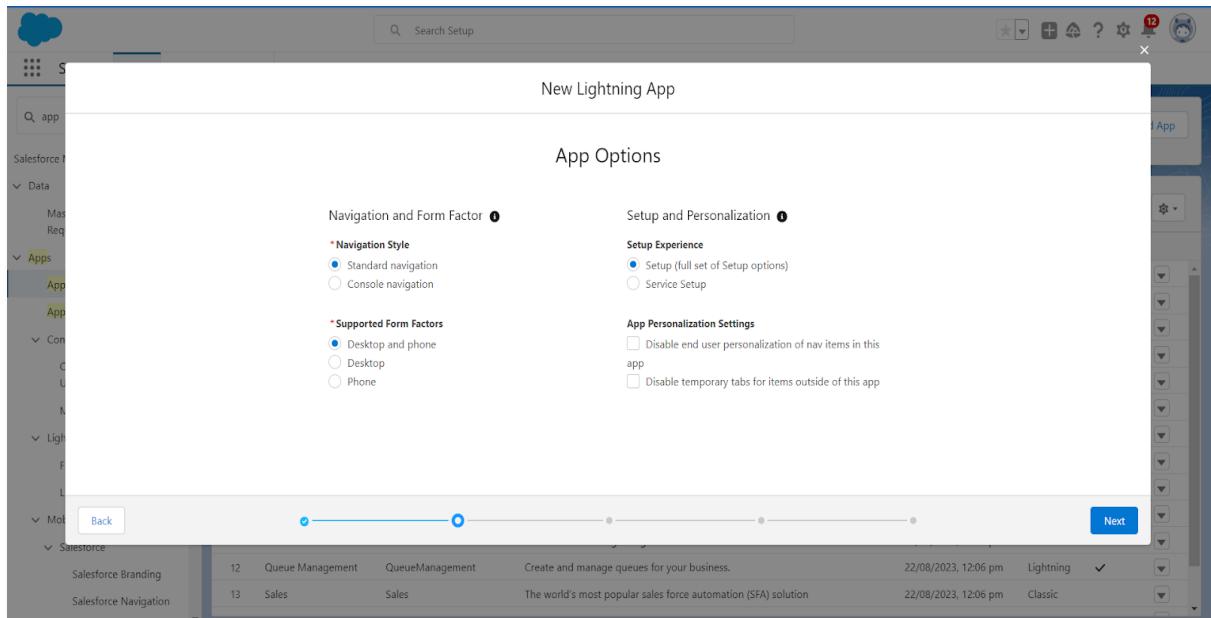
Developer Name : This will auto populated

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

Primary color hex value : keep this default.

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

>> Next.



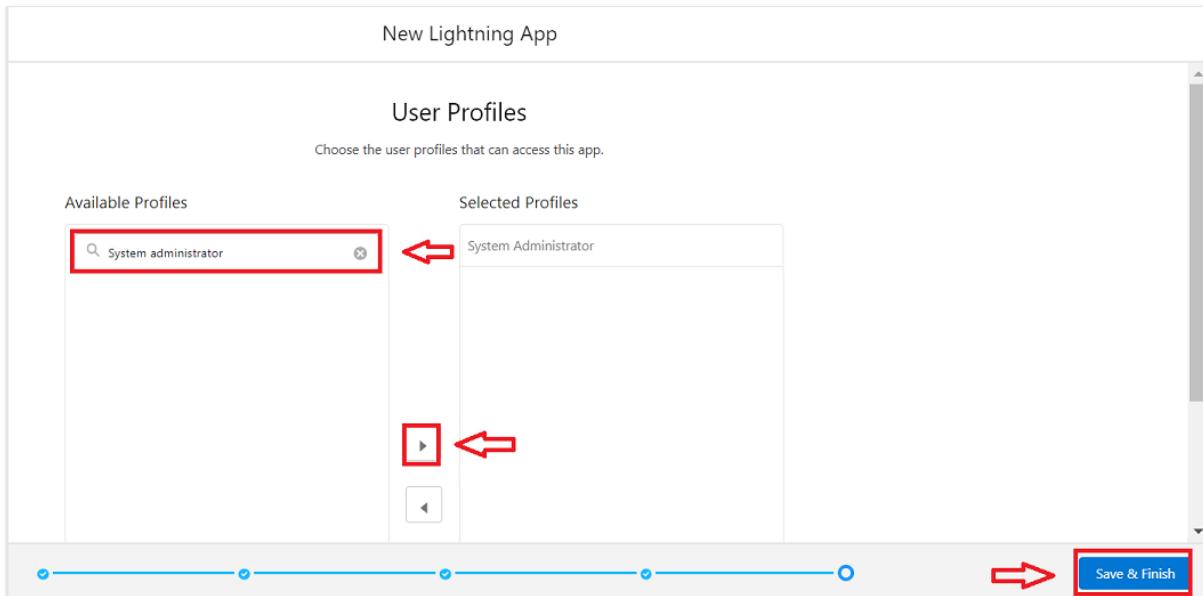
4. (Utility Items) keep it as default >> Next.

