

PROJECT TITLE :

To Supply Leftover Food To Poor

College Name: Sri Ramakrishna College of Arts & Science for Women

College Code: bru28

TEAM ID: NM2025TMID24178

TEAM MEMBERS:

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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:

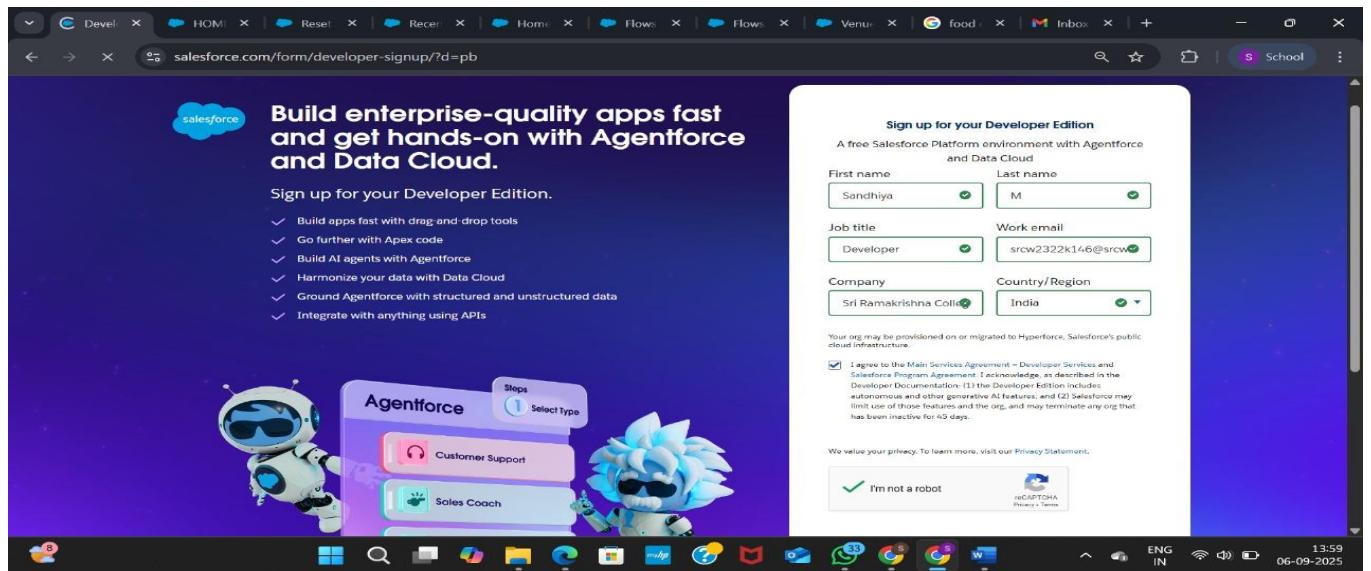
The main objectives of this Salesforce project are:

- 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:

