

PROTECT TITLE :

To Supply Leftover Food To Poor

College Name: Sri Ramakrishna College of Arts and Science For Women

College Code: **bru28**

TEAM ID: NM2025TMID24193

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INTRODUCTION:

Project Overview:

Utilizing Salesforce, our project streamlines surplus food collection and distribution to the needy, ensuring efficiency and transparency. This project aims to bridge the gap between food donors and needy people using Salesforce CRM.

Using Salesforce, we can track food donors, available leftover food, volunteers, and drop-off locations. The system helps to manage requests, schedule pickups, assign volunteers, and monitor distributions. It also ensures food safety, transparency, and accountability.

This initiative is designed to reduce food wastage and fight hunger by connecting donors, NGOs, and volunteers on a single centralized platform.

Purpose:

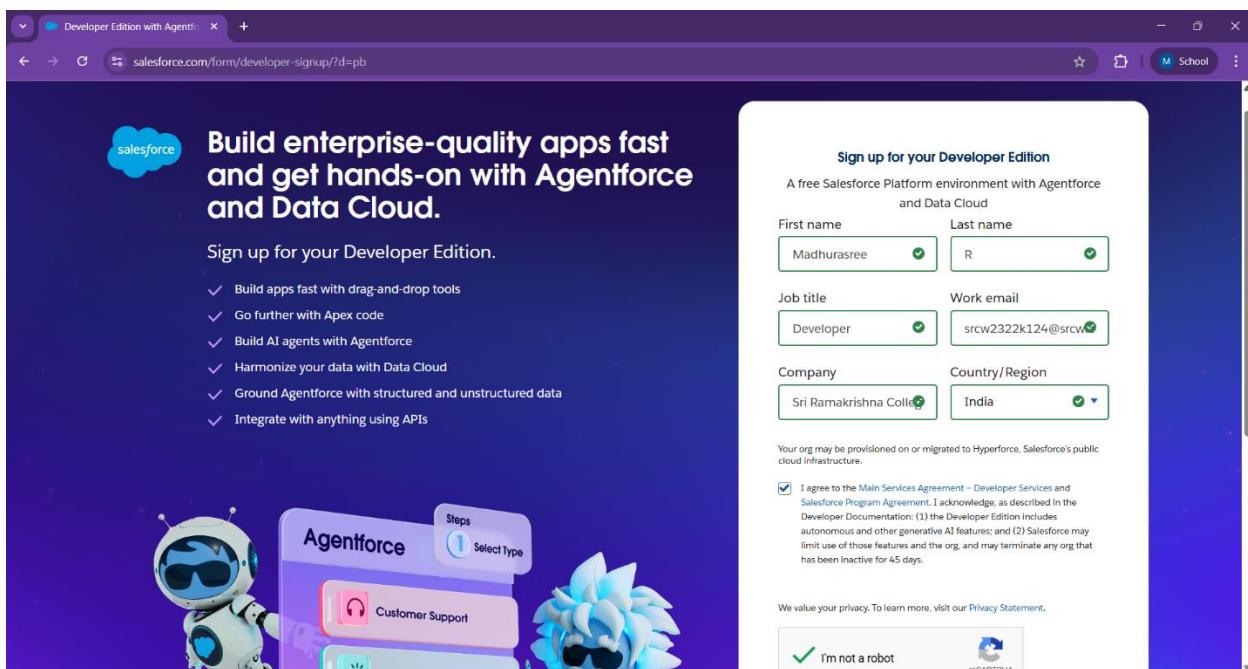
The main objectives of this Salesforce project are:

- Reduce food wastage by collecting leftover food from donors.
- Feed the needy by distributing food to poor and homeless people.
- Track and manage food donations, volunteers, and drop-off venues efficiently.
- Automate workflows for scheduling pickups, assigning tasks, and notifying Volunteers.
- Ensure transparency between donors, NGOs, and beneficiaries.
- Generate real-time reports and dashboards to monitor donation trends

Account Creation:

Go to <https://developer.salesforce.com/signup>

Use this url to create developer org , create it and verify by email and reset the password



Custom Object Creation:

Venue Object : Go to setup, object manager then click on new custom object .Select the datatype as text and label it as Venue.

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes tabs for 'Student', 'Welcome to Salesforce: Reset your password', 'Home | Salesforce', and 'Venue | Salesforce'. The main title is 'Object Manager > SETUP > OBJECT MANAGER'. The object being viewed is 'Venue'. 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, and Scoping Rules. The right panel displays the 'Details' section for the 'Venue' object. It includes fields for Description, API Name (set to 'Venue__c'), Singular Label (set to 'Venue'), Plural Label (set to 'Venues'), and several checkboxes for reports and activities. At the bottom right of the details panel are 'Edit' and 'Delete' buttons.

Drop-Off Point Object : Go to setup, object manager then click on new custom object .Label the object as Drop-Off Point and the datatype as text.

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes tabs for 'Student', 'Welcome to Salesforce: Reset your password', 'Recently Viewed | Drop-Off Point', and 'Drop-Off Point | Salesforce'. The main title is 'Object Manager > SETUP > OBJECT MANAGER'. The object being viewed is 'Drop-Off Point'. 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, and Scoping Rules. The right panel displays the 'Details' section for the 'Drop-Off Point' object. It includes fields for Description, API Name (set to 'Drop_Off_Point__c'), Singular Label (set to 'Drop-Off Point'), Plural Label (set to 'Drop-Off Points'), and several checkboxes for reports and activities. At the bottom right of the details panel are 'Edit' and 'Delete' buttons.

Task Object : Go to setup, object manager then click on new custom object .Label the object as Task and the datatype as text.

The screenshot shows the Salesforce Object Manager interface for the 'Task' 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, and Scoping Rules. The main 'Details' tab is selected, showing the following configuration details:

Setting	Value
Description	
API Name	Task_c
Custom	✓
Singular Label	Task
Plural Label	Tasks
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

At the bottom right of the main area are 'Edit' and 'Delete' buttons.

Volunteer Object : Go to setup, object manager then click on new custom object .Label the object as Volunteer and the datatype as text.

The screenshot shows the Salesforce Object Manager interface for the 'Volunteer' 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, and Scoping Rules. The main 'Details' tab is selected, showing the following configuration details:

Setting	Value
Description	
API Name	Volunteer_c
Custom	✓
Singular Label	Volunteer
Plural Label	Volunteers
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

At the bottom right of the main area are 'Edit' and 'Delete' buttons. The URL at the bottom of the page is <https://orgfarm-6d130f4626-dev-ed.develop.lightning.force.com/one/one.app#/setup/ObjectManager/01gK00000230rx/ButtonsLinksActions/view>.

Execution Detail Object : Go to setup, object manager then click on new custom object .Label the object as Execution Detail and the datatype as text.

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

- Setup > OBJECT MANAGER**
- Execution Detail**
- Details** tab selected.
- Description**: Execution Detail
- API Name**: Execution_Detail_c
- Custom**: ✓
- Singular Label**: Execution Detail
- Plural Label**: Execution Details
- Enable Reports**: ✓
- Track Activities**: ✓
- Track Field History**: ✓
- Deployment Status**: Deployed
- Help Settings**: Standard salesforce.com Help Window

Custom Tab Creation:

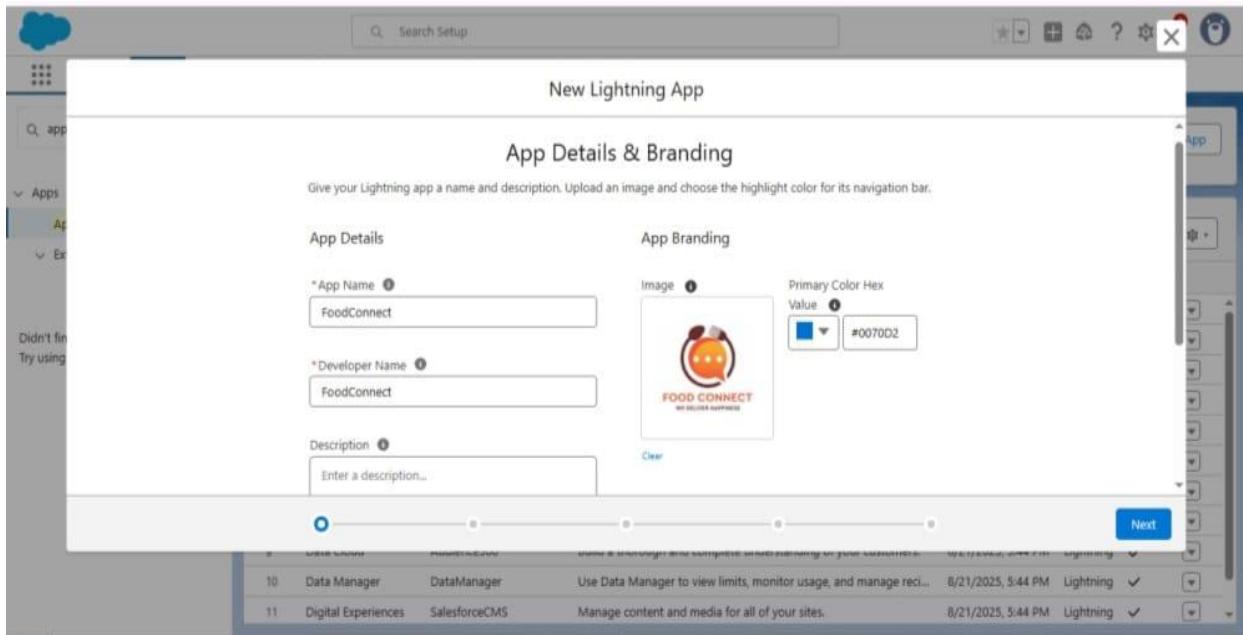
A tab is like a user interface that is used to build records for objects and to view the records in the objects.

