

TO SUPPLY LEFT OVER FOOD THE POOR

College Name: KG College of arts and science

TEAM ID: NM2025TMID23545

TEAM MEMBERS:

Team LeaderName: NITHIN

Team Member1: NITHISH.K

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Team Member3: PRAGATHI.V

INTRODUCTION:

Food wastage is one of the major issues faced in our society, while at the same time many people struggle to get even a single meal a day. Every day, a large quantity of food from hotels, restaurants, hostels, and events goes to waste. If this leftover food is collected and distributed properly, it can help reduce hunger among the poor and needy.

This project aims to build a platform under the Naan Mudhalvan scheme to connect food donors (restaurants, hostels, marriage halls, households) with volunteers and NGOs who can collect and supply

the leftover food to the underprivileged. The system will ensure food safety, quick response, and efficient distribution so that surplus food is not wasted but reaches the right people at the right time.

Through this initiative, we not only reduce food wastage but also contribute to social welfare, support zero hunger goals, and bring smiles to those who are struggling for their daily meals.

1. Project Overview

The Leftover Food Supply System is designed to reduce food wastage and provide meals to the needy by creating a bridge between food donors and food seekers.

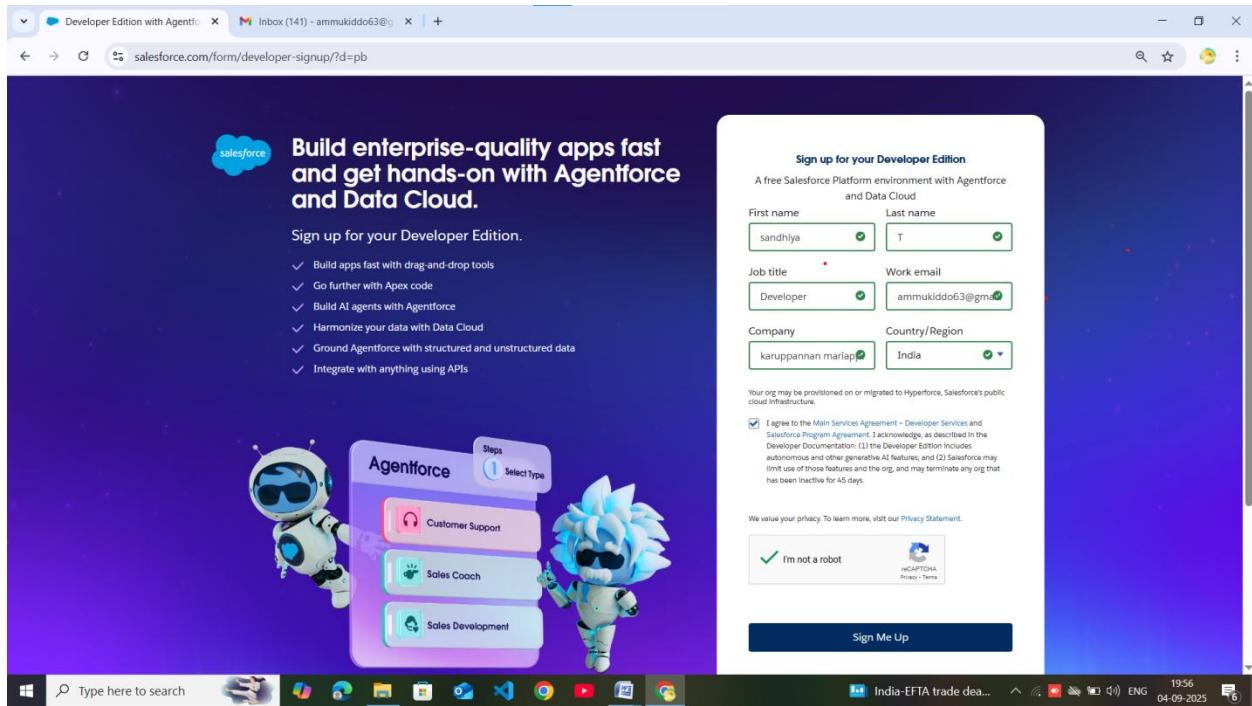


1.2 Purpose

Creating Developer Account:

By using this URL:

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



- OBJECT: Venue,Drop-Off Point,Taks,volunteer,Execution Details.

VENUE:

The screenshot shows the Salesforce Setup interface for the 'Venue' object. The left 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, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules, Object Access, and Triggers. The main panel displays the 'Details' tab for the 'Venue' object. The 'Description' field is empty. The 'API Name' is set to 'Venue_c'. Under the 'Custom' section, 'Singular Label' is set to 'Venue' and 'Plural Label' is set to 'Venues'. On the right, under 'Enable Reports', 'Track Activities', 'Track Field History', and 'Deployment Status' are checked. The status is listed as 'Deployed'. A note at the bottom right says 'Standard salesforce.com Help Window'. At the bottom, there is an 'Activate Windows' message and a system tray showing 30°C Windy, 1558, ENG, 05-09-2025.

DROP-OFF POINT:

The screenshot shows the Salesforce Setup interface for the 'Drop-Off Point' object. The left sidebar lists the same configuration options as the previous screenshot. The main panel displays the 'Details' tab for the 'Drop-Off Point' object. The 'Description' field is empty. The 'API Name' is set to 'Drop_Off_Point_c'. Under the 'Custom' section, 'Singular Label' is set to 'Drop-Off Point' and 'Plural Label' is set to 'Drop-Off Points'. On the right, under 'Enable Reports', 'Track Activities', 'Track Field History', and 'Deployment Status' are checked. The status is listed as 'Deployed'. A note at the bottom right says 'Standard salesforce.com Help Window'. At the bottom, there is an 'Activate Windows' message and a system tray showing 30°C Windy, 1559, ENG, 05-09-2025.

TASK:

The screenshot shows the Salesforce Setup interface for managing objects. The top navigation bar includes tabs for Student, Welcome to Salesforce: Reset, Home | Salesforce, and Task | Salesforce. The main title is "SETUP > OBJECT MANAGER" followed by "Task".

The left sidebar lists various object configuration options: 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, Restriction Rules, Scoping Rules, Object Access, and Triggers.

The right panel displays the "Details" section for the "Task" object. It includes fields for Description, API Name (Task__c), Singular Label (Task), Plural Label (Tasks), and several checkboxes under "Enable Reports" (Track Activities, Track Field History). Deployment status is set to "Deployed". A note at the bottom states "Standard salesforce.com Help Window".