5. To Add Navigation Items:

Available Items		Selected Items	
<input type="checkbox"/>	Type to filter list...	<input type="checkbox"/>	Create ▾
	Accounts		Home
	All Sites		Venues
	Alternative Payment Methods		Tasks
	Analytics		Drop-Off points
	App Launcher		Execution Details
	Appointment Categories		Volunteers
	Appointment Invitations		Reports
	Approval Requests		Dashboards
	Asset Action Sources		
	Asset Actions		

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.

## Fields

### 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.

SETUP > OBJECT MANAGER  
Volunteer

Details  
**Fields & Relationships**  
Page Layouts  
Lightning Record Pages  
Buttons, Links, and Actions

Roll-Up Summary  
 Lookup Relationship  
 Master-Detail Relationship  
 External Lookup Relationship

A read-only field that displays the sum, minimum, or maximum value of a field in a related list or the record count of all records listed in a related list.  
Creates a relationship that links this object to another object. The relationship field allows users to click on a lookup icon to select a value from a popup list. The other object is the source of the values in the list.  
Creates a special type of parent-child relationship between this object (the child, or "detail") and another object (the parent, or "master") where:

- The relationship field is required on all detail records.
- The ownership and sharing of a detail record are determined by the master record.
- When a user deletes the master record, all detail records are deleted.
- You can create rollup summary fields on the master record to summarize the detail records.

The relationship field allows users to click on a lookup icon to select a value from a popup list. The master object is the source of the values in the list.  
Creates a relationship that links this object to an external object whose data is stored outside the Salesforce org.

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

Step 2. Choose the related object Step 2

Previous Next Cancel

Select the other object to which this object is related.

Related To  1

Previous Next Cancel 2

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

search bar >> click on the object.

2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Formula” and Click on Next
4. Fill the Above as following:
  - Field Label : distance calculation
  - Field Name : distance\_calculation
  - Formula Return Type : Number
  - Formula Options : DISTANCE( Location\_2\_\_c , Venue\_\_r.Location\_\_c , 'km')
  - Click on Next >> Next >> Save and new.