Here we created custom tabs for these objects: Venues, Volunteers, Tasks, Drop-Off Point, Execution Details.

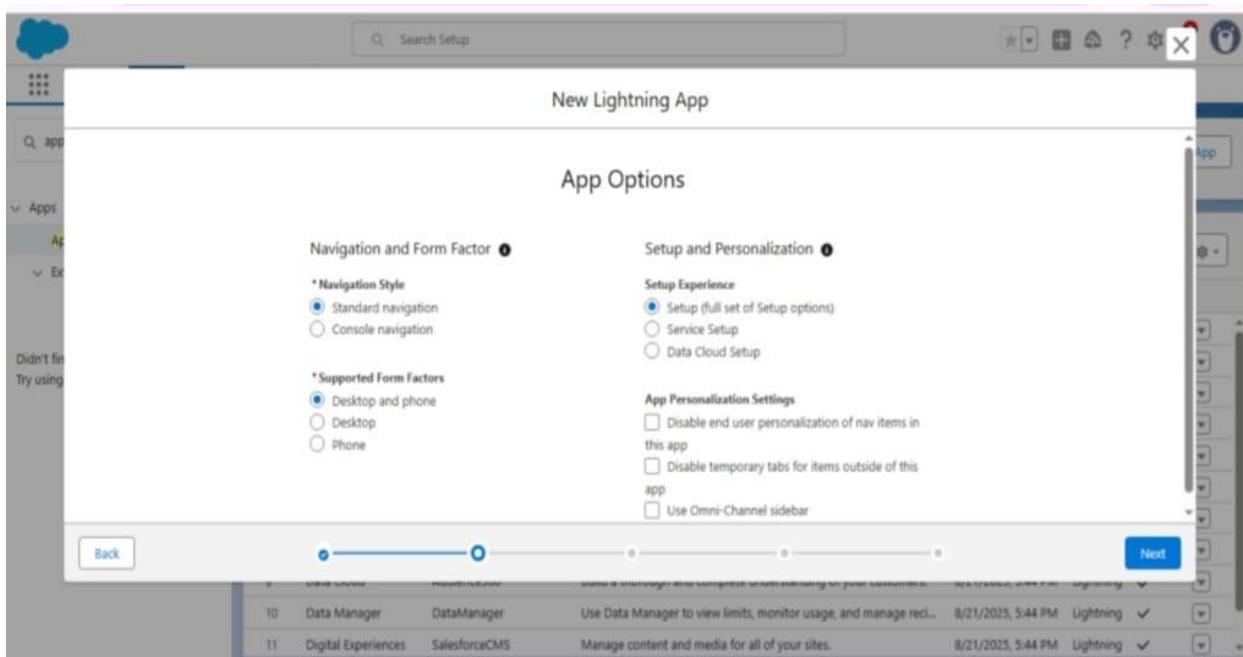
The screenshot shows the Salesforce Setup interface with the following details:

- Setup > Tabs**
- Custom Tabs**
- Custom Object Tabs** section:
 - Action: Edit | Del, Label: Drop-Off Points, Tab Style: Airplane
 - Action: Edit | Del, Label: Execution Details, Tab Style: Bell
 - Action: Edit | Del, Label: Tasks, Tab Style: Books
 - Action: Edit | Del, Label: Venues, Tab Style: Alarm clock
 - Action: Edit | Del, Label: Volunteers, Tab Style: Car
- Web Tabs**: No Web Tabs have been defined.
- Visualforce Tabs**: No Visualforce Tabs have been defined.

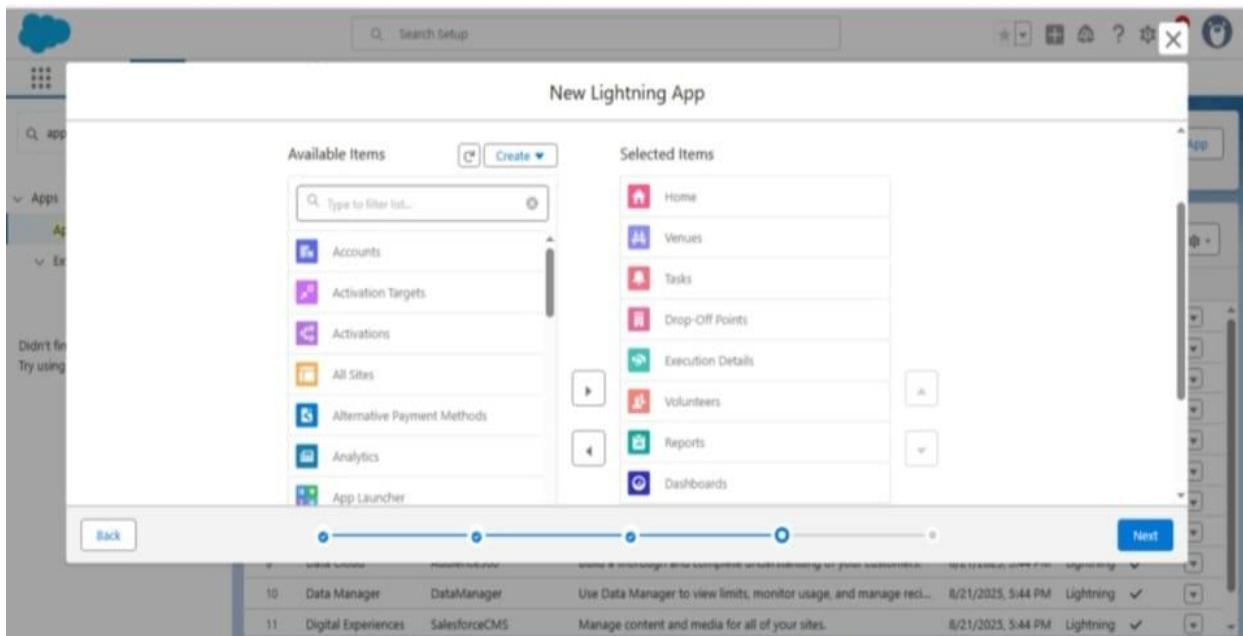
Lightning App: Creating new lightning app as Food Connect



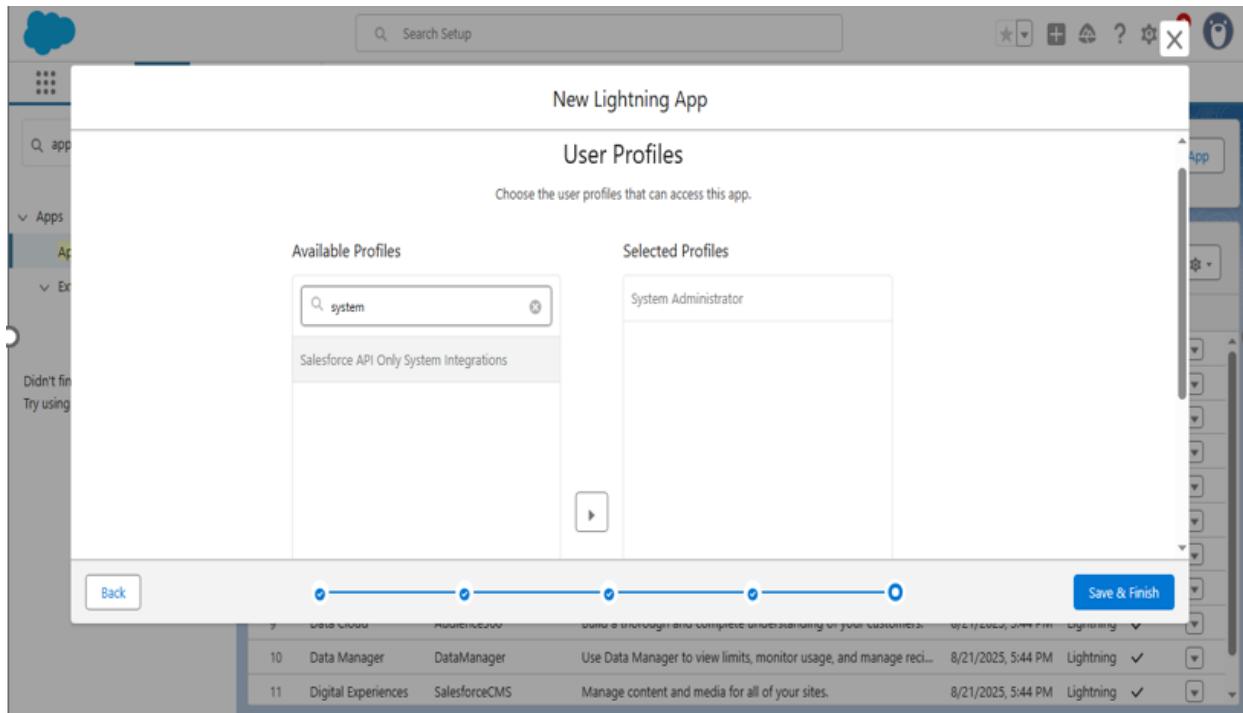
Set Navigation style as Standard navigation



