

TO SUPPLY LEFTOVER FOOD TO POOR

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College Code: Brubb

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1. INTRODUCTION

1.1 Project Overview

FOOD CONNECT is a Salesforce-based application designed to collect leftover food from restaurants, hotels, and event organizers and distribute it to the poor through NGOs and volunteers. The system helps reduce food waste and fight hunger by using Salesforce tools to manage donations, pickups, deliveries, and communication.

1.2 Purpose

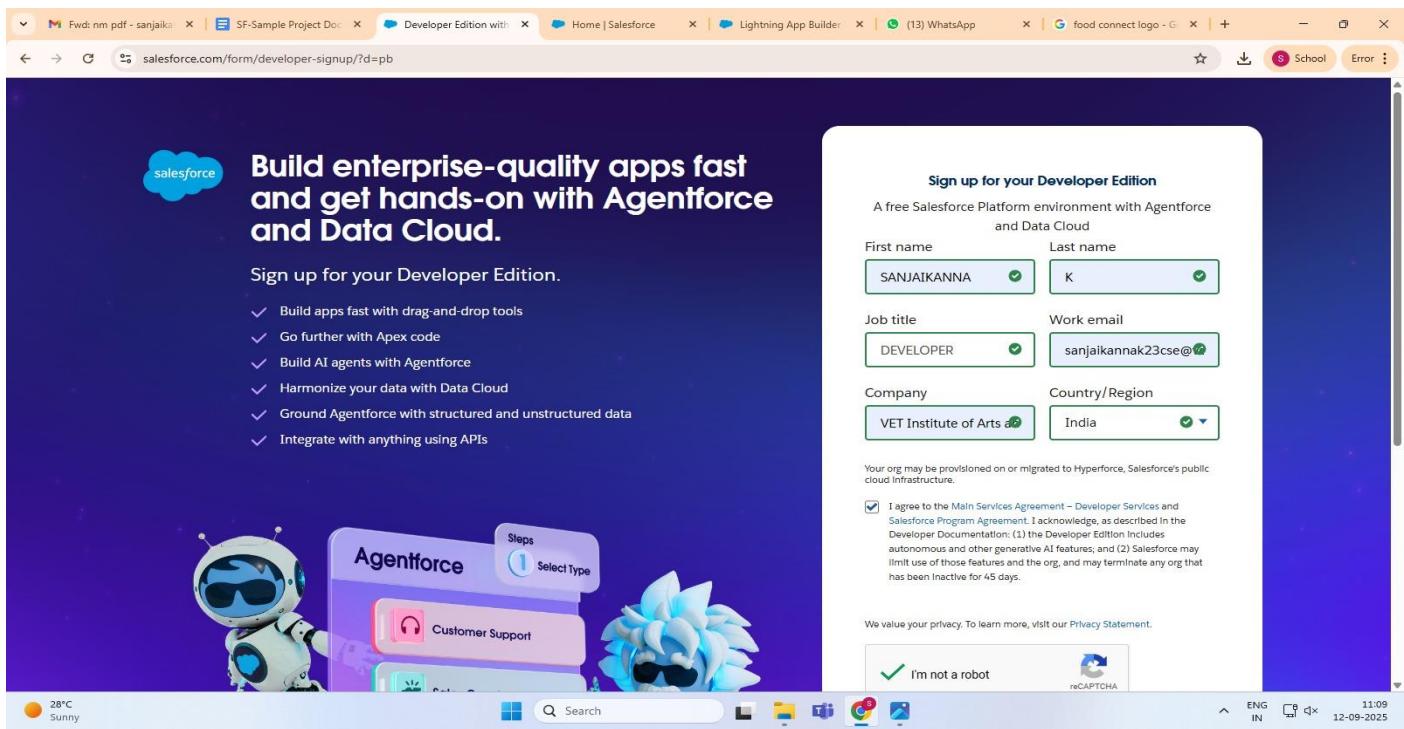
The purpose of this project is to collect extra food from places like restaurants and give it to people in need. The system, built on Salesforce, helps manage donors, volunteers, and deliveries. It saves food from being wasted and helps feed the poor in a quick and organized way.



DEVELOPMENT PHASE

Creating Developer Account:

By using this URL - <https://www.salesforce.com/form/developer-signup/?d=pb>



Create an Objects

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.
- Created objects: Venue, Drop-Off Point, Task, Volunteer, Execution Detail.

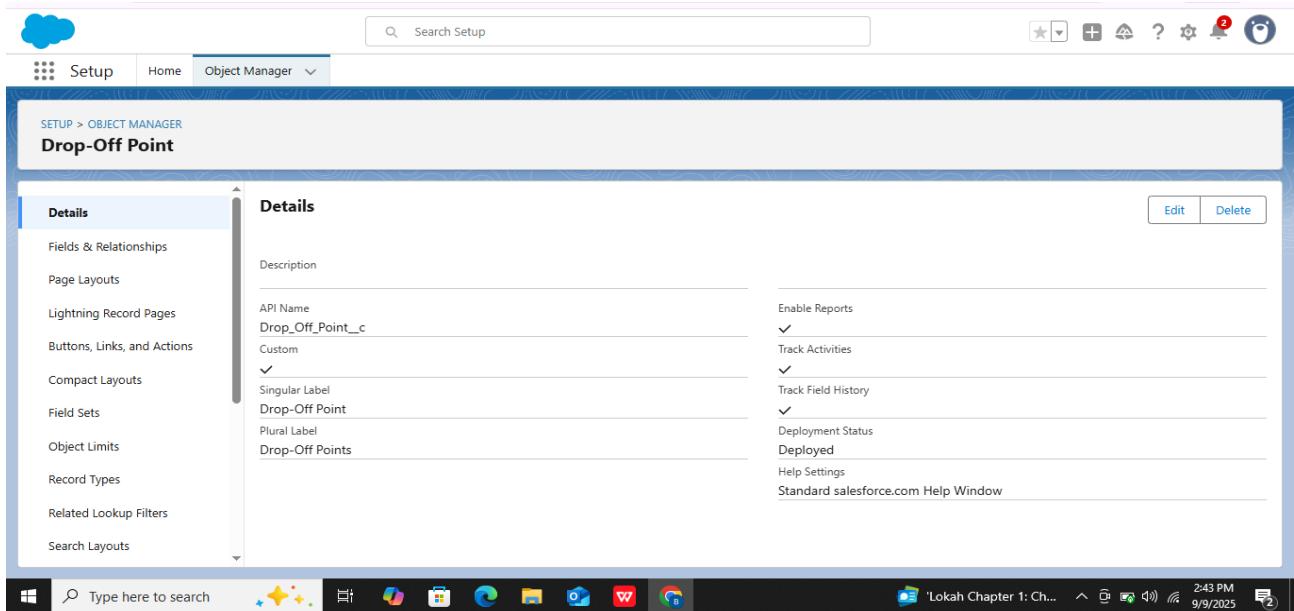
OBJECT:Venue.

The screenshot shows the Salesforce Object Manager interface for the 'venue' object. The top navigation bar includes the Salesforce logo, a search bar labeled 'Search Setup', and various global buttons. The main header reads 'SETUP > OBJECT MANAGER' and 'venue'. On the left, a sidebar lists various configuration options: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Restriction Rules. The right panel displays the 'Details' section for the 'venue' object. It shows the API Name as 'venue_c', which is custom and singularly labeled 'venue' with a plural label 'venues'. The 'Details' section also includes settings for Reports, Activities, Field History, Deployment Status (Deployed), and Help Settings. Buttons for 'Edit' and 'Delete' are located at the top right of the details panel.

OBJECT:Volunteer.

The screenshot shows the Salesforce Object Manager interface for the 'Volunteer' object. The top navigation bar includes the Salesforce logo, a search bar labeled 'Search Setup', and various global buttons. The main header reads 'SETUP > OBJECT MANAGER' and 'Volunteer'. On the left, a sidebar lists various configuration options: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The right panel displays the 'Details' section for the 'Volunteer' object. It shows the API Name as 'Volunteer_c', which is custom and singularly labeled 'Volunteer' with a plural label 'Volunteers'. The 'Details' section also includes settings for Reports, Activities, Field History, Deployment Status (Deployed), and Help Settings. Buttons for 'Edit' and 'Delete' are located at the top right of the details panel.