The taskbar at the bottom shows the Windows Start button, a search bar, and various pinned application icons. The system tray indicates it's 30°C Windy, 16:00, ENG, and the date is 05-09-2025.

VOLUNTEER:

This screenshot shows the Salesforce Setup interface for managing objects, specifically for the "Volunteer" object. The layout is identical to the "Task" screenshot, with the "Object Manager" tab selected in the sidebar and the "Volunteer" object displayed in the main area.

The left sidebar shows the same list of configuration options as the Task setup.

The right panel displays the "Details" section for the "Volunteer" object. It includes fields for Description, API Name (Volunteer__c), Singular Label (Volunteer), Plural Label (Volunteers), and checkboxes for "Enable Reports" (Track Activities, Track Field History). Deployment status is set to "Deployed". A note at the bottom states "Standard salesforce.com Help Window".

The taskbar at the bottom shows the Windows Start button, a search bar, and various pinned application icons. The system tray indicates it's 30°C Windy, 16:01, ENG, and the date is 05-09-2025.

EXECUTION DETAIL:

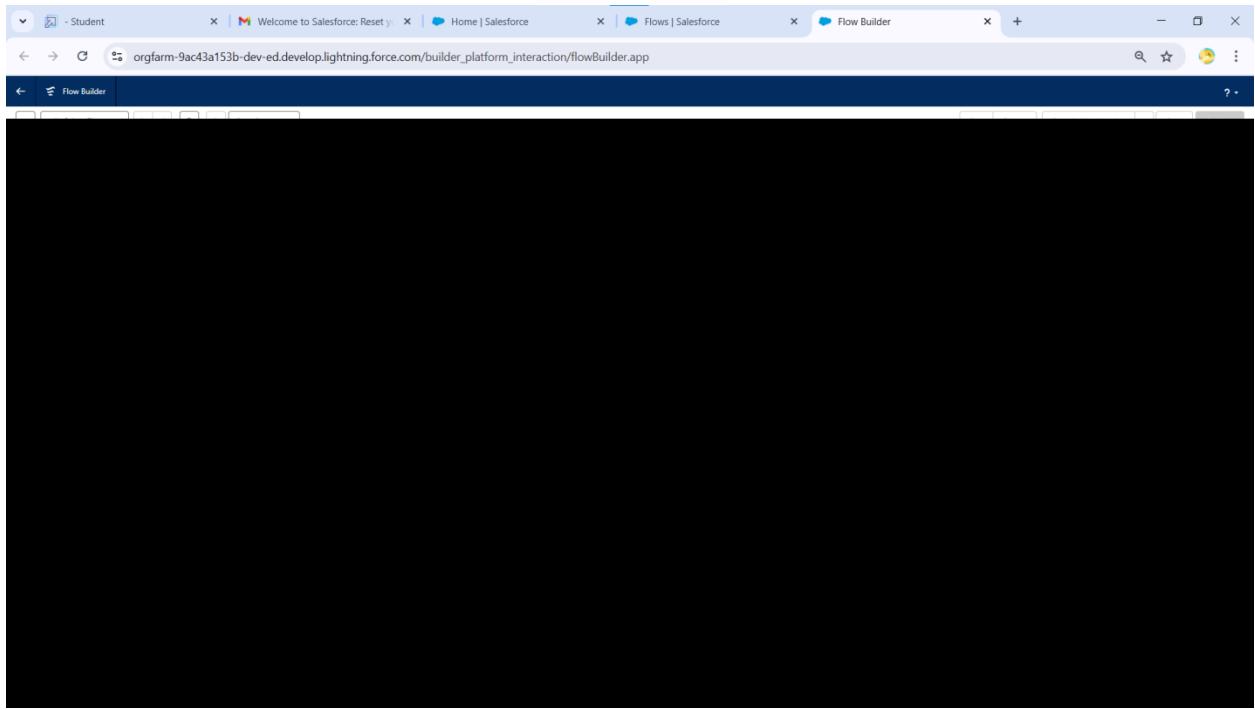
The screenshot shows the Salesforce Setup interface for configuring the 'Execution Detail' object. The left sidebar lists various setup categories like Fields & Relationships, Page Layouts, and Buttons, Links, and Actions. The main content area displays the 'Details' tab of the Execution Detail object's configuration page. It includes fields for API Name (Execution_Details__c), Singular Label (Execution Detail), Plural Label (Execution Details), and various deployment and reporting settings. The status is set to 'Deployed'. A message at the bottom right says 'Activate Windows Go to Settings to activate Windows.' The system tray at the bottom shows the date as 05-09-2025.

- TABS:

Creating a Custom Tab

- The Lightning App

Create a Lightning App



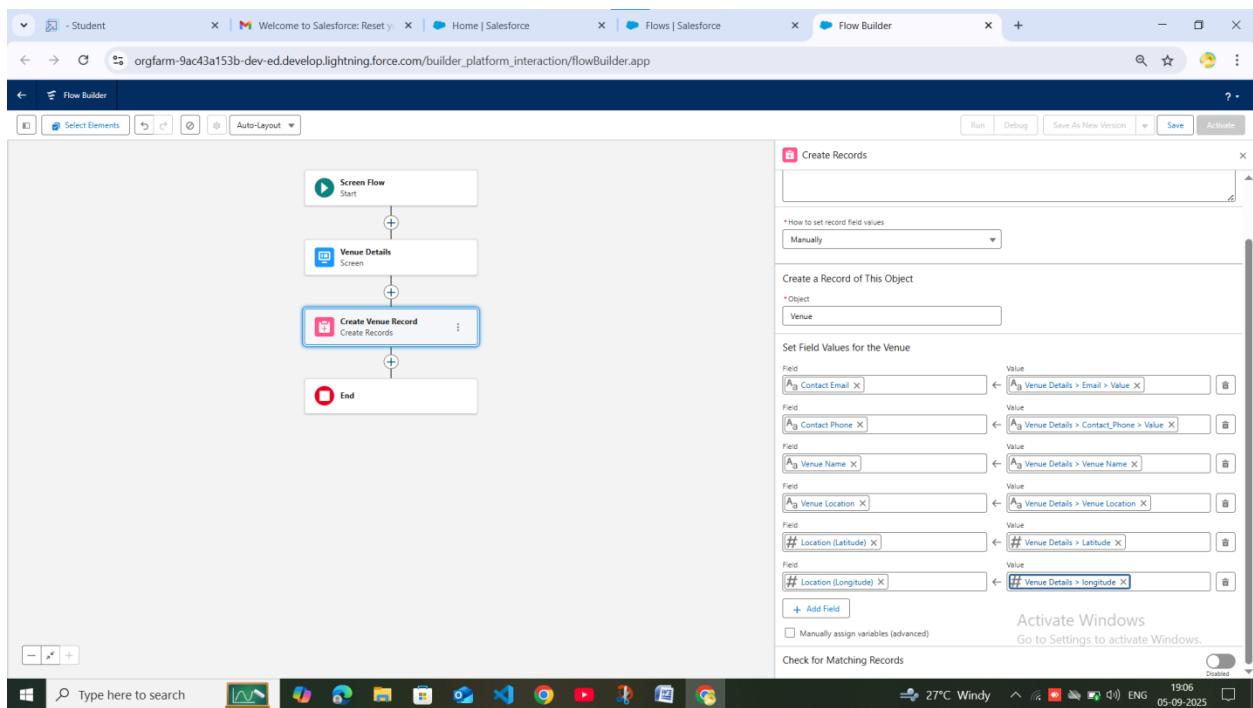
The screenshot shows the Salesforce Flow Builder interface with a "New Screen" component selected. The screen contains several input fields:

- A "Text" field labeled "[Flow Label]" with placeholder text "Venue Name".
- A "Text" field labeled "Email" with placeholder text "you@example.com".
- A "Text" field labeled "Phone".
- A "Text" field labeled "Venue Location".
- A "Text" field labeled "Latitude".
- A "Number" field labeled "longitude".

To the right of the screen, a properties panel is open for the "longitude" field, showing the following configuration:

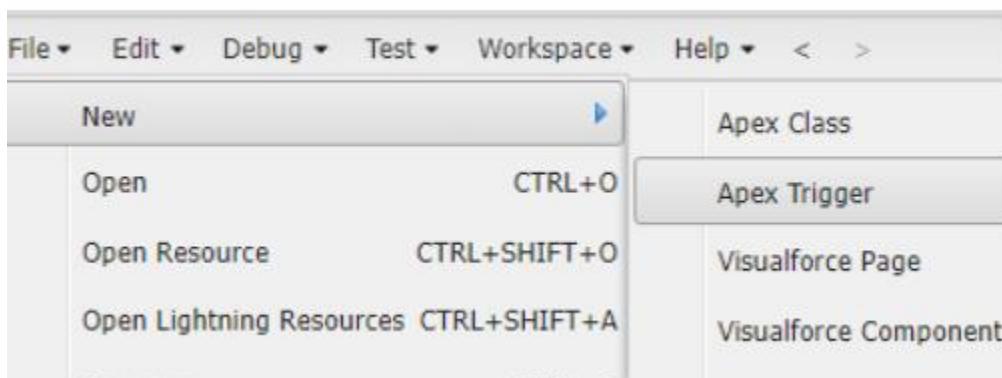
- Type:** Number
- Label:** longitude
- *API Name:** longitude
- Require**
- Read Only**
- Enter value or search resources...**
- Disabled**
- Enter value or search resources...**
- Default Value**
- Enter value or search resources...**
- Decimal Places:** 0

At the bottom right of the properties panel are "Cancel" and "Done" buttons. The status bar at the bottom of the browser window shows "Activate Windows" and "Get to Settings to activate Windows".



- TRIGGERS:

Create a Trigger



New Apex Trigger

| | |
|----------|-------------------|
| Name: | DropOffTrigger |
| sObject: | Drop_Off_Point__c |

Submit

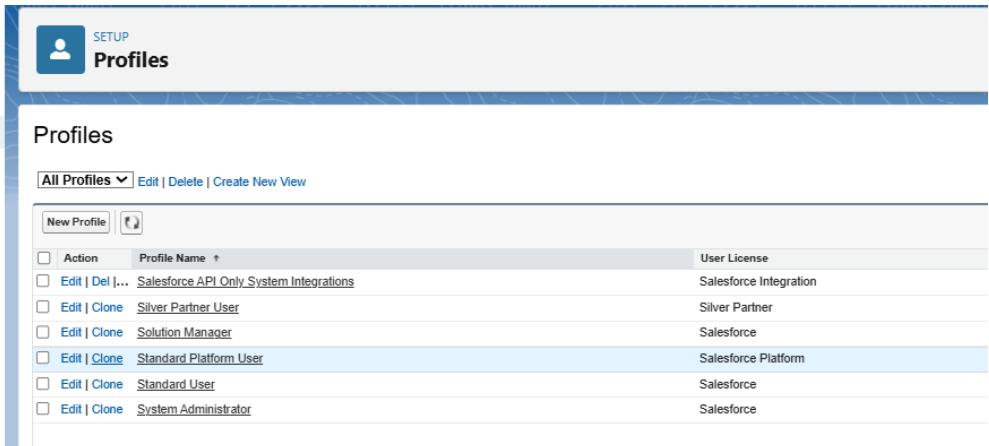
The screenshot shows a Windows desktop environment. At the top, there is a taskbar with several icons. Below the taskbar, a Microsoft Edge browser window is open to the URL `orgfarm-9ac43a153b-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. The main content of the browser shows the code for a trigger named `DropOffTrigger` on the `Drop_Off_point__c` object. The code is as follows:

```

1 trigger DropOffTrigger on Drop_Off_point__c (before insert) {
2     for(Drop_Off_point__c Drop : Trigger.new){
3         Drop.Distance__c = Drop.distance__c;
4     }
5 }
```