**Formula Options**

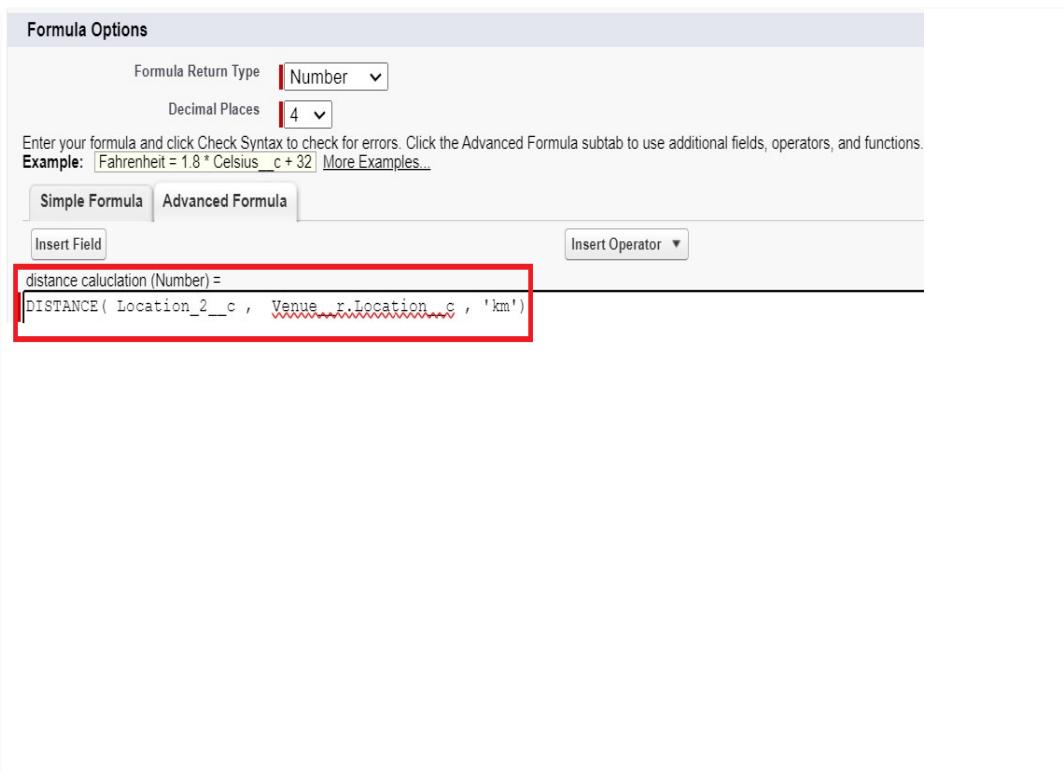
Formula Return Type: Number  
Decimal Places: 4

Enter your formula and click Check Syntax to check for errors. Click the Advanced Formula subtab to use additional fields, operators, and functions.  
Example: Fahrenheit = 1.8 \* Celsius\_c + 32 [More Examples...](#)

[Simple Formula](#) [Advanced Formula](#)

[Insert Field](#) [Insert Operator ▾](#)

distance calculation (Number) =  
DISTANCE( Location\_2\_\_c , Venue\_\_r.Location\_\_c , 'km')



To create another fields in an object:

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
  - 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.

## **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

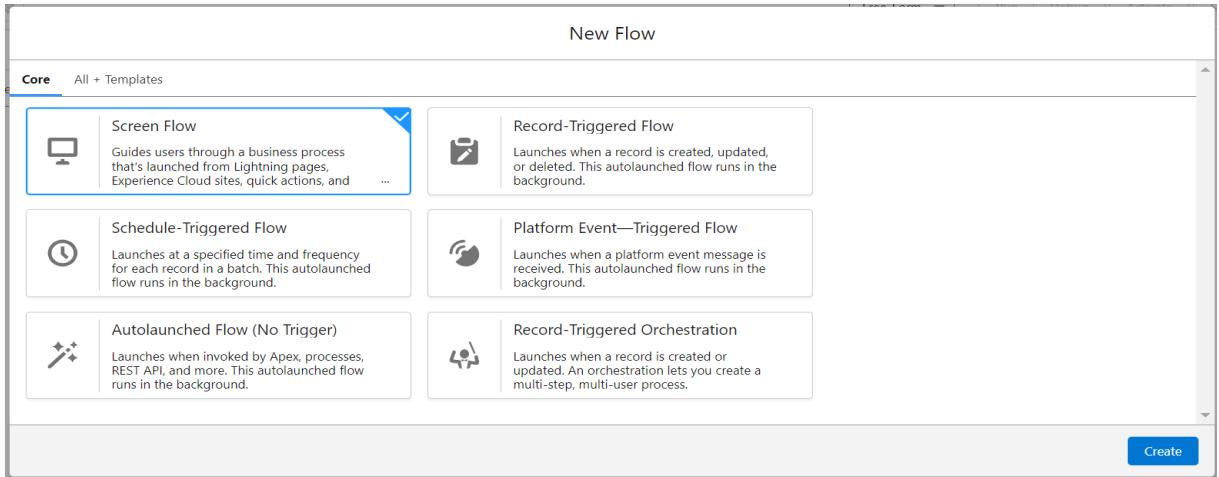
## **Creation of fields for the Execution Details object**

- 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.