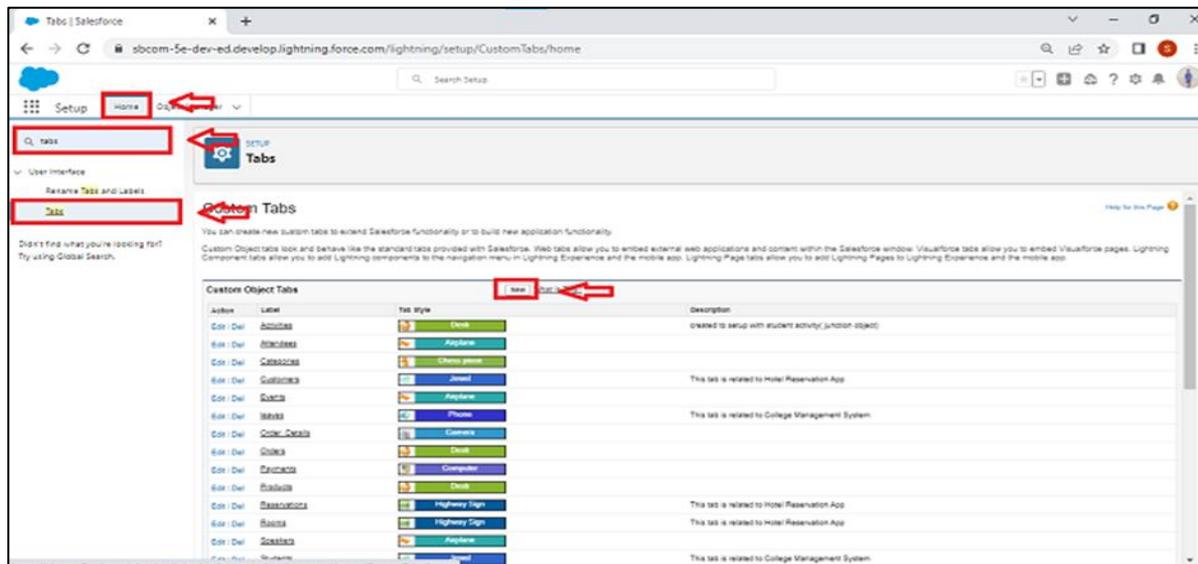
OBJECT:Drop off Point.



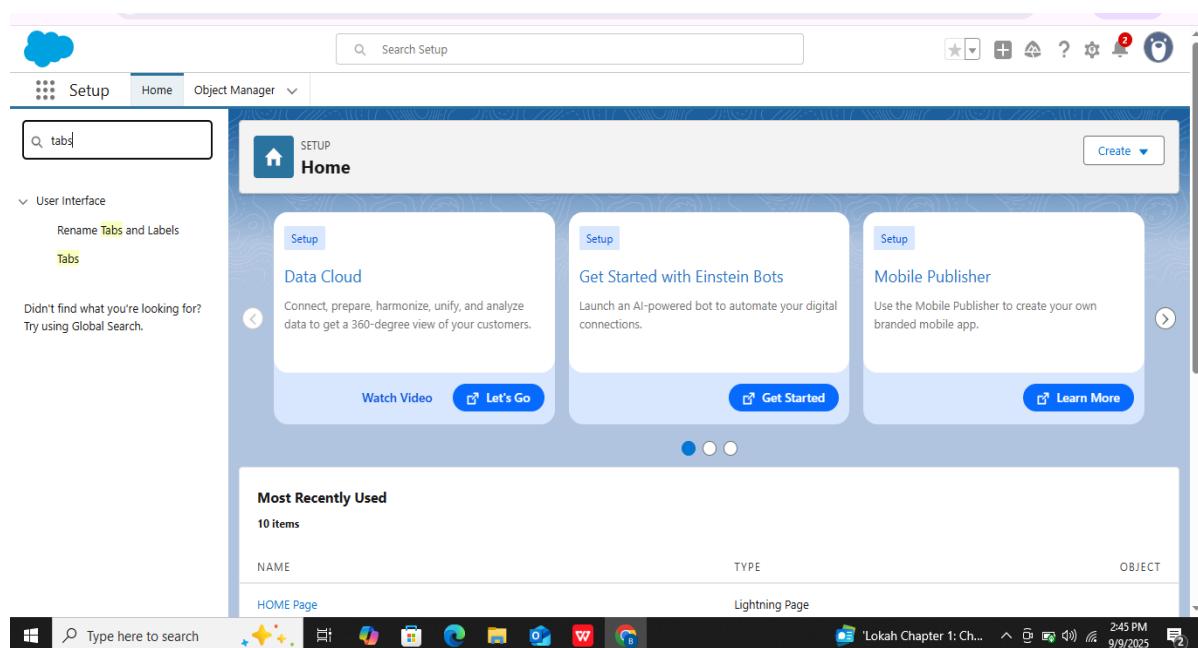
Tabs:

To create a Tab:(Venue)

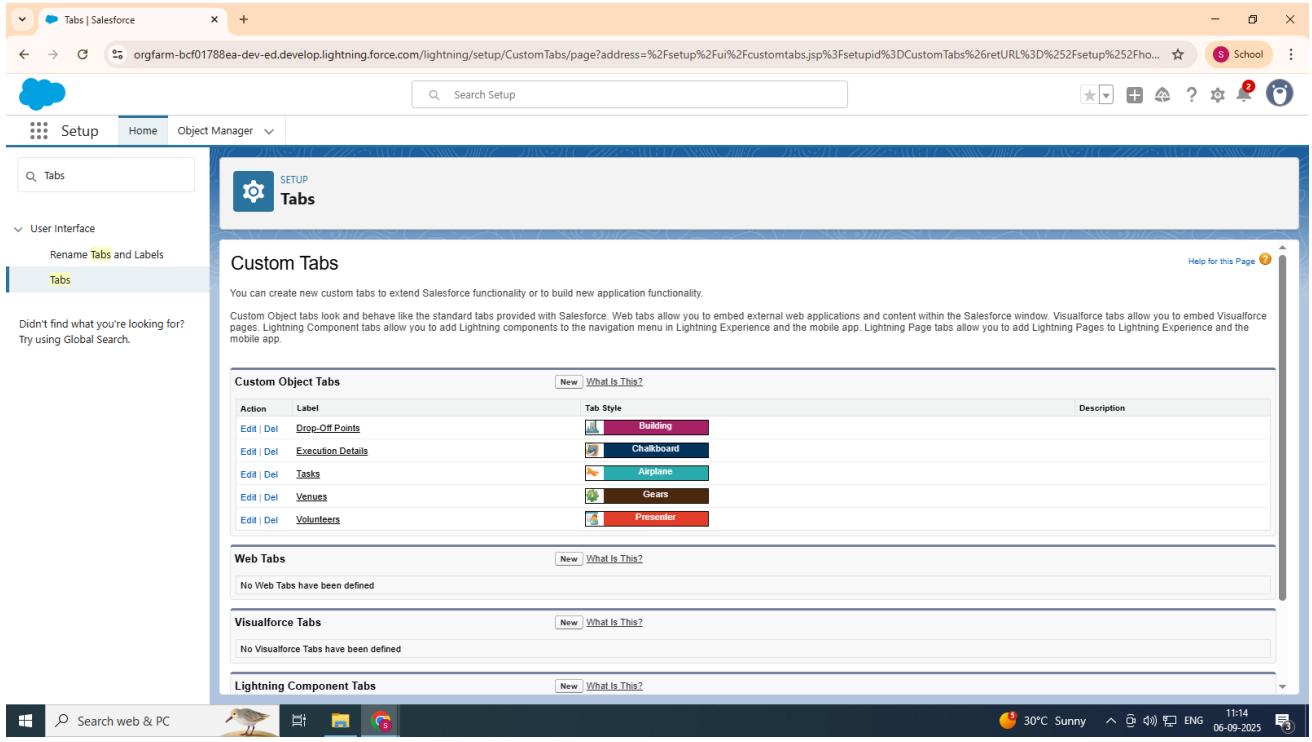
1. Go to setup page >> type Tabs in Quick Find bar >> click on tabs >> New (under custom object tab)



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



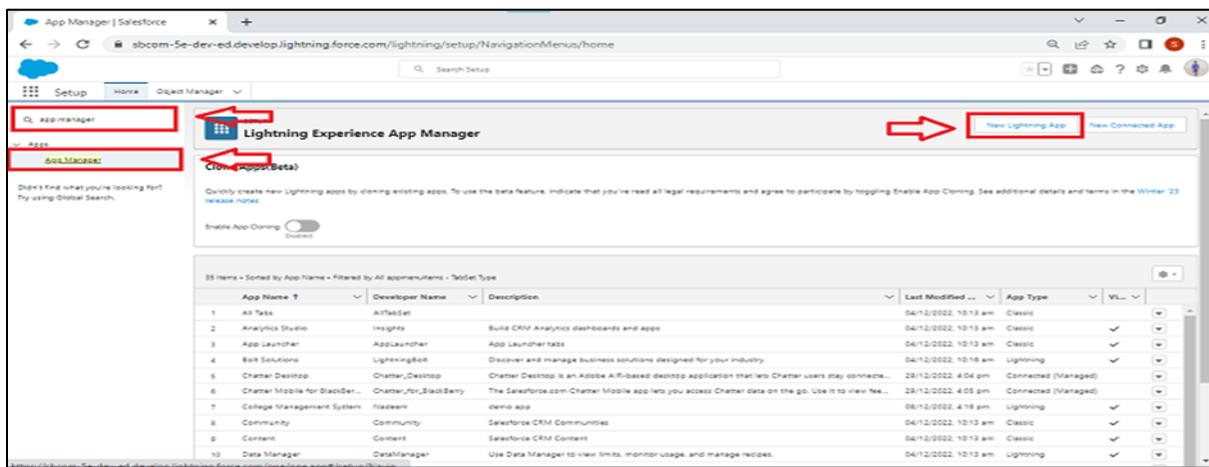
1. Now create the Tabs for the remaining Objects, they are “Drop-Off Point, Task, Volunteer, Execution Details”.