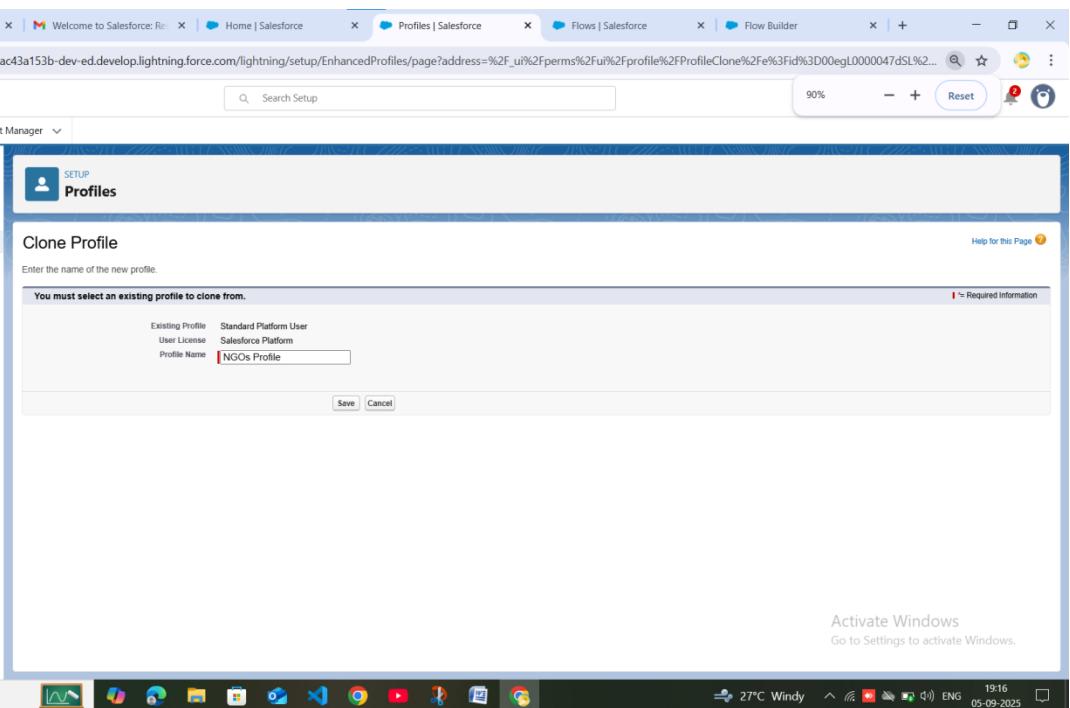
Below the browser, there is a status bar with the text "Activate Windows Go to Settings to activate Windows." At the very bottom of the screen, the Windows taskbar is visible, showing the Start button, a search bar, and various pinned application icons.

- **PROFILES:**



The screenshot shows the Salesforce 'Profiles' page under the 'SETUP' tab. The left sidebar has 'Users' expanded, with 'Profiles' selected. A search bar at the top left contains 'PROFILES'. The main area is titled 'Profiles' and shows a table of existing profiles:

| Action | Profile Name | User License |
|---------------------------------|---|------------------------|
| Edit Del ... | Salesforce API Only System Integrations | Salesforce Integration |
| Edit Clone | Silver Partner User | Silver Partner |
| Edit Clone | Solution Manager | Salesforce |
| Edit Clone | Standard Platform User | Salesforce Platform |
| Edit Clone | Standard User | Salesforce |
| Edit Clone | System Administrator | Salesforce |



The screenshot shows the 'Clone Profile' dialog box. The title is 'Clone Profile' and it says 'Enter the name of the new profile.' Below that, a message says 'You must select an existing profile to clone from.' A table shows the selection options:

| Existing Profile | Standard Platform User |
|------------------|---|
| User License | Salesforce Platform |
| Profile Name | <input type="text" value="NGOs Profile"/> |

At the bottom are 'Save' and 'Cancel' buttons. The status bar at the bottom right shows 'Activate Windows' and 'Go to Settings to activate Windows.'

- CREATION OF USERS:

Creation of User1

The screenshot shows the Salesforce Setup interface with the 'Users' tab selected. A new user record is being created with the following details:

- General Information:**
 - First Name: Iksha Foundation
 - Last Name: Iksha_Foundation
 - Alias: iks
 - Email: ammukiddo63@gmail.com
 - Username: ikshafoundation23@ngo.corr
 - Nickname: User1756633392188468773
 - Title:
 - Company:
 - Department:
 - Division:
- Role:** <None Specified>
- User License:** Salesforce Platform
- Profile:** NGOs Profile
- Active:**
- Marketing User:**
- Offline User:**
- Knowledge User:**
- Flow User:**
- Service Cloud User:**
- Site.com Contributor User:**
- Site.com Publisher User:**
- WDC User:**
- Data.com User Type:** <None>
- Data.com Monthly Addition Limit:** 300
- Accessibility Mode (Classic Only):**
- High-Contrast Palette on Charts:**
- Load Lightning Pages While Scrolling:**
- Debug Mode:**
- Make Setup My Default Landing Page:**

Help for this Page ?

Activate Windows
Go to Settings to activate Windows.

Creation of User2

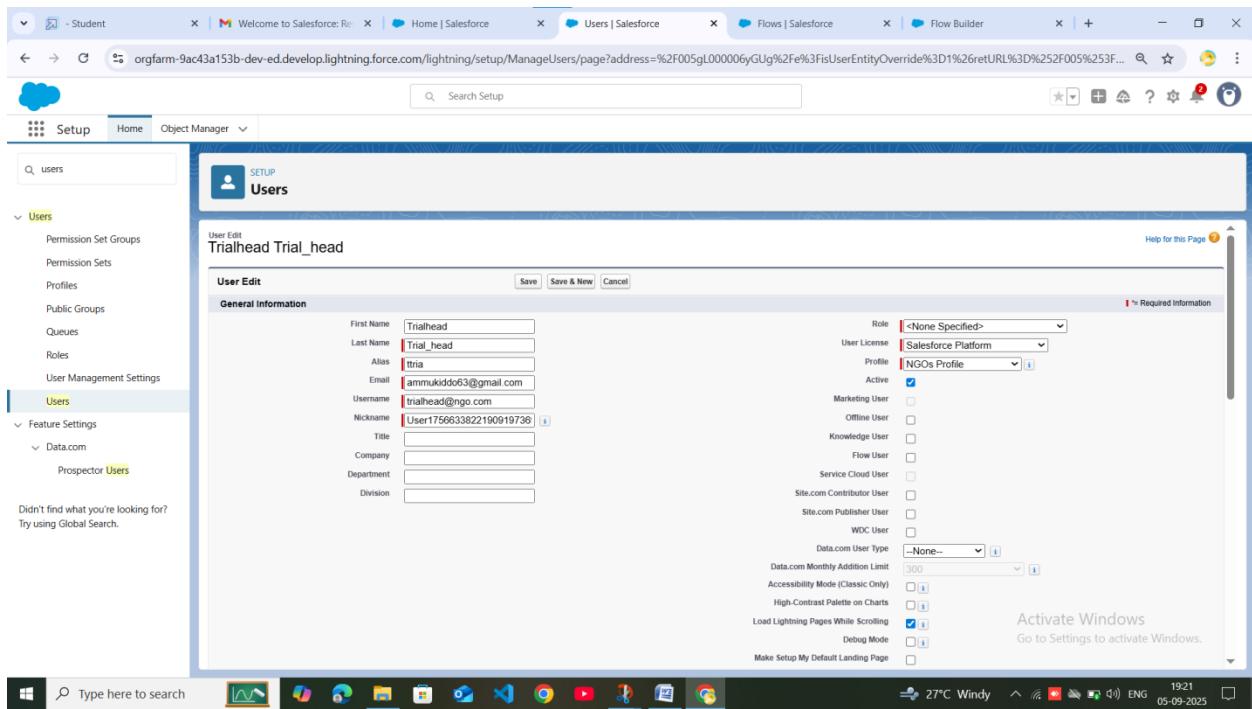
The screenshot shows the Salesforce Setup interface with the 'Users' tab selected. A new user record is being created with the following details:

- General Information:**
 - First Name: salesforce
 - Last Name: sales_force
 - Alias: ssale
 - Email: ammukiddo63@gmail.com
 - Username: salesforce@ngo.com
 - Nickname: User1756633708180511768
 - Title:
 - Company:
 - Department:
 - Division:
- Role:** <None Specified>
- User License:** Salesforce Platform
- Profile:** NGOs Profile
- Active:**
- Marketing User:**
- Offline User:**
- Knowledge User:**
- Flow User:**
- Service Cloud User:**
- Site.com Contributor User:**
- Site.com Publisher User:**
- WDC User:**
- Data.com User Type:** <None>
- Data.com Monthly Addition Limit:** 300
- Accessibility Mode (Classic Only):**
- High-Contrast Palette on Charts:**
- Load Lightning Pages While Scrolling:**
- Debug Mode:**
- Make Setup My Default Landing Page:**

Help for this Page ?

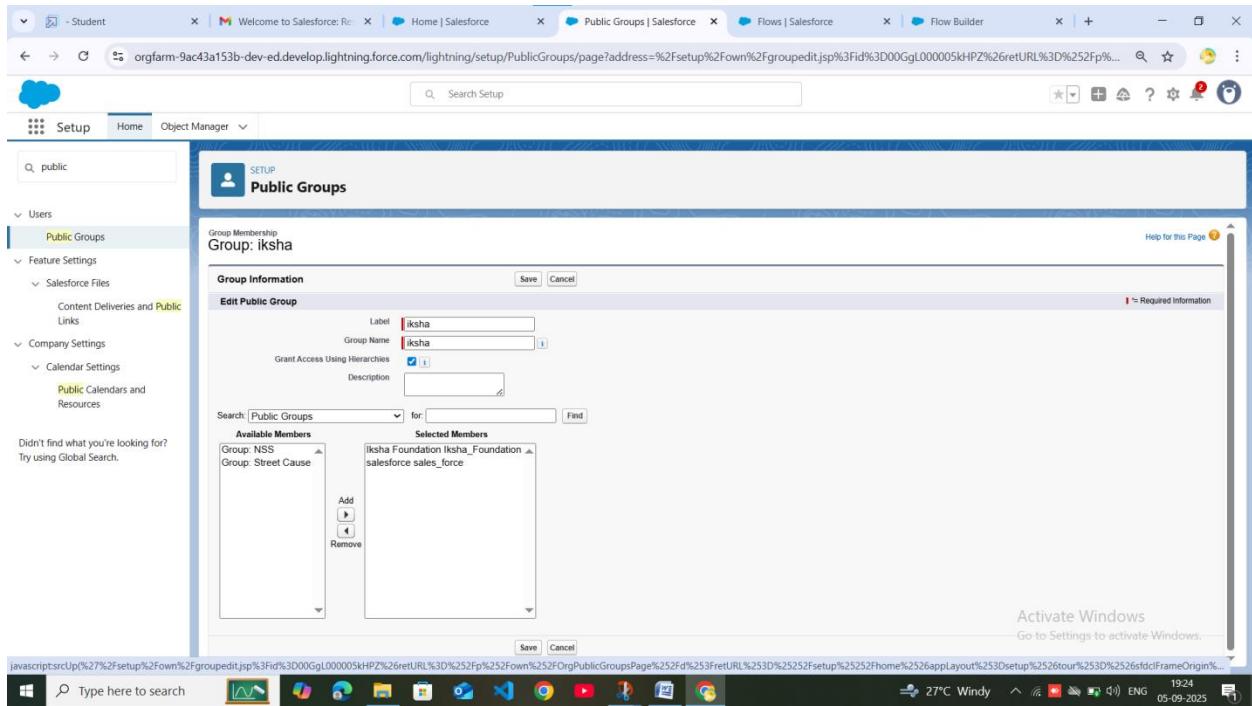
Activate Windows
Go to Settings to activate Windows.