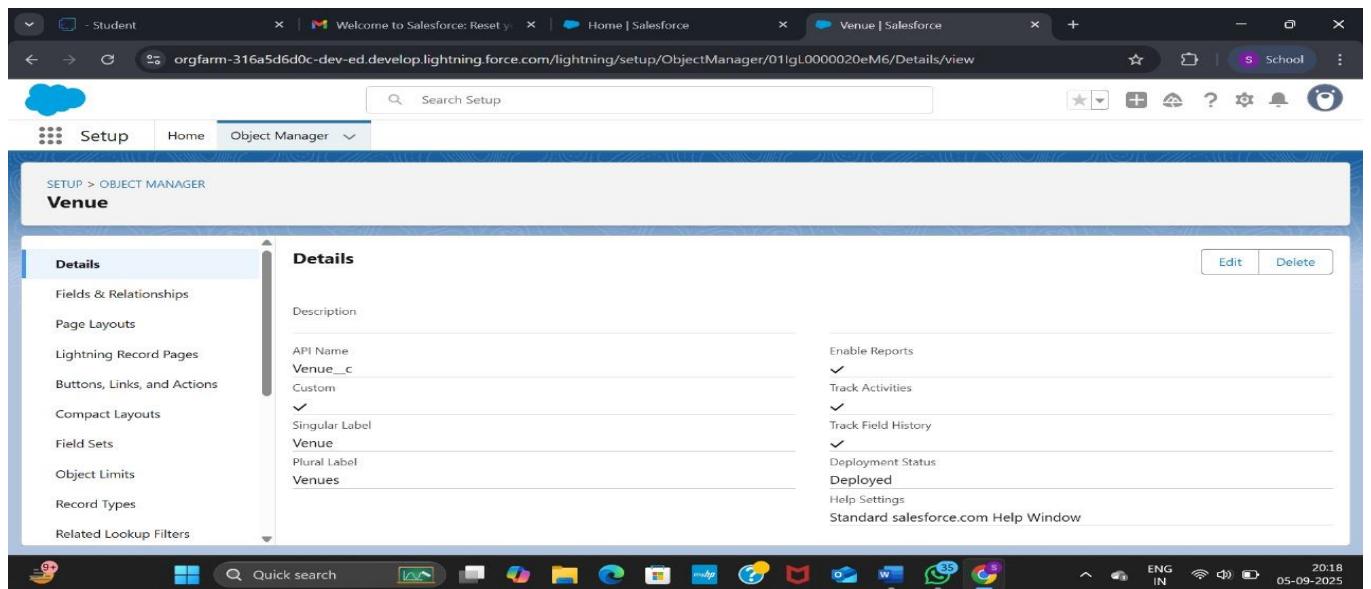
Go to <https://developer.salesforce.com/signup>

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.



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 Setup interface. The top navigation bar includes tabs for 'Student', 'Home | Salesforce', and 'Drop-Off Point | Salesforce'. Below the navigation is a search bar labeled 'Search Setup'. The main content area is titled 'SETUP > OBJECT MANAGER' and shows the 'Drop-Off Point' object details. The 'Details' tab is selected. On the left, a sidebar lists various setup categories: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main 'Details' section shows the following fields:

- Description
- API Name: Drop_Off_Point_c
- Custom: ✓
- Singular Label: Drop-Off Point
- Plural Label: Drop-Off Points
- Enable Reports: ✓
- Track Activities: ✓
- Track Field History: ✓
- Deployment Status: Deployed
- Help Settings: Standard salesforce.com Help Window

At the bottom right of the details section are 'Edit' and 'Delete' buttons. The bottom of the screen shows the Windows taskbar with various pinned icons and the date/time as 05-09-2025 at 20:21.

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 Setup interface. The top navigation bar includes tabs for 'Student', 'Task | Salesforce', and 'Home | Salesforce'. Below the navigation is a search bar labeled 'Search Setup'. The main content area is titled 'SETUP > OBJECT MANAGER' and shows the 'Task' object details. The 'Details' tab is selected. The left sidebar is identical to the previous screenshot, listing Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main 'Details' section shows the following fields:

- 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 details section are 'Edit' and 'Delete' buttons. The bottom of the screen shows the Windows taskbar with various pinned icons and the date/time as 05-09-2025 at 20:22.

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 Setup interface. The top navigation bar includes tabs for 'Student', 'Volunteer | Salesforce', 'Welcome to Salesforce: Reset y...', 'Home | Salesforce', and a search bar labeled 'Search Setup'. Below the navigation is a toolbar with icons for 'New', 'Edit', 'Delete', etc. The main content area is titled 'SETUP > OBJECT MANAGER' and shows a list of objects. The 'Volunteer' object is selected, and its details are displayed on the right. The 'Details' tab is active, showing the following configuration:

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

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. The top navigation bar includes tabs for 'Student', 'Execution Detail | Salesforce', 'Welcome to Salesforce: Reset y...', 'Home | Salesforce', and a search bar labeled 'Search Setup'. Below the navigation is a toolbar with icons for 'New', 'Edit', 'Delete', etc. The main content area is titled 'SETUP > OBJECT MANAGER' and shows a list of objects. The 'Execution Detail' object is selected, and its details are displayed on the right. The 'Details' tab is active, showing the following configuration:

Setting	Value
Description	
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 'Tabs' page selected. The left sidebar shows 'User Interface' and 'Tabs'. The main area displays 'Custom Object Tabs' and 'Web Tabs'. Under 'Custom Object Tabs', there is a table with columns 'Action', 'Label', 'Tab Style', and 'Description'. The table contains the following data:

Action	Label	Tab Style	Description
Edit Del	Drop-Off Points	Cup	
Edit Del	Execution Details	Boat	
Edit Del	Tasks	Alarm clock	
Edit Del	Venues	Headset	
Edit Del	Volunteers	Building	

Under 'Web Tabs', it says 'No Web Tabs have been defined'.