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
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.



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.

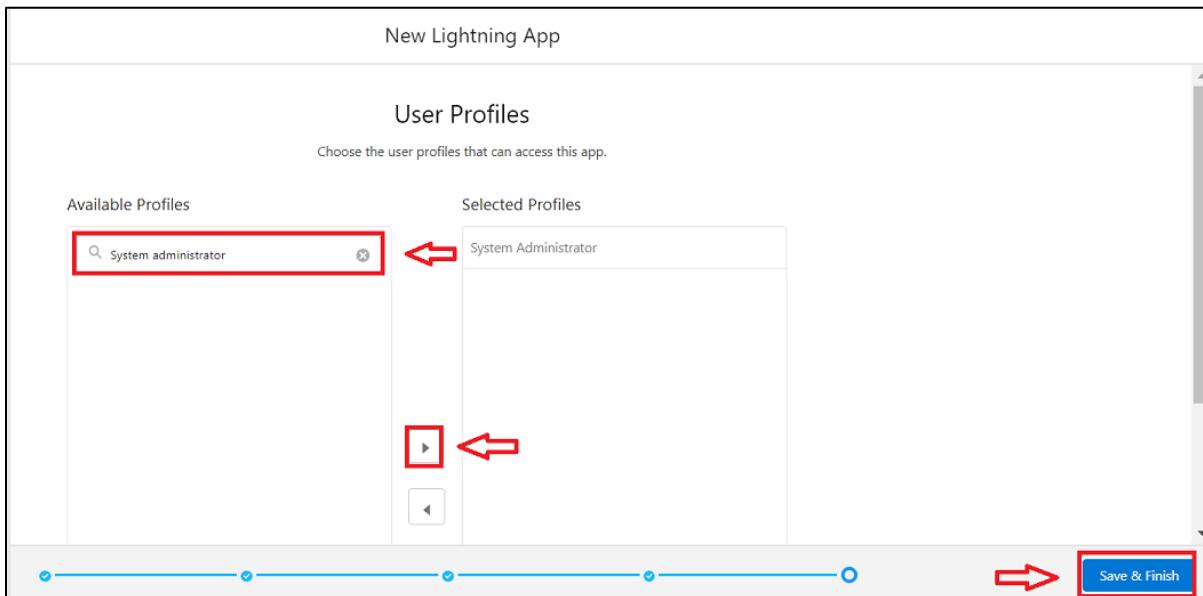
3. Then click Next >> (App option page) Set Navigation Style as Standard Navigation >> Next.

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

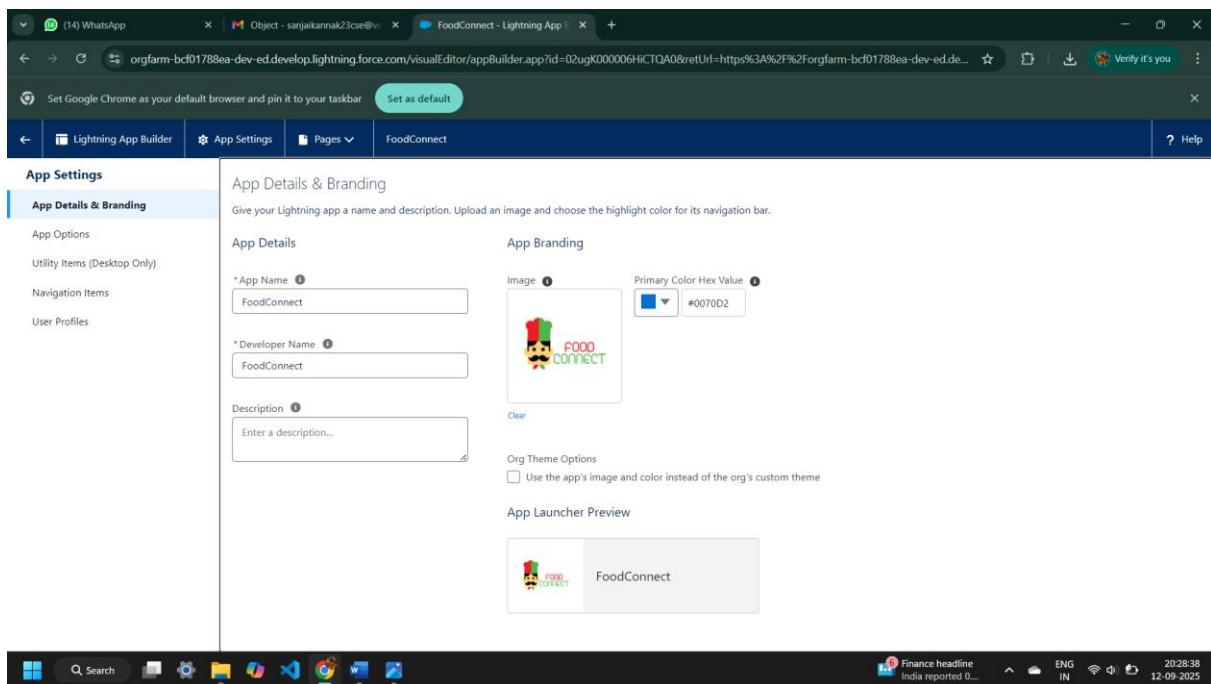
Available Items	Selected Items
Accounts	Home
All Sites	Venues
Alternative Payment Methods	Tasks
Analytics	Drop-Off points
App Launcher	Execution Details
Appointment Categories	Volunteers
Appointment Invitations	Reports
Approval Requests	Dashboards
Asset Action Sources	
Asset Actions	

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.



VERIFYING : FOOD CONNECT APP

Lightning Experience App Manager

App Name ↑	Developer...	Description	Last Modified ...	App ...	Visi... ✓
7 Community	Community	Salesforce CRM Communities	8/27/2025, 9:22 AM	Classic	✓
8 Content	Content	Salesforce CRM Content	8/27/2025, 9:22 AM	Classic	✓
9 Data Cloud	Audience360	Build a thorough and complete understanding of your customers.	8/27/2025, 9:22 AM	Lightning	✓
10 Data Manager	DataManager	Use Data Manager to view limits, monitor usage, and manage recipes.	8/27/2025, 9:22 AM	Lightning	✓
11 Digital Experiences	SalesforceCMS	Manage content and media for all of your sites.	8/27/2025, 9:22 AM	Lightning	✓
12 FoodConnect	FoodConnect		9/1/2025, 7:31 AM	Lightning	✓
13 Lightning Usage App	LightningInstr...	View Adoption and Usage Metrics for Lightning Experience	8/27/2025, 9:22 AM	Lightning	✓
14 Marketing CRM Cla...	Marketing	Track sales and marketing efforts with CRM objects.	8/27/2025, 9:22 AM	Classic	✓
15 My Service Journey	MSJApp	Discover new customer service capabilities.	8/27/2025, 9:22 AM	Lightning	✓
16 Platform	Platform	The fundamental Lightning Platform	8/27/2025, 9:22 AM	Classic	✓
17 Queue Management	QueueManage...	Create and manage queues for your business.	8/27/2025, 9:22 AM	Lightning	✓

Fields:

Creation of Lookup Relationship Field on Volunteer Object :