Creation of User3

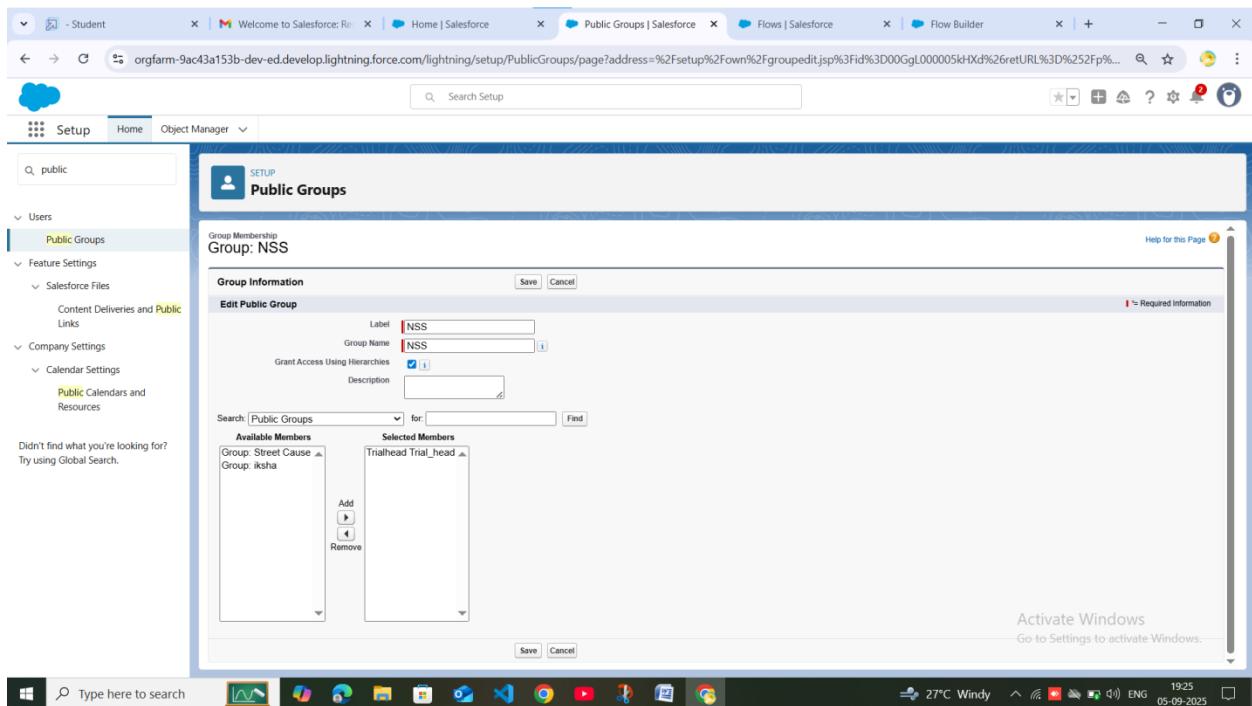


- PUBLIC GROUPS:

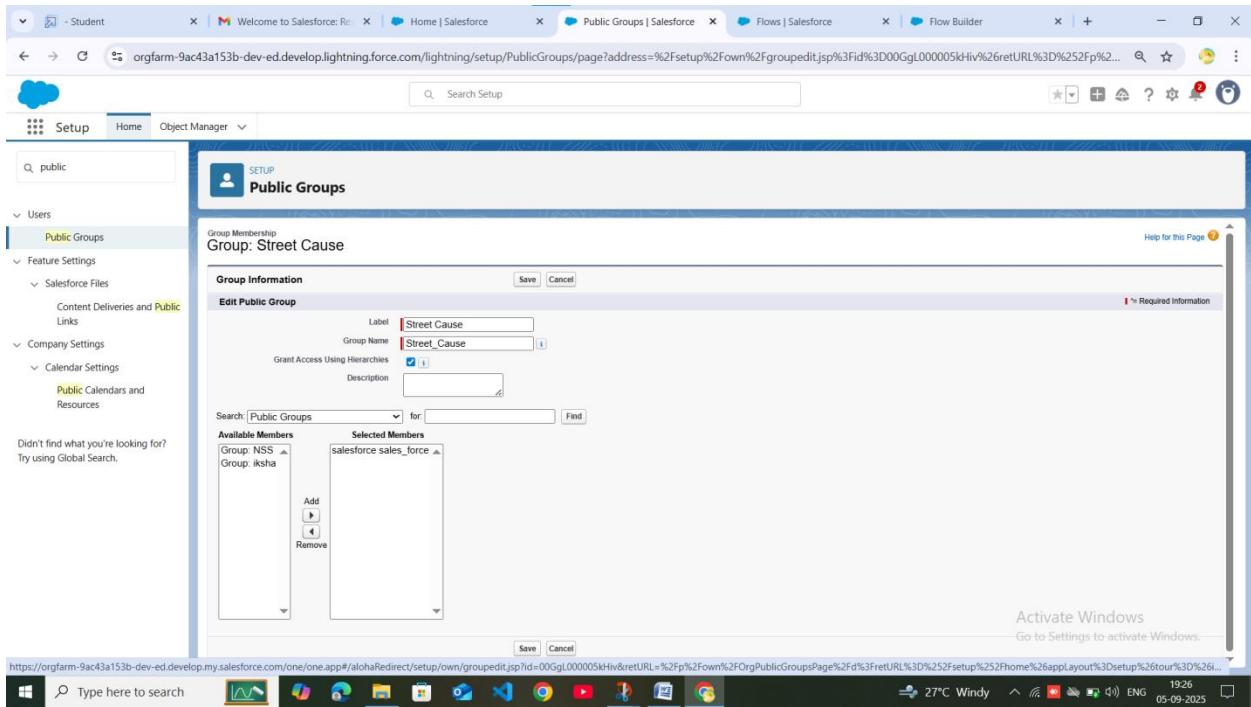
Creation of Public Group 1



Creation of Public Group 2



Creation of Public Group 3



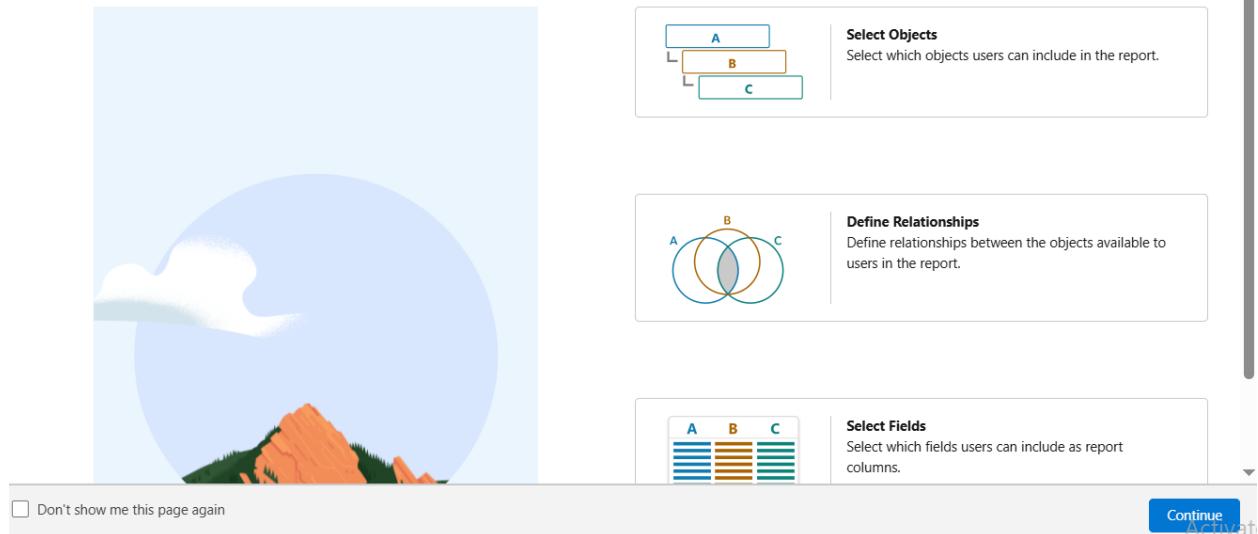
- REPORT TYPs:

Creation of Report Types

Custom Report Types

Build Custom Report Types

Help users create the reports they want with the new custom report type editor. Build report types that go beyond standard report types by defining the relationships between objects and adding fields via lookups.