Choose the Items for lightning app from available items



Add System Administrator in Profiles and save



In Lightning App Manager FoodConnect is created

The screenshot shows the Lightning Experience App Manager interface. On the left, a sidebar lists 'Apps' and 'App Manager'. Under 'App Manager', 'External Client Apps' is expanded, showing 'External Client App Manager' and 'FoodConnect'. A message says ' Didn't find what you're looking for? Try using Global Search.' The main area displays a table of 27 items, sorted by App Name, filtered by All appmenuitems - TabSet Type, App Type. The table includes columns for App Name, Developer Name, Description, Last Modified Date, App Type, and Visibility. The 'FoodConnect' row is highlighted.

App Name ↑	Developer Name	Description	Last Modified Date	App Type	Visible...
FoodConnect	FoodConnect	Manage food and drink items for your business.	9/5/2025, 9:27 AM	Lightning	✓
Automation	FlowsApp	Automate business processes and repetitive tasks.	8/31/2025, 9:36 PM	Lightning	✓
Bolt Solutions	LightningBolt	Discover and manage business solutions designed for your industry.	8/31/2025, 9:30 PM	Lightning	✓
Community	Community	Salesforce CRM Communities	8/31/2025, 9:30 PM	Classic	✓
Content	Content	Salesforce CRM Content	8/31/2025, 9:30 PM	Classic	✓
Data Cloud	Audience360	Build a thorough and complete understanding of your customers.	8/31/2025, 9:30 PM	Lightning	✓
Data Manager	DataManager	Use Data Manager to view limits, monitor usage, and manage recipes.	8/31/2025, 9:30 PM	Lightning	✓
Digital Experiences	SalesforceCMS	Manage content and media for all of your sites.	8/31/2025, 9:30 PM	Lightning	✓
FoodConnect	FoodConnect	Manage food and drink items for your business.	9/5/2025, 9:27 AM	Lightning	✓
Lightning Usage App	LightningInstrumentation	View Adoption and Usage Metrics for Lightning Experience	8/31/2025, 9:30 PM	Lightning	✓
Marketing CRM Classic	Marketing	Track sales and marketing efforts with CRM objects.	8/31/2025, 9:30 PM	Classic	✓
My Service Journey	MSJApp	Discover new customer service capabilities.	8/31/2025, 9:30 PM	Lightning	✓
Platform	Platform	The fundamental Lightning Platform	8/31/2025, 9:30 PM	Classic	✓
Queue Management	QueueManagement	Create and manage queues for your business.	8/31/2025, 9:30 PM	Lightning	✓

The screenshot shows the FoodConnect app home page. At the top, there's a navigation bar with tabs for Home, Venues, Tasks, Volunteers, Drop-Off Points, Execution Details, Reports, and Dashboards. Below the navigation is a section titled 'Quarterly Performance' with a chart showing 'CLOSED \$0', 'OPEN (>70%) \$0', and 'GOAL --'. The chart has a y-axis from 0 to 500k and an x-axis from Aug to Dec. A legend indicates 'Closed' (orange), 'Goal' (green), and 'Closed + Open (>70%)' (blue). To the right is an 'Assistant' panel with a cartoon illustration of a person at a desk and the text 'Nothing needs your attention right now. Check back later.' Below the performance chart are sections for 'Today's Events' and 'Today's Tasks', each featuring a small icon-based visualization.

Fields:

Creation Of Relationship Fields in Objects:

Select the relationship as Master Detail Relationship and name it as Droff-Off Points

The screenshot shows the Salesforce Setup interface with the 'Object Manager' selected. Under the 'Volunteer' object, the 'Fields & Relationships' section is open. A table lists four fields: 'Created By' (Lookup(User)), 'Drop_Off_point' (Master-Detail(Drop-Off Point)), 'Last Modified By' (Lookup(User)), and 'Volunteer Name' (Text(80)). The 'Drop_Off_point' field is highlighted as the master-detail relationship.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Drop_Off_point	Drop_Off_point_c	Master-Detail(Drop-Off Point)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Volunteer Name	Name	Text(80)		✓

Select the relationship as Master Detail Relationship and name it as Volunteer

The screenshot shows the Salesforce Setup interface with the 'Object Manager' selected. Under the 'Execution Detail' object, the 'Fields & Relationships' section is open. A table lists four fields: 'Created By' (Lookup(User)), 'Execution Detail Name' (Text(80)), 'Last Modified By' (Lookup(User)), and 'Volunteer' (Master-Detail(Volunteer)). The 'Volunteer' field is highlighted as the master-detail relationship.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Execution Detail Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Volunteer	Volunteer_c	Master-Detail(Volunteer)		✓

Select the relationship as Master Detail Relationship and name it as Task

The screenshot shows the Salesforce Setup interface. The top navigation bar includes tabs for 'Student', 'Welcome to Salesforce: Reset your password', 'Home | Salesforce', 'Execution Detail | Salesforce', and 'Home | Salesforce'. The main content area is titled 'SETUP > OBJECT MANAGER' and 'Execution Detail'. On the left, a sidebar lists various setup categories under 'Fields & Relationships'. The main panel displays a table titled 'Fields & Relationships' with 5 items, sorted by Field Label. The columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The rows show fields like 'Created By', 'Execution Detail Name', 'Last Modified By', 'Task', and 'Volunteer'.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Execution Detail Name	Name	Text(80)		✓
Last Modified By	LastModifiedBy	Lookup(User)		
Task	Task_c	Master-Detail(Task)		✓
Volunteer	Volunteer_c	Master-Detail(Volunteer)		✓

Creation of Lookup Relationship Field on Drop-Off Point Object and name it as Venues

The screenshot shows the Salesforce Setup interface. The top navigation bar includes tabs for 'Student', 'Welcome to Salesforce: Reset your password', 'Home | Salesforce', 'Execution Detail | Salesforce', and 'Home | Salesforce'. The main content area is titled 'SETUP > OBJECT MANAGER' and 'Drop-Off Point'. On the left, a sidebar lists various setup categories under 'Fields & Relationships'. The main panel displays a table titled 'Fields & Relationships' with 5 items, sorted by Field Label. The columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The rows show fields like 'Created By', 'Drop-Off point Name', 'Last Modified By', 'Owner', and 'Venue_c'.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Drop-Off point Name	Name	Text(80)		✓
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Venue_c	Venue_c	Lookup(Venue)		✓

Creation of Lookup Relationship Field on Task Object and name it as Venue and Drop-Off point

The screenshot shows the Salesforce Setup interface for the Task object. On the left, there is a sidebar with various configuration options like Page Layouts, Lightning Record Pages, Buttons, etc. The main area is titled 'Fields & Relationships' and lists six items. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Drop-Off Point	Drop_Off_Point__c	Lookup(Drop-Off Point)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Task Name	Name	Text(80)		✓
Venue	Venue__c	Lookup(Venue)		✓

Creation of fields for the Venue object:

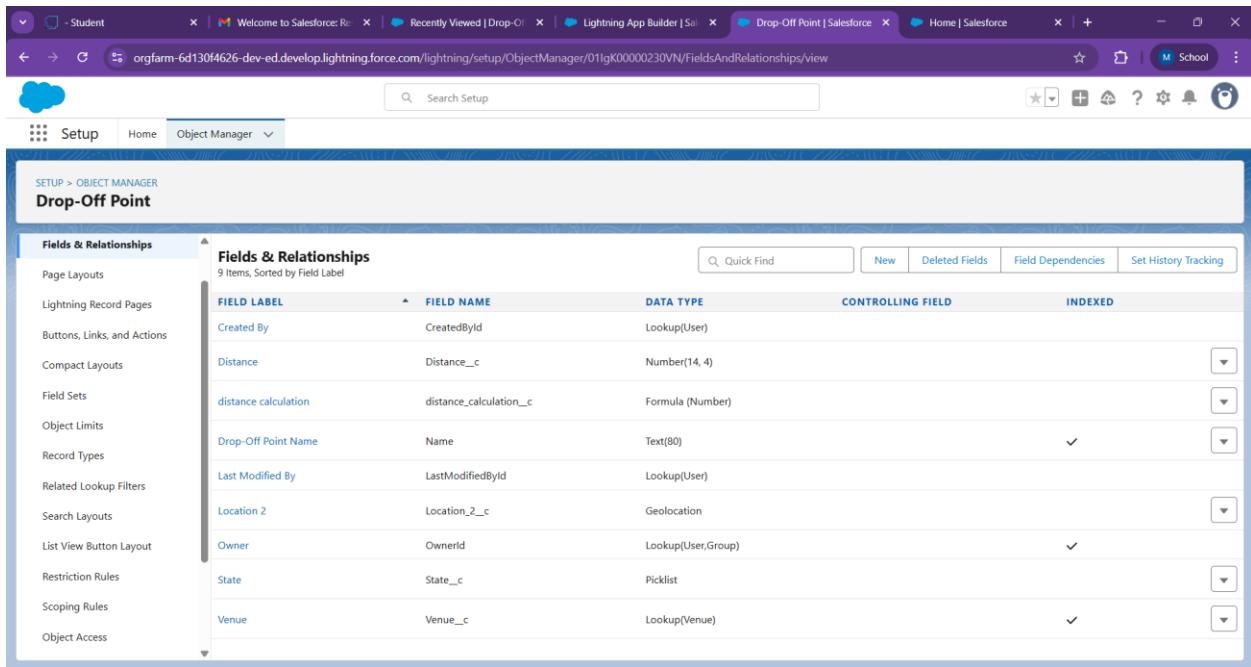
Creating Fields & Relationship datatype as Email, Phone, Geolocation, Long text area and its corresponding label as Contact Email, Contact Phone, Location, Venue location.

The screenshot shows the Salesforce Setup interface for the Venue object. On the left, there is a sidebar with various configuration options like Page Layouts, Lightning Record Pages, Buttons, etc. The main area is titled 'Fields & Relationships' and lists eight items. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
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)		✓
Venue Location	Venue_Location__c	Long Text Area(32768)		
Venue Name	Name	Text(80)		✓

Creation of fields for the Drop-Off point object

Creating Fields & Relationship datatype as Geolocation, formula, Picklist, Number and its corresponding label as Location2, distance calculation, State, Distance.



The screenshot shows the Salesforce Object Manager interface for the 'Drop-Off Point' object. On the left, a sidebar lists various setup categories like Page Layouts, Lightning Record Pages, and Field Sets. The main area is titled 'Fields & Relationships' and displays a table of nine fields. The columns are 'FIELD LABEL', 'FIELD NAME', 'DATA TYPE', 'CONTROLLING FIELD', and 'INDEXED'. The fields listed are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Distance	Distance__c	Number(14, 4)		
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	Venue__c	Lookup(Venue)		

Creation of fields for the Task object

Creating Fields & Relationship datatype as Autonumber, Date, Piclist(multi value), Number, text, Phone, Picklist , Long Text area and its corresponding label as Task ID, Date, Food Category, Number of personed served, Name of the person, Phone, Rating, Feedback.

Screenshot of the Salesforce Object Manager Fields & Relationships page for the Task object.

The page shows 5 items sorted by Field Label:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User/Group)		✓
Task Name	Name	Text(80)		✓
Venue	Venue__c	Lookup(Venue)		✓

Screenshot of the Salesforce Object Manager Fields & Relationships page for the Task object.

The page shows 15 items sorted by Field Label:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Date	Date__c	Date		
Distance	Distance__c	Number(14, 4)		
Drop-Off Point	Drop_Off_Point__c	Lookup(Drop-Off Point)		✓
Feedback	Feedback__c	Long Text Area(32768)		
Food Category	Food_Category__c	Picklist (Multi-Select)		
Last Modified By	LastModifiedById	Lookup(User)		
Name of the Person	Name_of_the_Person__c	Text(15)		
Number of People Served	Number_of_People_Served__c	Number(18, 0)		

Screenshot of the Salesforce Object Manager Fields & Relationships page for the Task object.

The page title is "SETUP > OBJECT MANAGER Task".

The left sidebar shows the "Fields & Relationships" section selected under "Fields & Relationships". Other options include Details, 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, and Scoping Rules.

The main content area displays 15 items, sorted by Field Label:

Field Label	API Name	Type
Food Category	Food_Category__c	Picklist (Multi-Select)
Last Modified By	LastModifiedById	Lookup(User)
Name of the Person	Name_of_the_Person__c	Text(15)
Number of People Served	Number_of_People_Served__c	Number(18, 0)
Owner	OwnerId	Lookup(User,Group)
Phone	Phone__c	Phone
Rating	Rating__c	Picklist
Task ID	Task_ID__c	Auto Number
Task Name	Name	Text(80)
Venue	Venue__c	Lookup(Venue)

Buttons at the top right of the table include: Quick Find, New, Deleted Fields, Field Dependencies, and Set History Tracking.

Creation of fields for the Volunteer object

Creating Fields & Relationship datatype as Autonumber, Picklist, Date, Number, Email, Number, Text area , Date and its corresponding label as Volunteer ID, Gender, Available on, Age, Email, Contact Number, Address, Date of Birth.

The screenshot shows the Salesforce Setup interface under the Object Manager for the 'Volunteer' 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 12 items sorted by Field Label. The fields listed are:

Field Label	API Name	Type
Address	Address__c	Long Text Area(32768)
Age	Age__c	Number(18, 0)
Available On	Available_On__c	Date
Contact Number	Contact_Number__c	Number(18, 0)
Created By	CreatedBy	Lookup(User)
Date of Birth	Date_of_Birth__c	Date
Drop-Off Point	Drop_Off_Point__c	Master-Detail(Drop-Off Point)
Email	Email__c	Email
Gender	Gender__c	Picklist
Last Modified By	LastModifiedBy	Lookup(User)

This screenshot shows the same Salesforce Setup interface for the 'Volunteer' object, but with a different set of fields listed in the 'Fields & Relationships' section. The fields are:

Field Label	API Name	Type
Created By	CreatedBy	Lookup(User)
Date of Birth	Date_of_Birth__c	Date
Drop-Off point	Drop_Off_point__c	Master-Detail(Drop-Off Point)
Email	Email__c	Email
Gender	Gender__c	Picklist
Last Modified By	LastModifiedBy	Lookup(User)
Volunteer ID	Volunteer_ID__c	Auto Number
Volunteer Name	Volunteer_Name	Name

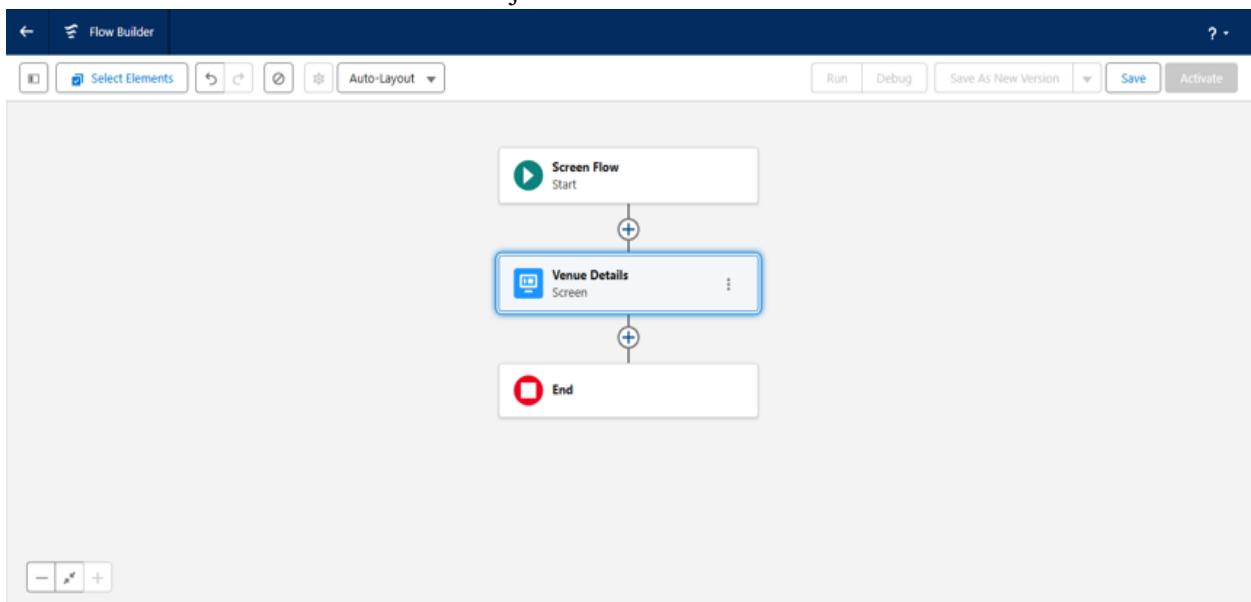
Creation of fields for the Execution Details object