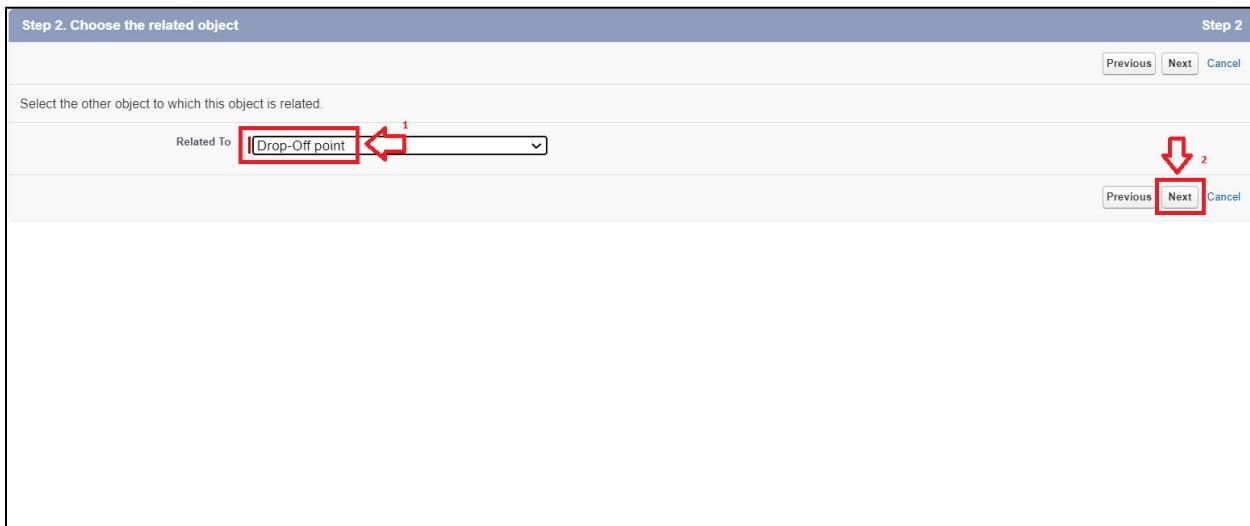
1. Go to setup >> click on Object Manager >> type object name(Volunteer) in the search bar >> click on the object.

Volunteer

Details	
Fields & Relationships	Description
Page Layouts	
Lightning Record Pages	API Name Volunteer__c
Buttons, Links, and Actions	Custom ✓
Compact Layouts	Singular Label Volunteer
Field Sets	Plural Label Volunteers
Object Limits	
Record Types	
Related Lookup Filters	
Search Layouts	
	Enable Reports ✓
	Track Activities ✓
	Track Field History ✓
	Deployment Status Deployed
	Help Settings Standard salesforce.com Help Window

Now click on “Fields & Relationships” >> New

2. Select Master Detail relationship
3. 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.

Field Name	Object Type	Type
Drop_Off_point	Drop_Off_point_c	Lookup(Drop-Off Point)
Email	Email_c	Email
Execution ID	Execution_ID_c	Auto Number
Gender	Gender_c	Picklist
Last Modified By	LastModifiedById	Lookup(User)
Owner	OwnerId	Lookup(User,Group)
Volunteer ID	Volunteer_ID_c	Auto Number
Volunteer Name	Name	Text(80)

8. Select Master Detail relationship
9. Select the related object “Volunteer” and click next.
10. Field Name : Volunteer
11. Field label : Auto generated
12. Next >> Next >> Save.

Creation of Master Detail Relationship Field on Execution Details Object :

15. Select Master Detail relationship
16. Select the related object “Task” and click next.
17. Field Name : Task
18. Field label : Auto generated
19. Next >> Next >> Save.

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

22. Select Lookup relationship
23. Select the related object “Venue” and click next.
24. Field Name : Venue
25. Field label : Venue_c
26. Next >> Next >> Save.
27. Creation of Lookup Relationship Field on Task Object :
29. Now click on “Fields & Relationships” >> New
30. Select Lookup relationship
31. Select the related object “Venue” and click next.
32. Field Name : Sponsored By
33. Field label : Auto generated
34. Next >> Next >> Save.
36. Now click on “Fields & Relationships” >> New
37. Select Lookup relationship
38. Select the related object “Drop-Off point” and click next.
39. Field Name : Drop-Off point
40. Field label : Auto generated
41. Next >> Next >> Save.

The screenshot shows the Salesforce Setup interface with the following details:

- Setup > OBJECT MANAGER**
- venue**
- Fields & Relationships** (8 Items, Sorted by Field Label)
- Contact Email**: Contact_Email_c, Email
- Contact Phone**: Contact_Phone_c, Phone
- Created By**: CreatedById, Lookup(User)
- Last Modified By**: LastModifiedById, Lookup(User)
- Location**: Location_c, Geolocation
- Owner**: OwnerId, Lookup(User,Group) (checkmark)
- Venue Location**: Venue_Location_c, Long Text Area(32768)
- venue Name**: Name, Text(80) (checkmark)

Now we had created for all the FIELDS for tabsand checking all the fields

Screenshot of the Salesforce Object Manager for the Task object.

The page title is "Task | Salesforce". The URL is "orgfarm-e58b574fbfd-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01lgL000001u5vQ/FieldsAndRelationships/view".

The left sidebar shows the "Fields & Relationships" section selected under "Object Manager". Other options include Details, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts.

The main content area is titled "Fields & Relationships" and lists 16 items, sorted by Field Label:

Field Label	API Name	Type
Number of People Served	Number_of_People_Served_c	Number(18, 0)
Phone	Phone_c	Phone
Rating	Rating_c	Picklist
Sponsored By	Sponsored_By_c	Lookup(venue)
Task ID	Task_ID_c	Auto Number
Task Name	Name	Text(80)
Volunteer	Volunteer_c	Master-Detail(Volunteer)

Buttons at the top of the list: Quick Find, New, Deleted Fields, Field Dependencies, Set History Tracking.

System bar at the bottom: Type here to search, taskbar icons, system tray icons, and the date/time (9/9/2025, 2:51 PM).

Screenshot of the Salesforce Object Manager for the Drop-Off Point object.

The page title is "Drop-Off Point | Salesforce". The URL is "orgfarm-e58b574fbfd-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01gkL000001u5vQ/FieldsAndRelationships/view".

The left sidebar shows the "Fields & Relationships" section selected under "Object Manager". Other options include Details, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts.

The main content area is titled "Fields & Relationships" and lists 9 items, sorted by Field Label:

Field Label	API Name	Type
Distance	Distance_c	Number(18, 0)
distance calculation	distance_calculation_c	Formula (Number)
Drop-Off Point Name	Name	Text(80)
Last Modified By	LastModifiedById	Lookup(User)
Location 2	Location_2_c	Geolocation
Owner	OwnerId	Lookup(User,Group)
State	State_c	Picklist
Venue_c	venue_c	Lookup(venue)

Buttons at the top of the list: Quick Find, New, Deleted Fields, Field Dependencies, Set History Tracking.

System bar at the bottom: Type here to search, taskbar icons, system tray icons, and the date/time (9/9/2025, 2:51 PM).

The screenshot shows the Salesforce Object Manager interface for the 'Task' object. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main content area is titled 'Fields & Relationships' and displays 16 items, sorted by Field Label. The table shows field names, their API names, and data types. A toolbar at the top of the list includes 'Quick Find', 'New', 'Deleted Fields', 'Field Dependencies', and 'Set History Tracking'. The Windows taskbar at the bottom shows the date and time as 9/9/2025 at 2:51 PM.

Field	API Name	Type
Drop-Off Point	Drop_Off_Point__c	Lookup(Drop-Off Point)
Execution Detail	Execution_Detail__c	Lookup(Execution Detail)
Feedback	Feedback__c	Long Text Area(32768)
Food Category	Food_Category__c	Picklist (Multi-Select)
Last Modified By	LastModifiedById	Lookup(User)
Name of the Person	Name_of_the_Person__c	Text(10)
Number of People Served	Number_of_People_Served__c	Number(18, 0)
Phone	Phone__c	Phone

This screenshot is identical to the one above, showing the 'Fields & Relationships' section for the 'Task' object in the Salesforce Object Manager. It displays the same 16 items, field types, and data types as the first screenshot. The Windows taskbar at the bottom shows the date and time as 9/9/2025 at 2:51 PM.