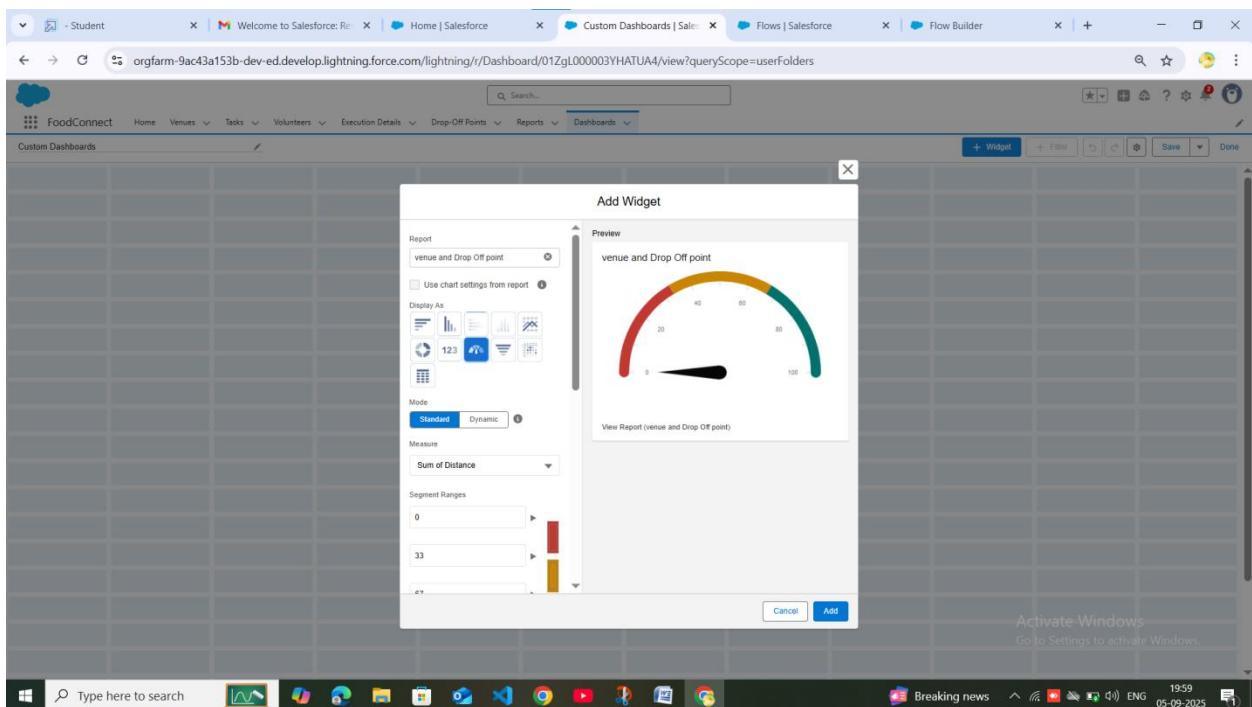
- REPORTS:

Creation of Report on Venue with DropOff with Volunteer

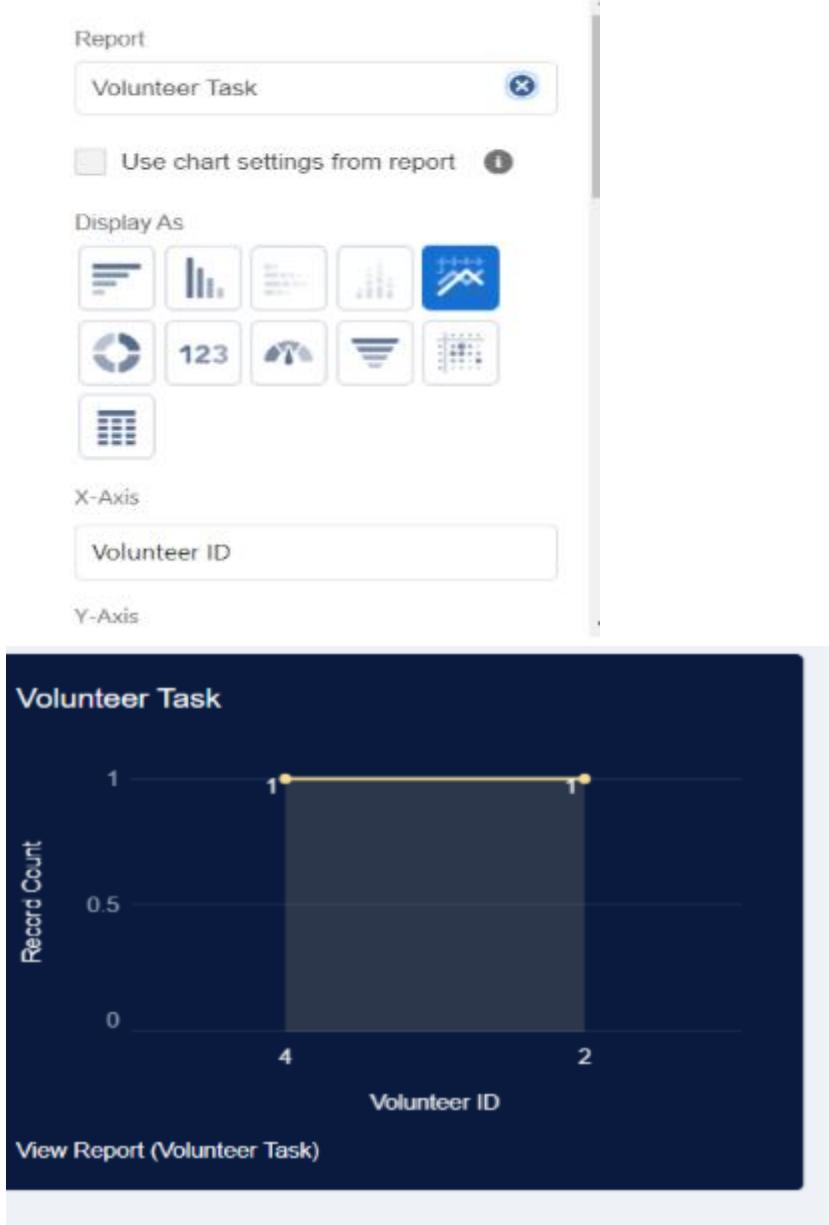
Creation of Report on Volunteers with Execution Details and Tasks