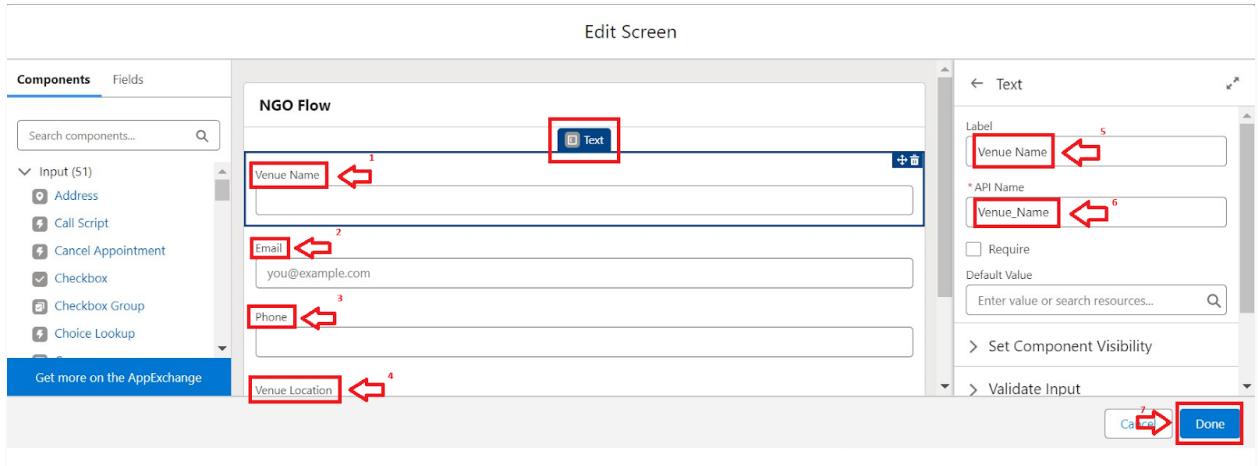
## **FLows**

### **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:

Create a Record of This Object

\* Object  
Venue

---

Set Field Values for the Venue

Field Contact_Email__c	Value Aa Contact_Email > Value X	<input type="button" value="Delete"/>
Field Contact_Phone__c	Value Aa Contact_Phone > Value X	<input type="button" value="Delete"/>
Field Name	Value Aa Venue_Name X	<input type="button" value="Delete"/>
Field Venue_Location__c	Value Aa location X	<input type="button" value="Delete"/>