Field	API Name	Type
Number of People Served	Number_of_People_Served__c	Number(18, 0)
Phone	Phone__c	Phone
Rating	Rating__c	Picklist
Sponsored By	Sponsored_By__c	Lookup(venue)
Task ID	Task_ID__c	Auto Number
Task Name	Name	Text(80)
Volunteer	Volunteer__c	Master-Detail(Volunteer)

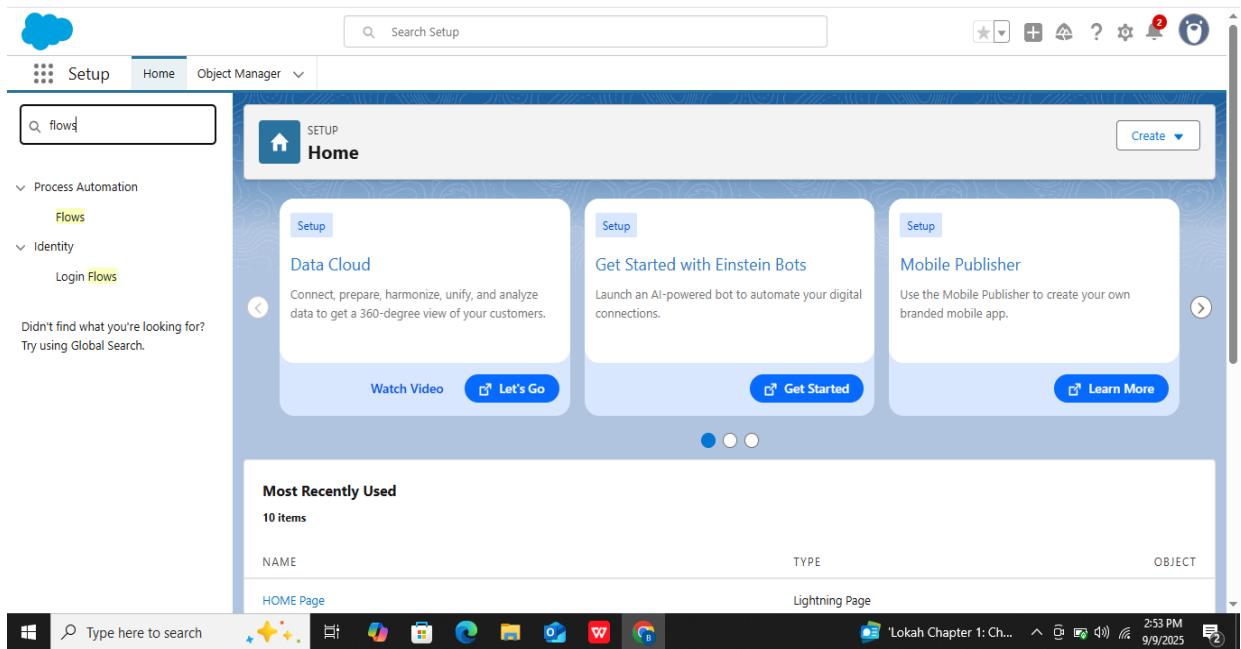
The screenshot shows the Salesforce Object Manager interface for the 'Volunteer' object. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main content area displays a table titled 'Fields & Relationships' with 14 items. The table columns are Field Name, Field Label, and Type. The fields listed are:

Field Name	Field Label	Type
Drop_Off_point	Drop_Off_point_c	Lookup(Drop-Off Point)
Email	Email_c	Email
Execution ID	Execution_ID_c	Auto Number
Gender	Gender_c	Picklist
Last Modified By	LastModifiedById	Lookup(User)
Owner	OwnerId	Lookup(User,Group)
Volunteer ID	Volunteer_ID_c	Auto Number
Volunteer Name	Name	Text(80)

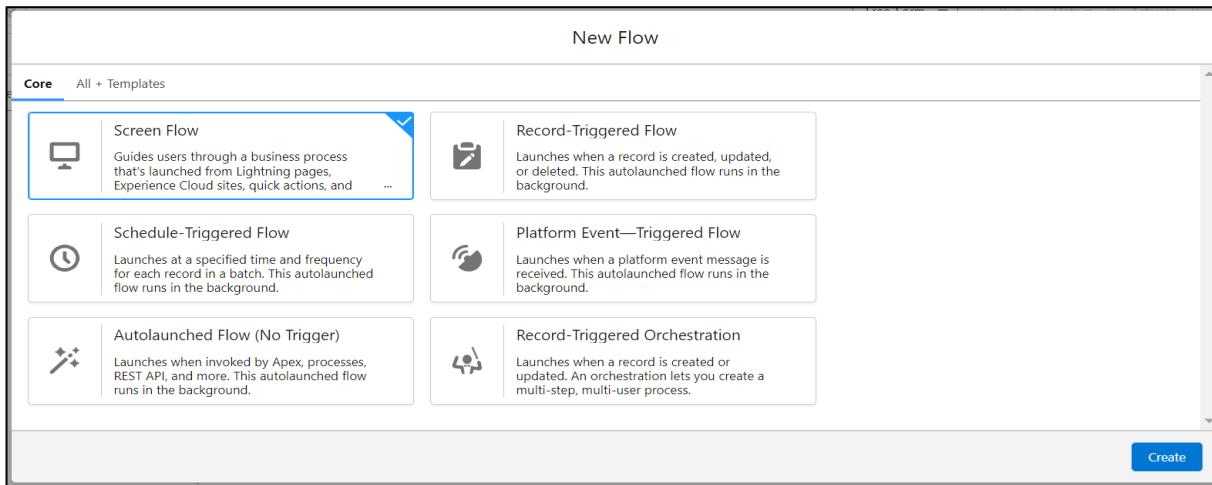
The status bar at the bottom shows the date and time as 9/9/2025 2:52 PM.

This screenshot is identical to the one above, showing the 'Fields & Relationships' section for the 'Volunteer' object in the Salesforce Object Manager. The table structure and data are the same as in the first screenshot.

FLows:



Go to setup >> type Flow in quick find box >> Click on the Flow and Select the New Flow.
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

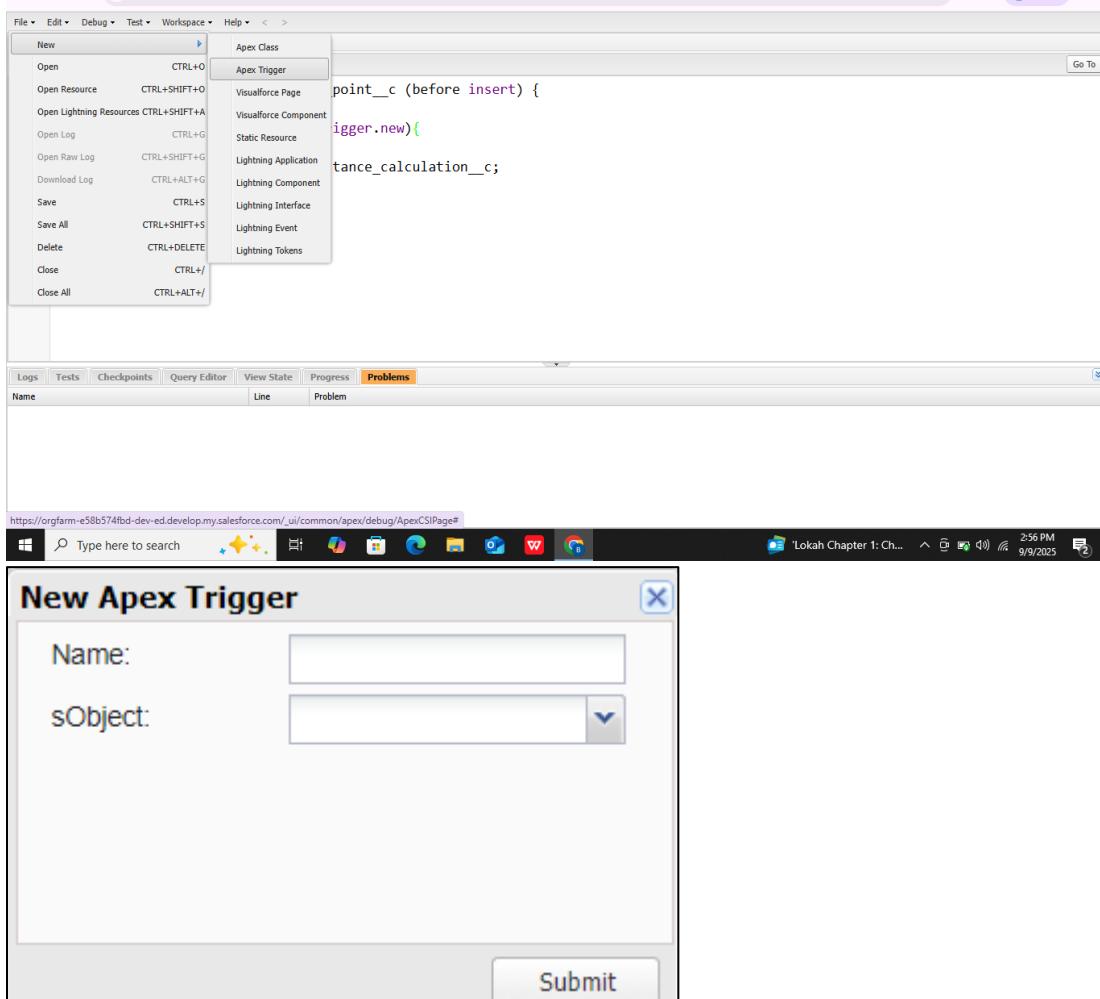
11. Next click on Done.