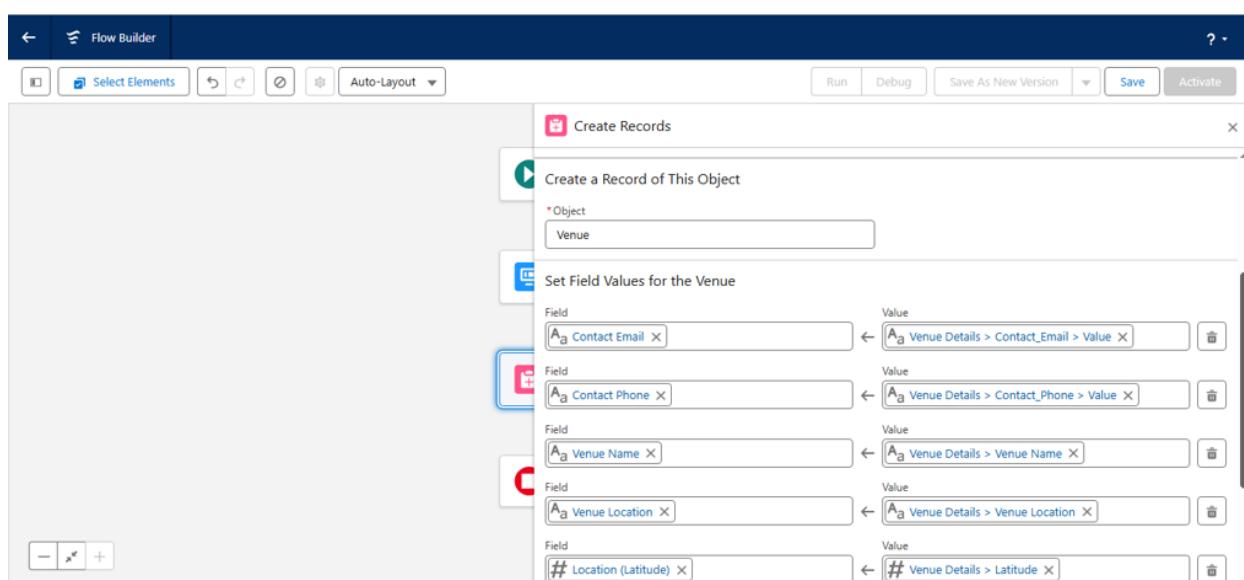
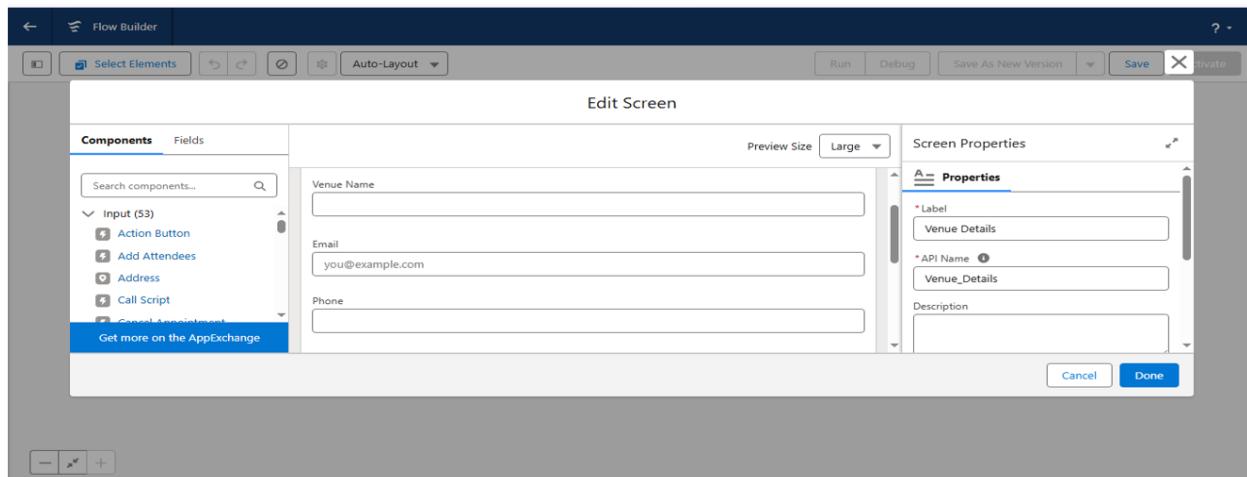
Create new Field & Relationship datatype as Autonumber and label it as Execution ID.

The screenshot shows the Salesforce Object Manager interface for the 'Volunteer' object. On the left, a sidebar lists various setup options like Page Layouts, Lightning Record Pages, and Fields & Relationships. The main area is titled 'Fields & Relationships' and displays a list of existing fields: Contact Number, Created By, Date of Birth, Drop-Off Point, Email, Execution ID, Gender, Last Modified By, Volunteer ID, and Volunteer Name. A new field, 'Execution ID', is being created, shown in the process of being saved. The 'Execution ID' field is of type 'Auto Number'.

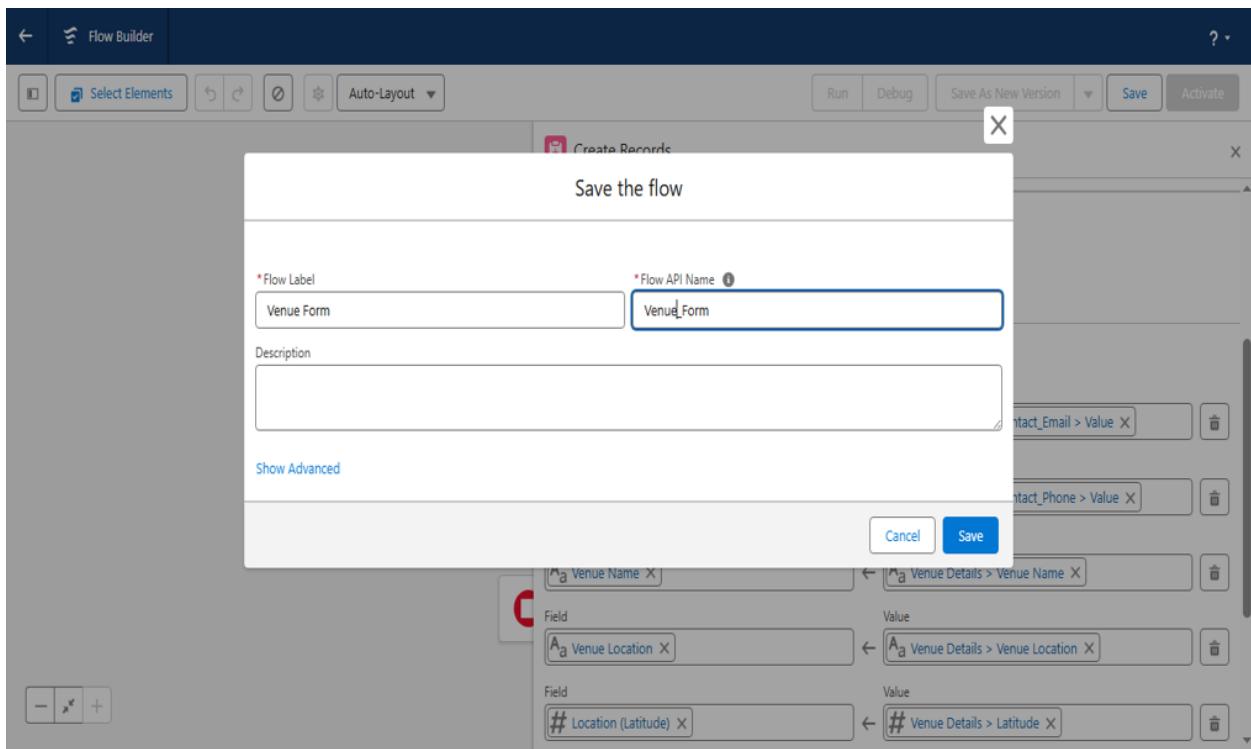
FLOW :

Create Flow to create a record in Venue object





Save and Activate the flow



Trigger:

Create a Trigger

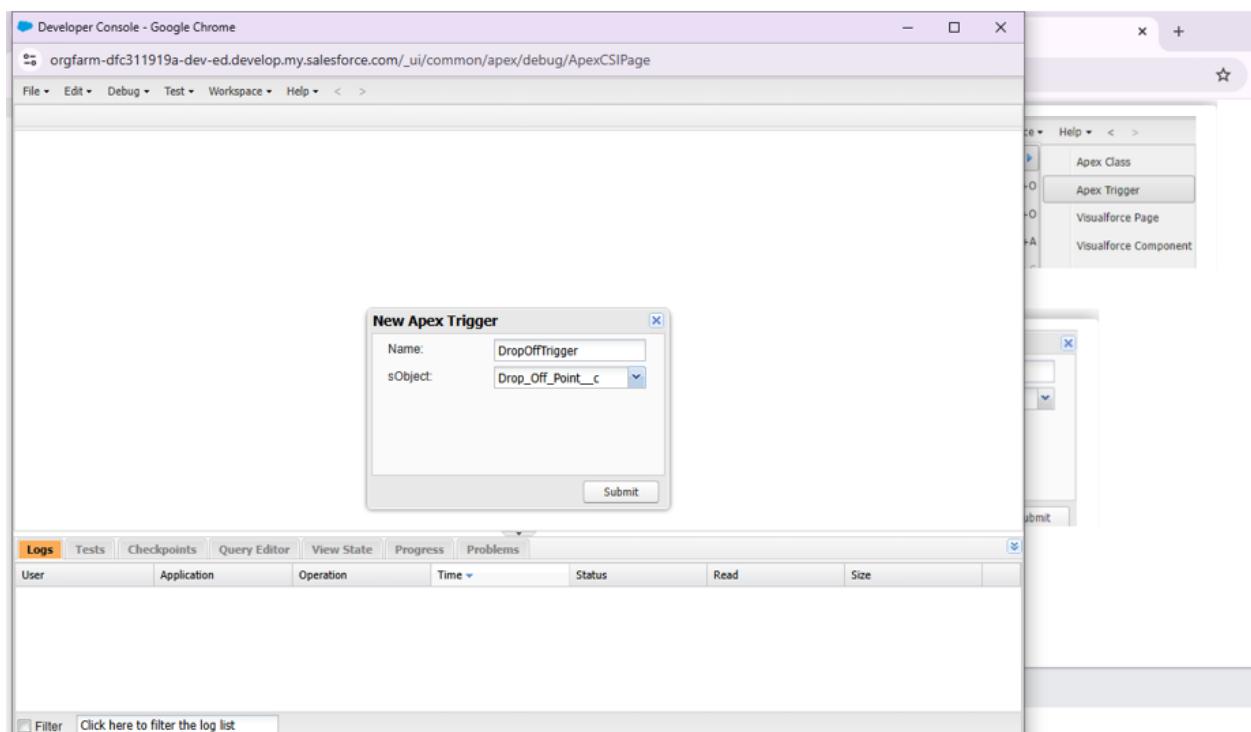
Log into the trailhead account, navigate to the gear icon in the top right corner.

Click on developer console and you will be navigated to a new console window.

Click on the File menu in the toolbar, and click on new >> Trigger.

Enter the trigger name and the object to be triggered.

Name it as DropOffTrigger



Developer Console - Google Chrome

orgfarm-6d130f4626-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >

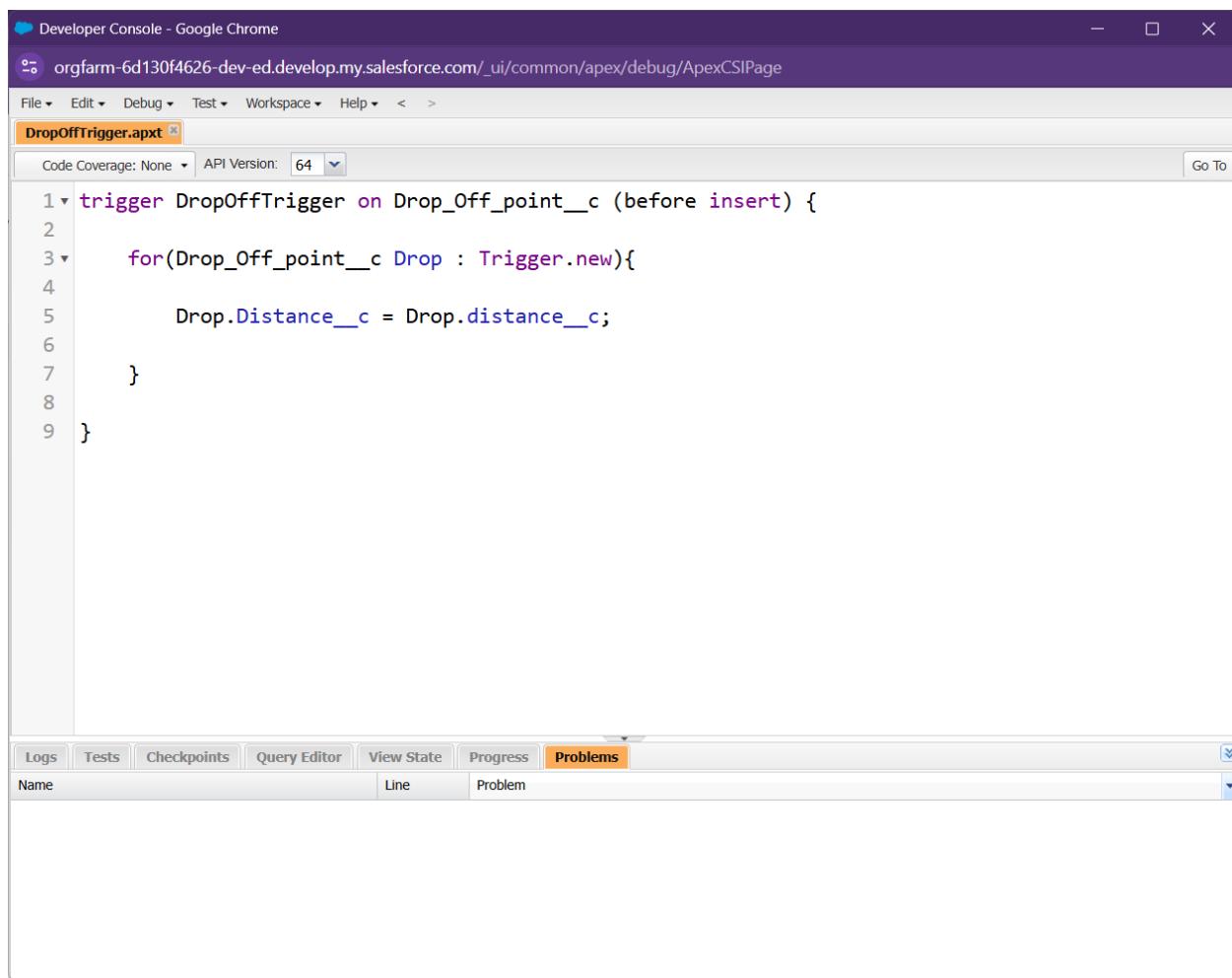
DropOffTrigger.apxt

Code Coverage: None API Version: 64 Go To

```
1 trigger DropOffTrigger on Drop_Off_point__c (before insert) {
2
3     for(Drop_Off_point__c Drop : Trigger.new){
4
5         Drop.Distance__c = Drop.distance__c;
6
7     }
8
9 }
```

Logs Tests Checkpoints Query Editor View State Progress Problems

Name Line Problem



Profiles

Profile Detail

Name	NGOs Profile	Custom Profile	<input checked="" type="checkbox"/>
User License	Salesforce Platform		
Description			
Created By	Madhurasree R. 9/5/2025, 12:03 PM	Modified By	Madhurasree R. 9/5/2025, 12:03 PM

Page Layouts

Standard Object Layouts	Global	Lead
Email Application	Global Layout [View Assignment]	Lead Layout [View Assignment]
Home Page Layout	Home Page Default [View Assignment]	Location Layout [View Assignment]
Account	Account Layout [View Assignment]	Location Group Layout [View Assignment]
Alternative Payment Method	Alternative Payment Method Layout [View Assignment]	Object Milestone Layout [View Assignment]
Appointment Invitation	Appointment Invitation Layout	Operating Hours Operating Hours Layout

Creation of Users

Click on New Users and name it as Iksha Foundation

User Detail

Name	Iksha Foundation Iksha_Foundation	Role	Salesforce Platform
Alias	Iksh	User License	NGOs Profile
Email	iksh1023@gmail.com [Verify]	Profile	<input checked="" type="checkbox"/>
Username	iksha@foundationsb.com	Active	<input checked="" type="checkbox"/>
Nickname	User1757099092192241124	Marketing User	<input type="checkbox"/>
Title		Offline User	<input type="checkbox"/>
Company		Knowledge User	<input type="checkbox"/>
Department		Flow User	<input type="checkbox"/>
Division		Service Cloud User	<input type="checkbox"/>
Address		Site.com Contributor User	<input type="checkbox"/>
Time Zone	(GMT-07:00) Pacific Daylight Time (America/Los_Angeles)	Site.com Publisher User	<input type="checkbox"/>
Locale	English (United States)	WDC User	<input type="checkbox"/>
Language	English	Mobile Push Registrations	<input type="checkbox"/>
Delegated Approver		Data.com User Type	
Manager		Accessibility Mode (Classic Only)	<input type="checkbox"/>
Receive Approval Request Emails	Only if I am an approver	Debug Mode	<input type="checkbox"/>
Federation ID		High-Contrast Palette on Charts	<input type="checkbox"/>
App Registration: One-Time Password Authenticator		Load Lightning Pages While Scrolling	<input checked="" type="checkbox"/>
App Registration: Salesforce Authenticator		Salesforce CRM Content User	<input checked="" type="checkbox"/>
Consent for Data Privacy and Marketing Automation		Disable Salesforce CRM Content Email	<input type="checkbox"/>