15. Click on Save as:

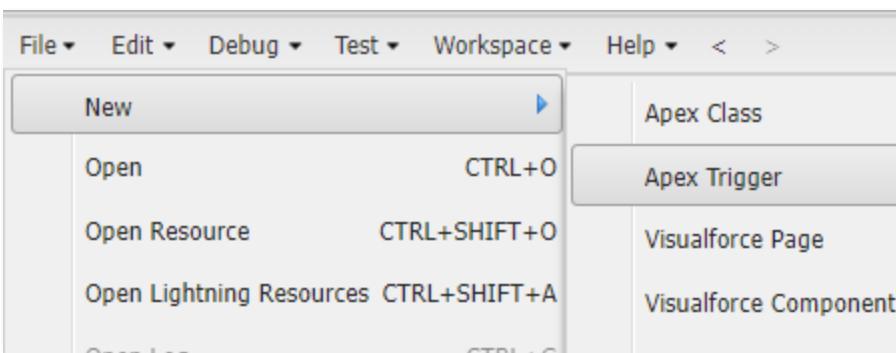
Flow Label : Venue Form

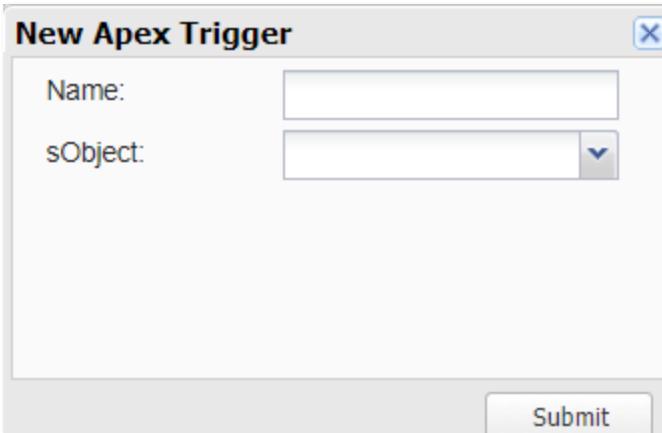
Flow API Name : Venue\_Form

## 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;  
    }  
}
```

## 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

# 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 : Give Your Email

Username : ikshafoundation@sb.com (give the username different)

Nickname : Auto Populated

User License : Salesforce Platform

Profile : NGOs Profile

Active : Check

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

3. Click on Save

## Creation of User2, User3

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

<input type="checkbox"/>	<a href="#">Edit</a>   <a href="#">Login</a> <u>Iksha_Foundation</u> , Iksha Foundation	jiksh	<a href="mailto:ikshafoundation@sb.com">ikshafoundation@sb.com</a>	<input checked="" type="checkbox"/>	<a href="#">NGOs Profile</a>
<input type="checkbox"/>	<a href="#">Edit</a>   <a href="#">Login</a> <u>NSS</u> , NSS	nnss	<a href="mailto:nss@sb.com">nss@sb.com</a>	<input checked="" type="checkbox"/>	<a href="#">NGOs Profile</a>
<input type="checkbox"/>	<a href="#">Edit</a>   <a href="#">Login</a> <u>Street_Cause</u> , Street Cause	sstre	<a href="mailto:streetcause@sb.com">streetcause@sb.com</a>	<input checked="" type="checkbox"/>	<a href="#">NGOs Profile</a>

## 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.

Action	Label ↑	Group Name	Created By	Created Date
<a href="#">Edit</a>   <a href="#">Del</a>	<u>Iksha</u>	<u>Iksha</u>	Bhargavi_Paila	26/03/2024, 2:27 pm
<a href="#">Edit</a>   <a href="#">Del</a>	<u>NSS</u>	<u>NSS</u>	Bhargavi_Paila	26/03/2024, 2:27 pm
<a href="#">Edit</a>   <a href="#">Del</a>	<u>Street_Cause</u>	<u>Street_Cause</u>	Bhargavi_Paila	26/03/2024, 2:26 pm

## 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.

## 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.

**Outline**

**Groups**

- GROUP ROWS
- Add group...
- Volunteer Name

**GROUP COLUMNS**

- Add group...

**Columns**

- Add column...
- Venue Name
- Drop-Off point Name
- # Distance

**Filters** (2)

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

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

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