The screenshot shows the Salesforce Flow Builder interface. At the top, there's a search bar and a 'New Automation' section with categories like Triggered, Scheduled, Screen, and Autolaunched. Below this, a 'Frequently Used' section lists Screen Flow, Record-Triggered Flow, Schedule-Triggered Flow, and Autolaunched Flow (No Trigger). The main workspace displays a screen flow named 'Venue Form - V1'. This flow starts with a 'Screen Flow Start' step, followed by a 'Venue Details' screen, a 'Create Venue Record' step, and ends with an 'End' step. To the right of the flow, a 'Create Records' panel is open, showing fields for Contact Email, Contact Phone, Venue Name, Venue Location, Location (Latitude), and Location (Longitude), each mapped to corresponding variables from the 'Venue Details' screen. The browser taskbar at the bottom indicates the URL is org://orgfarm-bcf01788ea/dev/ed/develop.lightning.force.com/builder_platform_interaction/flowBuilder.app?flowId=301gK00000JHtLHOA1.

12.

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:

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;
    }
}

```

The screenshot shows the Salesforce Developer Console interface. The main area displays the Apex trigger code for 'DropOffTrigger'. The code is as follows:

```

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

```

Below the code editor, there is a navigation bar with tabs: Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The 'Problems' tab is highlighted. A status bar at the bottom shows the system tray with icons for battery, signal, and date/time (11:45 07-09-2025).

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

The screenshot shows the Salesforce Setup interface with the following details:

- Page Title:** Profiles
- Profile Name:** NGOs Profile
- User License:** Salesforce Platform
- Description:** (empty)
- Created By:** SANJAIKANNA K, 9/6/2025, 10:46 PM
- Modified By:** SANJAIKANNA K, 9/6/2025, 10:46 PM
- Page Layouts:**
 - Standard Object Layouts:** Global Layout [View Assignment], Email Application Not Assigned [View Assignment], Home Page Layout Home Page Default [View Assignment], Account Account Layout [View Assignment].
 - Lead:** Lead Layout [View Assignment]
 - Location:** Location Layout [View Assignment]
 - Location Group:** Location Group Layout [View Assignment]
 - Location Group Assignment:** Location Group Assignment Layout [View Assignment]

Creation of Users:

users>> New user

First Name : Iksha Foundation

Last Name : Iksha_Foundation

Alias : iiksh

Email : Give Your Email

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

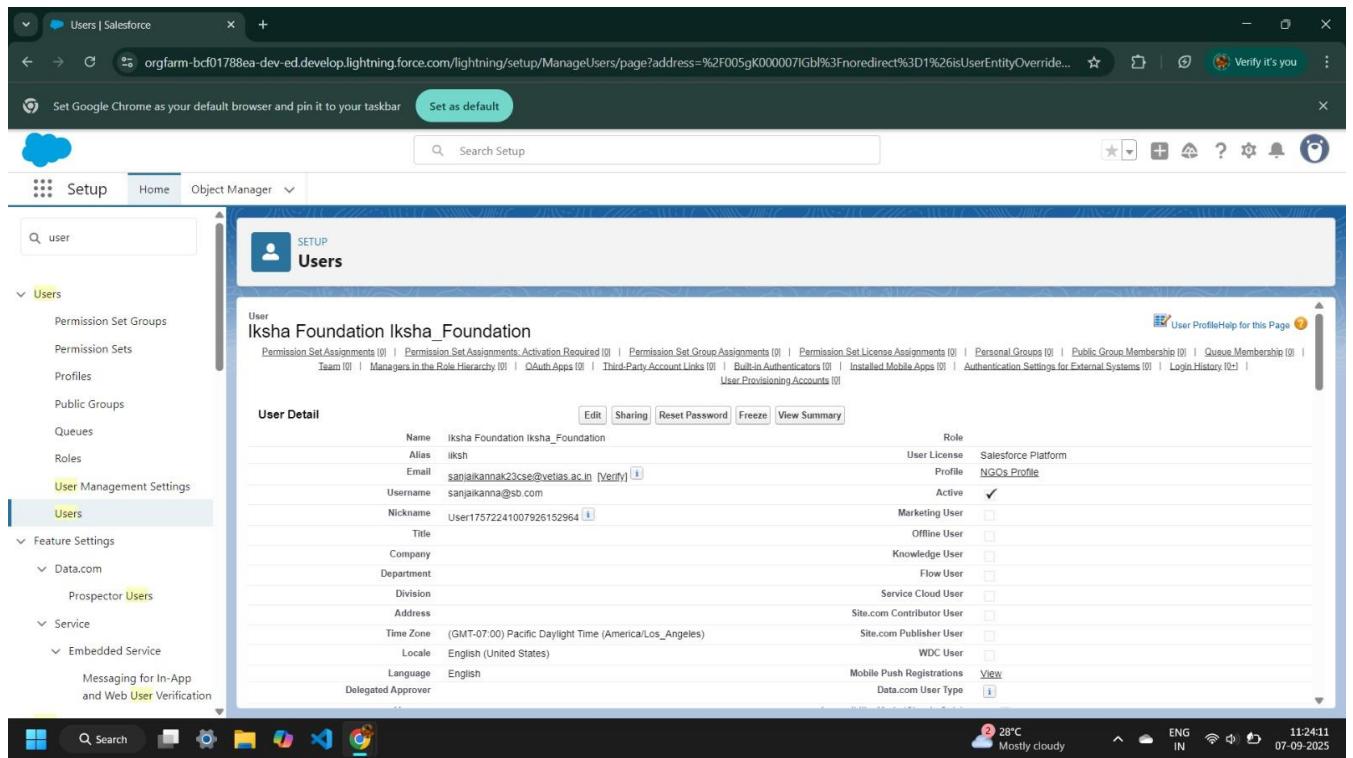
Nickname : Auto Populated

User License : Salesforce Platform

Profile : NGOs Profile

Active : Check

a. Click on Save



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

Public Groups:

1. 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

The screenshot shows the Salesforce Public Groups page. The left sidebar has a search bar and sections for Users (Public Groups selected), Feature Settings, Salesforce Files, Content Deliveries and Public Links, User Interface (Global Actions, Publisher Layouts), Company Settings (Calendar Settings, Public Calendars and Resources), and a global search section. The main content area is titled 'Public Groups' and contains a table of groups. The table has columns for Action, Label, Group Name, Created By, and Created Date. The data is as follows:

Action	Label	Group Name	Created By	Created Date
Edit Del	Iksna	Iksna	K_SANJAIKANNA	9/6/2025, 11:12 PM
Edit Del	NSS	NSS	K_SANJAIKANNA	9/6/2025, 11:13 PM
Edit Del	Street_Cause	Street_Cause	K_SANJAIKANNA	9/6/2025, 11:14 PM

At the bottom right of the main content area, there is a navigation bar with letters A through Z and an 'All' option.

Report Types:

1. 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

The screenshot shows the Salesforce Setup interface with the following details:

- Page Title:** Custom Report Types
- Report Name:** Venue with DropOff with Volunteer
- Object Relationships:**
 - Venues (A)
 - with or without related records from Drop-Off Points (B)
 - with or without related records from Volunteers (C)