- DASHBOARDS:

Adding venue and Drop Off point Report to the Dashboard



Adding Volunteer Task Report to the Dashboard



- SHARING RULES:

Creation of sharing rules:

Rule 1

The screenshot shows the Salesforce Sharing Settings page for a 'Drop-Off Point Sharing Rule'. The rule is labeled 'Rule 1' and has a description of 'Rule_1'. The criteria for this rule is set to 'Distance less than 15'. The rule is set to 'Read Only' access level and is owned by 'sandhya.T'. The page also includes a note about sharing rules and a 'Save' button.

Sharing Settings

Drop-Off Point Sharing Rule

Label: Rule 1
Rule Name: Rule_1
Description:

Step 1: Select your rule type

| Criteria | Field | Operator | Value | Logic |
|----------|----------|-----------|--------|-------|
| | Distance | less than | 15 | AND |
| | -None- | -None- | -None- | AND |
| | -None- | -None- | -None- | AND |
| | -None- | -None- | -None- | AND |
| | -None- | -None- | -None- | |

Additional Options: Include records owned by users who can't have an assigned role

Share with: Group: India
Access Level: Read Only
Created By: sandhya.T 03/10/2025, 4:10 AM

Modified By: sandhya.T 03/10/2025, 4:10 AM

Activate Windows
Go to Settings to activate Windows.

Rule 2

The screenshot shows the Salesforce Sharing Settings page for a 'Drop-Off Point Sharing Rule'. The rule is labeled 'Rule 2' and has a description of 'Rule_2'. The criteria for this rule is set to 'Distance greater than 15 AND Distance less than or equal to 30'. The rule is set to 'Read Only' access level and is owned by 'sandhya.T'. The page also includes a note about sharing rules and a 'Save' button.

Sharing Settings

Drop-Off Point Sharing Rule

Label: Rule 2
Rule Name: Rule_2
Description:

Step 1: Select your rule type

| Criteria | Field | Operator | Value | Logic |
|----------|----------|--------------------|--------|-------|
| | Distance | greater than | 15 | AND |
| | Distance | less than or equal | 30 | AND |
| | -None- | -None- | -None- | AND |
| | -None- | -None- | -None- | AND |
| | -None- | -None- | -None- | |

Additional Options: Include records owned by users who can't have an assigned role

Share with: Group: NSS
Access Level: Read Only
Created By: sandhya.T 03/10/2025, 4:13 AM

Modified By: sandhya.T 03/10/2025, 4:21 AM

Activate Windows
Go to Settings to activate Windows.

Rule 3

The screenshot shows the Salesforce Sharing Settings page for a 'Drop-Off Point Sharing Rule'. The rule is labeled 'Rule 3' and has a description of 'Rule 3'. It includes a table for 'Step 1: Select your rule type' with two criteria: 'Distance greater than 30' and 'Distance less than or equal to 50'. The rule is shared with 'Group: Street Cause' at 'Read Only' level. The page also shows a 'Drop-Off Point Sharing Rules' table with three entries.

| Action | Criteria | Shared With | Access Level |
|------------|--|---------------------|--------------|
| Edit Del | Drop-Off Point: Distance LESS THAN 15 | Group: iksha | 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 |

● HOME PAGE:

Creation of Home Page

The screenshot shows the Salesforce Lightning App Builder interface. A modal window titled "Flow Component: Venue Form" is open, indicating that flows don't run in the canvas. The main workspace is currently empty. On the left, a sidebar lists various components under "Standard (43)". On the right, the "Page" configuration pane is visible, showing fields for Label ("Home Page"), API Name ("Home_Page"), Page Type ("Home Page"), Template ("Home Template One Region"), and Description. A status message at the bottom right says "Activate Windows Go to Settings to activate Windows." The system tray at the bottom shows it's 20:11 on 05-09-2025.

The screenshot shows the Salesforce Lightning App Builder interface with the "Home Page - Lightning Ap..." tab selected. The main workspace displays a preview of the "Venue Form" component. The browser address bar shows "orgfarm-9ac43a153b-dev-ed.develop.lightning.force.com/lightning/page/home". The browser navigation bar includes links for "FoodConnect", "Home", "Venues", "Tasks", "Volunteers", "Execution Details", "Drop-Off Points", "Reports", and "Dashboards". The system tray at the bottom shows it's 20:12 on 05-09-2025.

- ADVANTAGE:
 1. Reduces Food Wastage – Surplus food is utilized instead of being thrown away.
 2. Helps Poor & Needy – Provides meals to underprivileged people.
- 3. Promotes Social Responsibility – Encourages individuals, hotels, and organizations to contribute to society.
- 4. Cost-Effective – No extra production cost, as food is already available.
- 5. Supports Sustainable Goals – Contributes to “Zero Hunger” and reduces environmental impact of food waste.
- 6. Builds Community Support – Creates a connection between donors, NGOs, and society.
- DISADVANTAGE:
 1. Food Safety Concerns – Risk of serving spoiled or contaminated food if not handled properly.
 2. Logistics Issues – Timely collection and delivery can be challenging.

3. Dependence on Volunteers – Requires active NGO/volunteer participation for success.
4. Limited Storage – Perishable food must be distributed quickly, which may cause wastage if demand is less.

5. Awareness Gap – Many potential donors may not be aware of the platform or may hesitate to share food.

CONCLUSION:

This project highlights the importance of reducing food wastage and utilizing surplus food to serve society. By creating a platform that connects food donors with NGOs and volunteers, leftover food can be effectively collected and distributed to the poor and needy. The system ensures that edible food is not wasted but reaches those who are struggling to get daily meals.

Through this initiative, we can not only minimize hunger but also promote social responsibility, community welfare, and environmental sustainability. This project contributes to the vision of “Zero Hunger” and sets an example of how technology can be used for a meaningful social cause.