## 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.

The screenshot shows the Salesforce Report Builder interface. The report is titled "Volunteer Task" and is set to "Volunteers with Execution Details and Tasks". The left sidebar shows "Fields" with sections for "Outline" and "Filters". The main area displays a table with the following data:

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

Below the table, there are buttons for "Row Counts", "Detail Rows", "Subtotals", and "Grand Total". The top right corner has a "Run" button and a "Update Preview Automatically" checkbox.

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.

## 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)

The screenshot shows the configuration interface for a report titled "venue and Drop Off point". On the left, under "Report", there is a search bar with the text "venue and Drop Off point" and a clear button. Below it is a checkbox labeled "Use chart settings from report" with an information icon. Under "Display As", there are two rows of icons representing different chart types: bar charts, line charts, and maps. The bottom row includes a "Table" icon, which is highlighted with a blue border. Below these are sections for "Groups" (with an "Add group..." button and a search icon) and "Columns" (with a delete icon). On the right, the "Preview" section shows a table with four columns: "Venue Name ↑", "Drop-Off point Name", and "Distance". The data rows are: La Royale Banquet Hall. (Shapur, 5.1161), La Royale Banquet Hall. (Jeedimetla, 6.9030k), Paradise Garden Function Hall (Suraram Village, 28.2332), and Ujwala Grand (-, -). At the bottom of the preview is a link "View Report (venue and Drop Off point)".

1. 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)

The screenshot shows the configuration interface for a report titled "Volunteer Task". On the left, under "Report", there is a search bar with the text "Volunteer Task" and a clear button. Below it is a checkbox labeled "Use chart settings from report" with an information icon. Under "Display As", there are two rows of icons representing different chart types: bar charts, line charts, and maps. The bottom row includes a "Table" icon. Below these are sections for "X-Axis" (with a dropdown menu showing "Volunteer ID") and "Y-Axis" (with a dropdown menu showing "Record Count"). On the right, the "Preview" section shows a line chart with "Volunteer ID" on the x-axis (values 1 and 2) and "Record Count" on the y-axis (values 0, 0.5, 1). The chart has two data points at (1, 1) and (2, 1), connected by a horizontal line. At the bottom of the preview is a link "View Report (Volunteer Task)".

1. 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.

The screenshot shows a dashboard titled "Task Execution Details". At the top right are buttons for Refresh, Edit, Subscribe, and a dropdown menu. Below the title, it says "As of 29-Mar-2024, 9:55 am Viewing as Paila Bhargavi".

The dashboard features two main widgets:

- venue and Drop Off point**: A table with columns "Venue Name", "Drop-Off point Name", and "Distance". The data is as follows:

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

[View Report \(venue and Drop Off point\)](#)
- Volunteer Task**: A bar chart showing the count of records for different volunteer IDs. The x-axis is "Volunteer ID" (4, 2) and the y-axis is "Record Count" (0, 0.5, 1). The chart shows two bars at positions 4 and 2, both reaching a height of 1.

Volunteer ID	Record Count
4	1
2	1

[View Report \(Volunteer Task\)](#)

In the background, there is a photograph of a person's hands wearing gloves, handing out small bowls of food to another person.

## 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

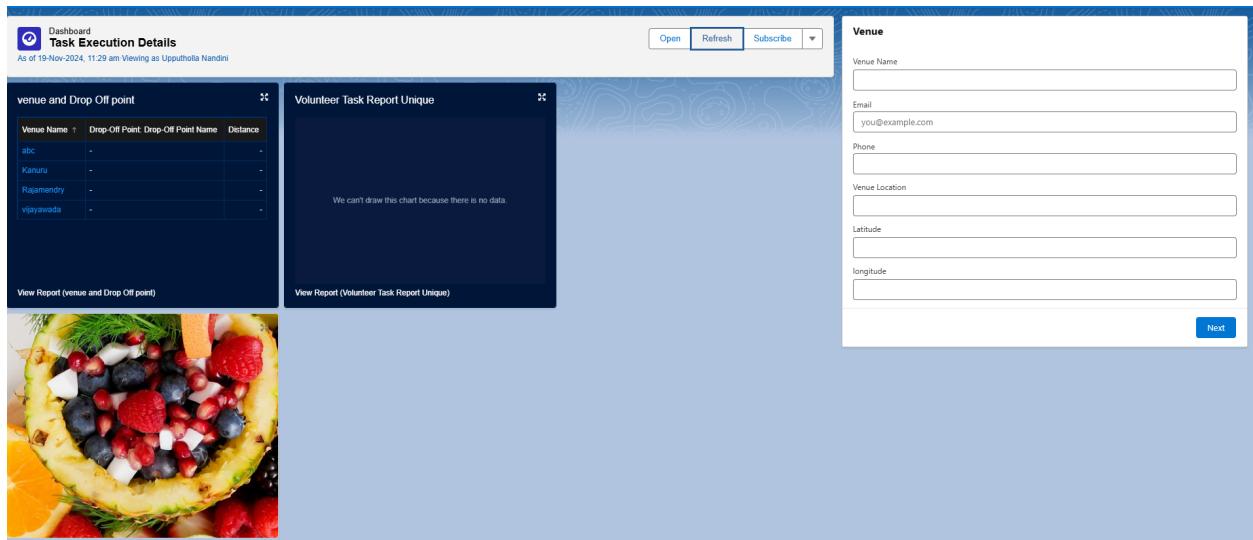
17. Click on Save.

Drop-Off point Sharing Rules		New	Recalculate	Drop-Off point Sharing Rules Help ?	
Action	Criteria			Shared With	Access Level
<a href="#">Edit</a>   <a href="#">Del</a>	Drop-Off point: Distance LESS OR EQUAL 15			<a href="#">Group: Iksha</a>	ReadWrite
<a href="#">Edit</a>   <a href="#">Del</a>	(Drop-Off point: Distance GREATER THAN 15) AND (Drop-Off point: Distance LESS OR EQUAL 30)			<a href="#">Group: NSS</a>	ReadWrite
<a href="#">Edit</a>   <a href="#">Del</a>	(Drop-Off point: Distance GREATER THAN 30) AND (Drop-Off point: Distance LESS OR EQUAL 50)			<a href="#">Group: Street Cause</a>	ReadWrite

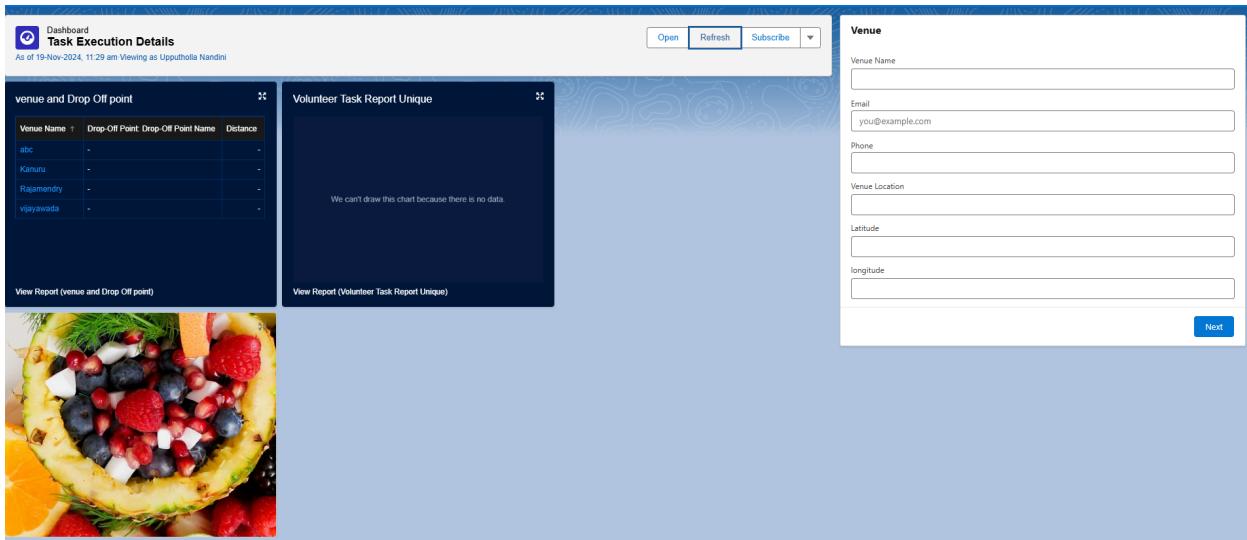
## Home Page

## 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

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.