- Details:**

Display Label	Venue with DropOff with Volunteer
API Name	Venue_with_DropOff_with_Volunteer
Description	Venue with DropOff with Volunteer
Created By	SANJAIKANNA K, 9/7/25, 11:55 AM
Store in Category	other
Deployment Status	Deployed
Modified By	SANJAIKANNA K, 9/7/25, 11:55 AM

VERIFYING THE RECORD TYPES WHICH HAD BEEN CREATED BY US.

The screenshot shows the FoodConnect application interface with the following details:

- Page Title:** Reports
- Section:** Created by Me > Custom Reports
- Items:** 2 items
- Table:**

REPORTS	Name	Description	Folder	Created By	Created On	Subscribed
Recent	venue and Drop Off point		Custom Reports	SANJAIKANNA K	9/7/2025, 5:59 AM	
Created by Me	Volunteer Task		Custom Reports	SANJAIKANNA K	9/10/2025, 7:07 AM	

Reports:

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

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.
 - a. Now click on Save & Run.
 - b. Give Label as :
 - c. Report Name : venue and Drop Off point
 - d. Report Unique Name : Auto Populated
 - e. Click on Select Folder and select Custom Report, then click on Save.

The screenshot shows the FoodConnect report builder interface. On the left, there's a sidebar with 'Outline' and 'Filters' sections. Under 'Groups', there's a 'GROUP ROWS' section with an 'Add group...' button and a 'Volunteer Name' search field. Under 'Columns', there's a 'Columns' dropdown with 'Add column...', 'Venue Name', 'Drop-Off point Name', and '# Distance' selected. The main area shows a preview of a report with the following data:

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

Click on Custom Reports Folder and click on New Report

Select Report Type : Volunteers with Execution Details and Tasks.

Then click on Start Report.

In GROUP ROWS : Volunteer ID

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 Report builder interface with the following details:

- REPORT ▾**: Volunteer Task
- Volunteers with Execution Details and Tasks**
- Fields** sidebar:
 - Outline** (selected)
 - Filters**
 - GROUP ROWS**: Add group...
 - Volunteer ID**: X
 - GROUP COLUMNS**: Add group...
- Columns** sidebar:
 - Add column...
 - Volunteer: Volunteer Name
 - Task: Task Name
 - Execution Detail: Execution Detail Name
 - Volunteer: Owner Name
 - Task: Date
 - Task: Rating
- Table Data** (Preview):

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 Iksha_Foundation	28/03/2024	5
Subtotal						
4 (1)	Bhavika	Task 1	Execution 1	Iksha Foundation Iksha_Foundation	28/03/2024	4
Subtotal						
Total (2)						
- Buttons** at the top right:
 - Save & Run
 - Save
 - Close
 - Run
- Checkboxes** at the bottom:
 - Row Counts
 - Detail Rows
 - Subtotals
 - Grand Total

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:

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

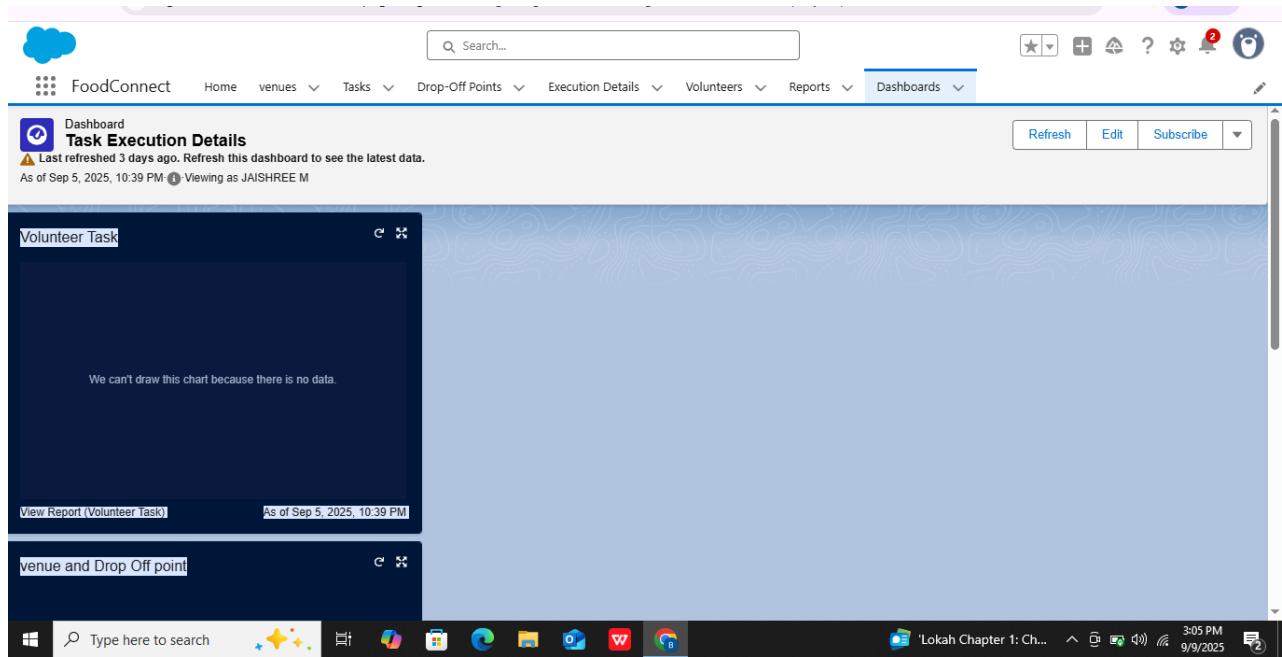
The screenshot shows a browser window with multiple tabs open. The active tab is 'Organization Details | Salesforce'. Below the tabs, the FoodConnect navigation bar includes Home, Venues, Volunteers, Execution Details, Reports, Drop-Off Points, Tasks, and Dashboards. A search bar is at the top right. The main content area displays a report titled 'venue and Drop Off point'. A modal window titled 'Add Widget' is open over the report. The 'Report' dropdown shows 'venue and Drop Off point'. The 'Display As' section contains several chart icons. The 'Y-Axis' section has fields for 'Volunteer Name' and 'Sum of Distance'. The 'X-Axis' section has a '+ Measure' button. To the right of the modal is a preview area showing the same report title and a message 'We can't draw this chart because there is no data.' Below the preview is a 'View Report (venue and Drop Off point)' link. At the bottom right of the modal are 'Cancel' and 'Add' buttons. The operating system taskbar at the bottom shows the date as 9/9/2025 and the time as 3:06 PM.

In Add