Click on New Users and name it as NSS

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

User Detail

Field	Value	Role
Name	NSS NSS	Salesforce Platform
Alias	nsss	Profile
Email	nss@sb.com [Verify] (i)	Active
Username	nss.nss@sb.com	Marketing User
Nickname	User1750995954914065486 (i)	Offline User
Title		Knowledge User
Company		Flow User
Department		Service Cloud User
Division		Site.com Contributor User
Address		Site.com Publisher User
Time Zone	(GMT-07:00) Pacific Daylight Time (America/Los_Angeles)	WDC User
Locale	English (United States)	Mobile Push Registrations
Language	English	Data.com User Type
Delegated Approver	Only if I am an approver	Accessibility Mode (Classic Only)
Manager		Debug Mode
Receive Approval Request Emails	Only if I am an approver	High-Contrast Palette on Charts
Federation ID		Load Lightning Pages While Scrolling
App Registration: One-Time Password Authenticator	(i)	Salesforce CRM Content User

Left Navigation Bar:

- Setup
- Home
- Object Manager
- Users
- Permission Set Groups
- Permission Sets
- Profiles
- Public Groups
- Queues
- Roles
- User Management Settings
- Users** (selected)
- Feature Settings
- Data.com
- Prospector Users

Search Bar: Search Setup

Page Header: Welcome to Salesforce | Home | Salesforce | Users | Salesforce | Drop-Off Point | Sale | Venue Form - V1 | Home | Salesforce

Click on New Users and name it as Street_cause

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

Field	Value
Name	Street_cause Street_cause
Alias	strei
Email	streetcause@sb.com [Verify]
Username	street@causessb.com
Nickname	User1757099629530542807
Title	
Company	
Department	
Division	
Address	
Time Zone	(GMT-07:00) Pacific Daylight Time (America/Los_Angeles)
Locale	English (United States)
Language	English
Delegated Approver	
Manager	
Receive Approval Request Emails	Only if I am an approver
Federation ID	

The 'Role' section shows the user is assigned to the 'Marketing User' role and has the 'Salesforce Platform' user license. Other roles listed are inactive.

Public Groups

Creation of Public Group

Creating Public Groups for Iksha Foundation, NSS, Street_cause.

Public Groups

A public group is a set of users. It can contain individual users, other groups, the users in a particular role or territory, or the users in a role or territory plus all of the users below that role or territory in the hierarchy.

Action	Label	Group Name	Created By	Created Date
Edit Del	Iksha	Iksha	R. Madhurasree	9/5/2025, 12:25 PM
Edit Del	NSS	NSS	R. Madhurasree	9/5/2025, 12:30 PM
Edit Del	Street_cause	Street_cause	R. Madhurasree	9/5/2025, 12:31 PM

Report Types

In Setup type as Report Types and new Reports and label it as Venue with DropOff with volunteer

Venue with DropOff with Volunteer

Below is the information for this custom report type. You can click the buttons on this to preview or update information for the custom report type.

Details

Display Label	Venue with DropOff with Volunteer
API Name	Venue_with_DropOff_with_Volunteer
Description	Venue with DropOff with Volunteer
Created By	Madhurasree R, 06/09/2025, 01:09 am
Store in Category	other
Deployment Status	Deployed
Modified By	Madhurasree R, 06/09/2025, 01:09 am

Object Relationships

Venues (A)
... with or without related records from **Drop-Off Points (B)**

Volunteers (C)
... with or without related records from **Volunteers (C)**

Fields

Report: Venue with DropOff with Volunteer
venue and Drop Off point

Total Records: 0 Total Distance: 0.0000

No Results

No records returned. Try editing report filters.

- Show All venues
- Set the Created Date filter to All Time
- Edit other filters in the filter panel

Row Counts Detail Rows Subtotals Grand Total

In Setup type as Report Types and new Reports and label it as Volunteer With Execution Details and Tasks.

Custom Report Types

Venue with DropOff with Volunteer

Below is the information for this custom report type. You can click the buttons on this to preview or update information for the custom report type

Preview Layout Edit Layout Clone Delete Close

Details	
Display Label	Venue with DropOff with Volunteer
API Name	Venue_with_DropOff_with_Volunteer
Description	Venue with DropOff with Volunteer
Created By	Madhurasree R, 06/09/2025, 01:09 am
Store in Category	other
Deployment Status	Deployed
Modified By	Madhurasree R, 06/09/2025, 01:09 am

Object Relationships	
Venues (A)	... with or without related records from Drop-Off Points (B)
	... with or without related records from Volunteers (C)

A Venn diagram illustrating relationships between Venues (A), Drop-Off Points (B), and Volunteers (C).

In Food Connect App ,Reports Add volunteers with Execution Details and Tasks and the fields volunteer Name, Execution Detail Name, Task Name, Date, Rating.

The screenshot shows a Salesforce Lightning interface with multiple tabs open at the top: 'Student', 'Welcome to Salesforce: Reset your password', 'Volunteer Task | Salesforce', and 'Execution Detail | Salesforce'. The main content area displays a report titled 'Report: Volunteers with Execution Details and Tasks' under the 'Volunteer Task' section. The report table has the following columns: Volunteer ID, Volunteer Name, Execution Detail Name, Task: Task Name, Owner Name, Task: Date, and Task: Rating. It lists two records:

Volunteer ID	Volunteer Name	Execution Detail Name	Task: Task Name	Owner Name	Task: Date	Task: Rating
a03gk000009NB0 (1)	Madhurasree R	Execution	supply food	Madhurasree R	9/7/2025	5
a03gk000009Q7F (1)	Bavani	Giving Food	supply food	Madhurasree R	9/7/2025	5

Below the table, there are subtotal and total rows. At the bottom of the report area, there are checkboxes for Row Counts, Detail Rows, Subtotals, and Grand Total.

Dashboards

Adding venue and Drop Off point Report to the Dashboard

Create New folder Dashboard and name it as Custom Dashboard . Again click on new dashboard and name it as Organization Details.

The screenshot shows the Salesforce Lightning interface with the URL <https://orgfarm-6d130f4626-dev-ed.lightning.force.com/>. The page title is "Organization Details | Salesforce". A modal window titled "Add Widget" is open, showing a preview of a report titled "venue and Drop Off point". The report table has three columns: "Venue Name", "Drop-Off Point Name", and "Distance". It contains two rows: one for "Food" with a distance of "50.0000" and another for "FoodConnect" with a distance of "80.0000". The "Widget Theme" section shows "Dark" selected.

Adding Volunteer Task Report to the Dashboard

Name the Report as Volunteer Task

The screenshot shows the Salesforce Lightning interface with the URL <https://orgfarm-6d130f4626-dev-ed.lightning.force.com/>. The page title is "Organization Details | Salesforce". A modal window titled "Add Widget" is open, showing a preview of a report titled "Volunteer Task". The report is a chart with "Record Count" on the Y-axis and "Volunteer ID" on the X-axis. It shows two data points: one for "a03gL00000BPhal" and another for "a03gL00000BPtx", both with a count of 1. The "Display As" section shows a bar chart icon selected.

After it will look like this,

FoodConnect

Home Venues Tasks Drop-Off Points Execution Details Volunteers Reports Dashboards

Organization Details

+ Widget + Filter Save Done

venue and Drop Off point

Venue Name	Drop-Off point Name	Distance
hungry_food	chennai	450.0000
Nature	Coimbatore	400.0000

View Report (venue and Drop Off point)

Volunteer Task

Record Count

Volunteer ID

a03gl.00000BPl0x

a03gl.00000BPl0x

View Report (Volunteer Task)

Adding a Picture to the Dashboard

We can browse and add the picture by clicking on wedges and image .

The screenshot shows the FoodConnect dashboard interface. At the top, there is a search bar and a navigation menu with links like Home, Venues, Tasks, Drop-Off Points, Execution Details, Volunteers, Reports, and Dashboards. Below the menu, there is a section titled "Organization Details" which includes a table for "venue and Drop Off point". The table has columns for Venue Name, Drop-Off point Name, and Distance, with two rows: one for "hungry_food" (Chennai, 450.0000) and another for "Nature" (Coimbatore, 400.0000). To the right of this table is a "Volunteer Task" chart showing a single record count of 1 for two volunteer IDs. Further to the right is a photograph of people serving food from large containers. A blue dashed border surrounds the photograph, indicating it is a selected or edited element.