This screenshot shows the same 'Add Widget' dialog as the previous one, but for a different report titled 'Volunteer Task'. The 'Report' dropdown shows 'Volunteer Task'. The 'Display As' section contains several chart icons. The 'X-Axis' section has a field for 'Volunteer ID'. The 'Y-Axis' section is labeled 'Record Count'. The preview area shows a bar chart titled 'Volunteer Task' with 'Record Count' on the y-axis (0, 0.5, 1) and 'Volunteer ID' on the x-axis (4, 2). The chart shows two bars: one at position 4 with height 1, and one at position 2 with height 1. Below the chart is a 'View Report (Volunteer Task)' link. The operating system taskbar at the bottom shows the date as 9/9/2025 and the time as 3:06 PM.

1. Now click on save.





Component:

Display As : Select Lightning Table

Component Theme : Select Dark (Optional)

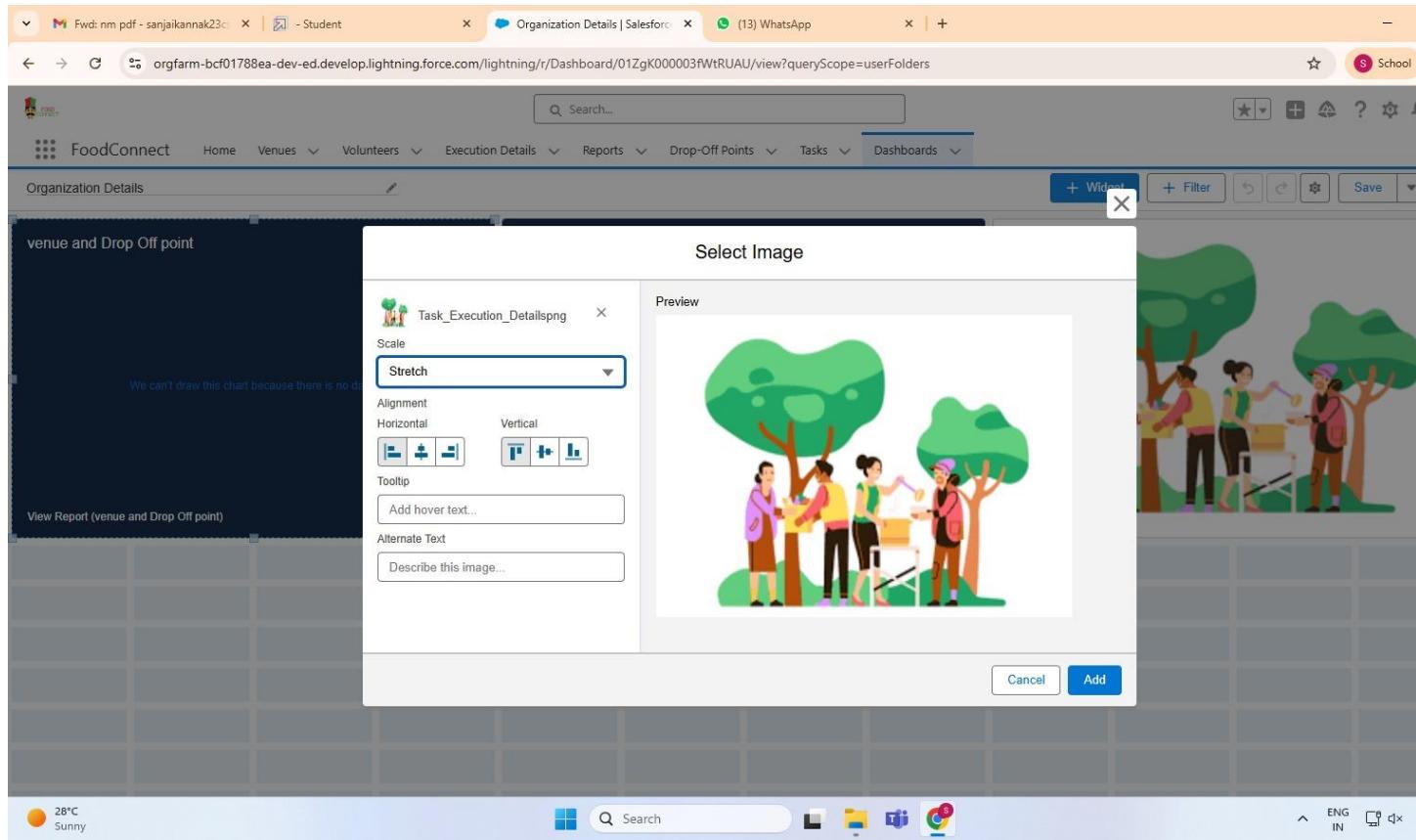
Adding a Picture to the Dashboard:

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

- Click on Select Folder and then Save.



Sharing Rules:

- Sharing Settings in quick find box >> Click on the Sharing Settings.
- Scroll down and find Drop-Off point Sharing Rules.
- Click on new near Drop-Off point Sharing Rules and Name it as:
Label : Rule 1
Rule Name : Rule_1
- Select your rule type : Select Based on criteria.
- Select which records to be shared:
Field : Operator : Value = Distance : less than : 15
- Select the users to share with : Near Share With
Public Groups : Iksha
- Click on Save.
- Click on new near Drop-Off point Sharing Rules and Name it as:
Label : Rule 2
Rule Name : Rule_2
- Select your rule type : Select Based on criteria.
- 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.

The screenshot shows the Salesforce Sharing Settings page. The top navigation bar includes tabs for Fwd: nm pdf - sanjaikannak23c, - Student, Volunteer Task | Salesforce, Sharing Settings | Salesforce, and (13) WhatsApp. The main content area is titled "Sharing Settings" under the "Setup" tab. On the left, there's a sidebar with "Sharing Settings" selected. The main body contains several sections for different sharing rules:

- Work Plan Template Sharing Rules:** No sharing rules specified.
- Work Step Template Sharing Rules:** No sharing rules specified.
- Work Type Sharing Rules:** No sharing rules specified.
- Work Type Group Sharing Rules:** No sharing rules specified.
- Drop-Off Point Sharing Rules:** This section is expanded, showing three rules:

Action	Criteria	Shared With	Access Level
Edit Del	Drop-Off Point: Distance LESS THAN 15	Group_kska	Read Only
Edit Del	(Drop-Off Point: Distance GREATER THAN 15) AND (Drop-Off Point: Distance LESS OR EQUAL 30)	Group_NSS	Read Only
Edit Del	(Drop-Off Point: Distance GREATER THAN 30) AND (Drop-Off Point: Distance LESS OR EQUAL 50)	Group_Street Cause	Read Only
- Venue Sharing Rules:** No sharing rules specified.

The bottom of the screen shows the Windows taskbar with icons for File Explorer, Microsoft Word, and Microsoft Excel, along with system status like battery level and date/time.

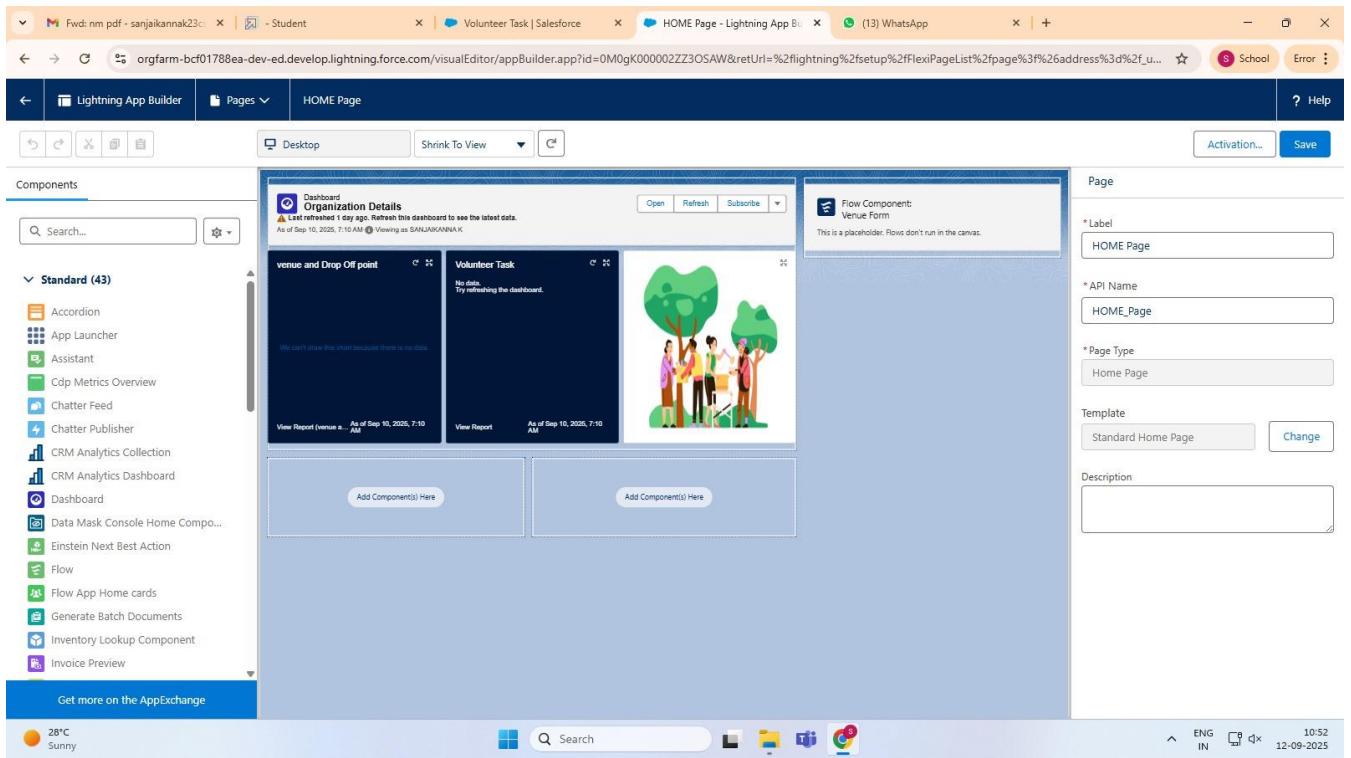
Creation of Home Page

1. 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

Near Components search for Dashboard, then Drag and Drop it in first Section.

The screenshot shows the Salesforce Lightning App Builder interface. The left sidebar has a search bar with 'app buil' typed in. Under 'Feature Settings', 'Field Service Mobile' is expanded, showing 'Field Service Mobile App Builder'. Under 'User Interface', 'Lightning App Builder' is selected. The main area is titled 'Lightning App Builder' and contains a sub-section titled 'Lightning Pages'. A table lists one page: **HOME Page**. The table columns are: Action, Label ↑, Name, Namespace Prefix, Description, Type, Created By, and Last Modified By. The 'Type' column shows 'Home Page'. The 'Created By' and 'Last Modified By' columns show 'jai' with the timestamp '9/5/2025, 11:06 PM'. Below the table, there are links for 'Edit | Clone | Del'. The status bar at the bottom shows the URL 'https://orgfarm-e58b574fb0-dev-ed.lightning.force.com/lightning/setup/FlexiPageList/home' and the system time '3:09 PM 9/9/2025'.



Click on Save and Activation, then click on App Default, then Add Assignments.

Add FoodConnect App and then Save.

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.

APPENDIX

- **Source Code:** Provided in Apex Triggers

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