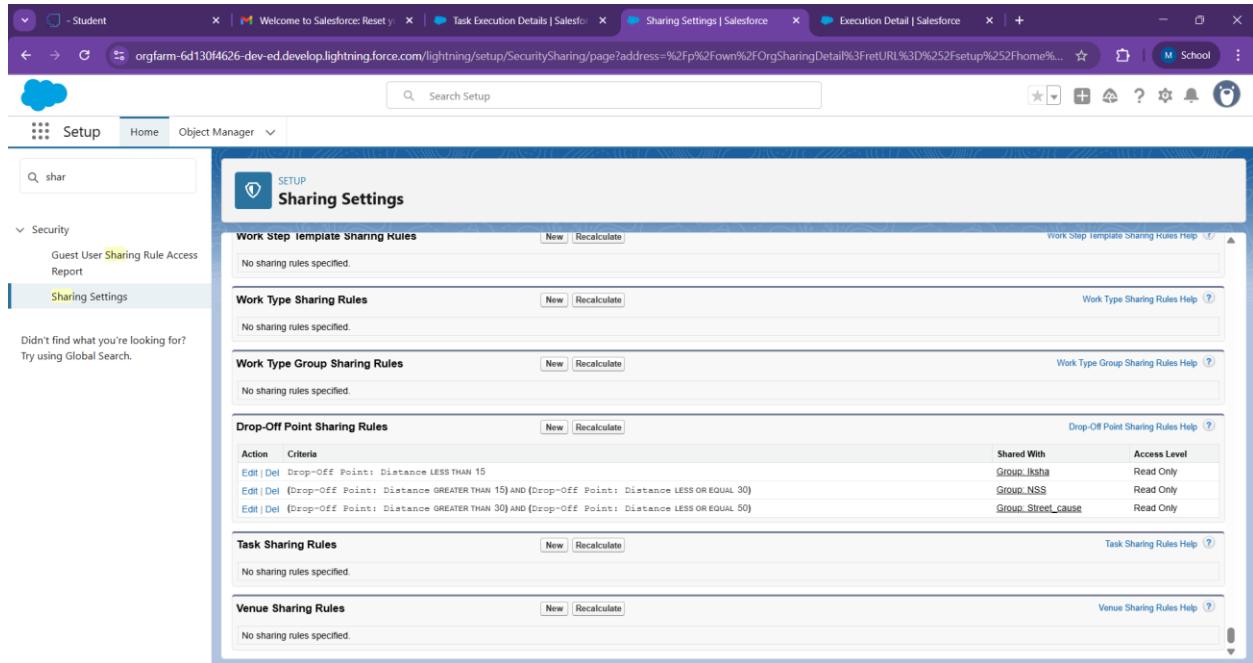
In Dashboard Task Execution Detail ,

The screenshot shows the Task Execution Details dashboard on a Salesforce platform. The browser address bar indicates the URL is orgfarm-6d130f4626-dev-ed.lightning.force.com/lightning//Dashboard/01ZgK000003bdGnUA/view?queryScope=userFolders. The dashboard layout is identical to the one above, featuring a search bar and a navigation menu at the top. Below the menu, there is a "Task Execution Details" section with a "Dashboard" icon. The "venue and Drop Off point" table shows two entries: "Food" (Drop-Off Point Name Food, Distance 50.0000) and "FoodConnect" (Drop-Off Point Name Foodconnect, Distance 80.0000). To the right is the same "Volunteer Task" chart and the photograph of people serving food. The photograph is also surrounded by a blue dashed border, indicating it is a selected or edited element.

Sharing Rules

Creation of sharing rules

Go to setup type Sharing Settings in quick find box and Click on the Sharing Settings. Then Scroll down and find Drop-Off point Sharing Rules. Then ass new Drop-Off Points and Label it as Iksha Foundation, NSS, Street_cause.



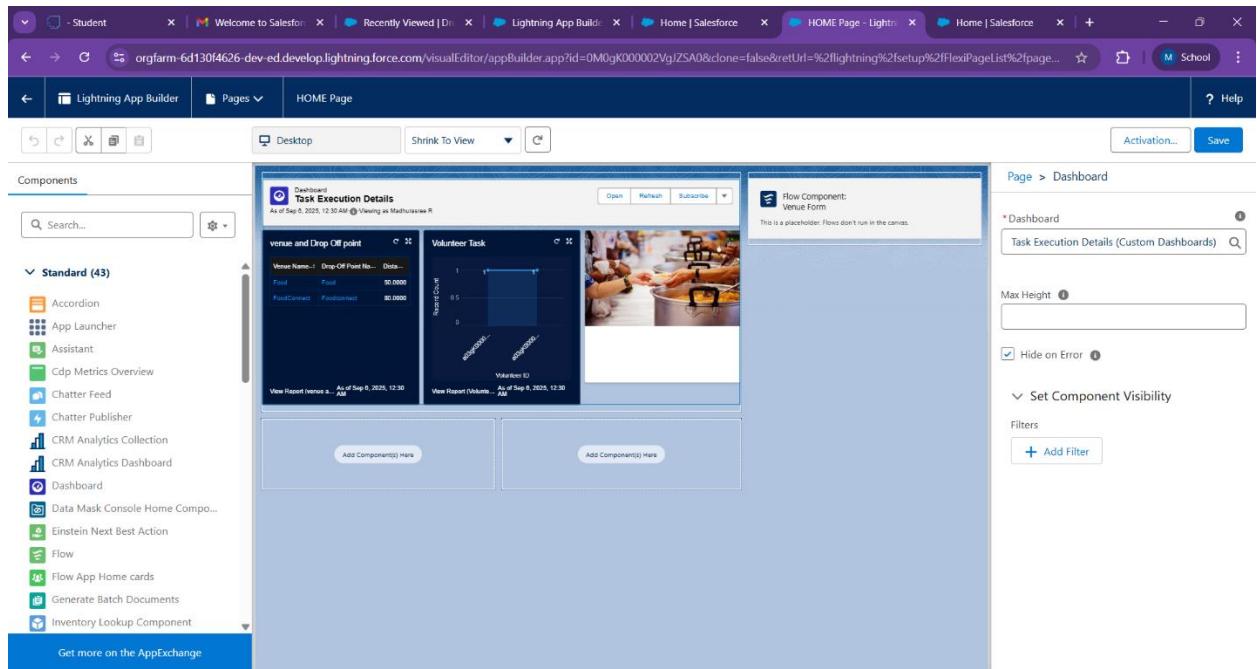
The screenshot shows the Salesforce Sharing Settings page. In the left sidebar, under 'Sharing Settings', the 'Drop-Off Point Sharing Rules' section is selected. The main content area displays a table for Drop-Off Point Sharing Rules:

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

In Lightning App Builder click on New and select Home Page and label it as Home Page. From components ,drag Flow and label it as Venue Flow and again in the components field drag and drop dashboard field and save it and select app defaully , assign as Food Connect App and save it.



RESULT:

And the Result will look like this.

The screenshot shows a Salesforce Lightning page titled "Task Execution Details". The top navigation bar includes tabs for "Home", "Venues", "Tasks", "Volunteers", "Drop-Off Points", "Execution Details", "Reports", and "Dashboards". A search bar is at the top right. The main content area has two sections: "venue and Drop Off point" and "Volunteer Task".

venue and Drop Off point:

Venue Name	Drop Off Point Name	Distance
Food	Food	50.0000
FoodConnect	Foodconnect	80.0000

Volunteer Task:

Record Count: 1

Volunteer ID: a03gK000009NB0 a03gK000009Q7F

View Report (Volunteer Task) As of Sep 6, 2025, 12:30 AM

Venue Form:

This section contains fields for entering venue information:

- Venue Name:
- Email: you@example.com
- Phone:
- Venue Location:
- Latitude:
- Longitude:

A "Next" button is located at the bottom right of the form.

If we add the details in the Venue form then it will be shown in Venues .

The screenshot shows the Salesforce Lightning App Builder interface. The top navigation bar includes tabs for 'Student', 'Welcome to Salesforce', 'Recently Viewed | Dr...', 'Lightning App Builder', 'Recently Viewed | Ven...', 'HOME Page - Lightn...', 'Home | Salesforce', and 'School'. The main area is titled 'FoodConnect' and shows a 'Venues' list. The 'Recently Viewed' filter is selected. The list contains three items: 'srcw Food' (ranked 1), 'FoodConnect' (ranked 2), and 'Food' (ranked 3). A search bar at the top right says 'Search this list...'.

The screenshot shows the Smart Internz platform interface. The top navigation bar includes tabs for 'Student', 'Welcome to Salesforce', 'Home | Salesforce', 'Sharing Settings | Sa...', 'HOME Page - Lightn...', 'Execution Detail | Sa...', 'Flows | Salesforce', and 'School'. The main area is titled 'naanmudhalvan.smartinternz.com/Student/guided_project_workspace/30523'. On the left, a sidebar shows 'Projects' selected. The main workspace displays a 'Guided Project' card with the following details:

- Project Title : To Supply Leftover Food to Poor
- NM Id : CD8930E52D68E87BB7245A5D31EE5AE9
- Industry Mentor(s) Name : No Mentor has been assigned

A circular progress indicator shows '90.00%'. Below the card, there are sections for 'GENERAL INSTRUCTION', 'PROJECT DETAILS' (with a button for 'To Supply Leftover Food To Poor'), 'TASK & PROGRESS', 'MENTOR REVIEW' (with a status of 'INTERMEDIATE'), and 'View Mentor Comments' (0 notifications) and 'View Industry Mentor Comments' (0 notifications). A 'SHOW' link is also present in the general instruction section.

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.

Trigger Code:

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