Lightning App:

Creating new lightning app as Food Connect

The screenshot shows the Salesforce Setup interface with the 'New Lightning App' page selected. The left sidebar shows 'Apps'. The main area has sections for 'App Details & Branding' and 'App Details'.

App Details & Branding
Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.

App Details

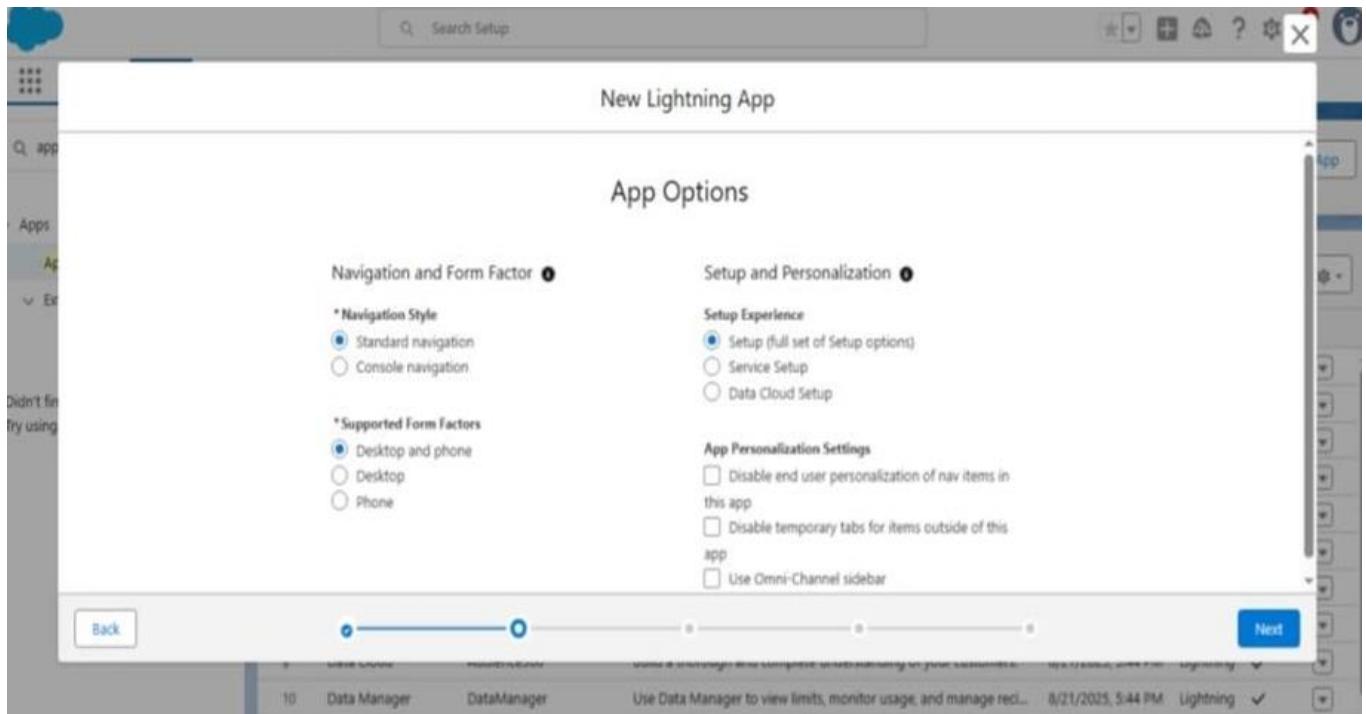
- *App Name: FoodConnect
- *Developer Name: FoodConnect
- Description: Enter a description...

App Branding

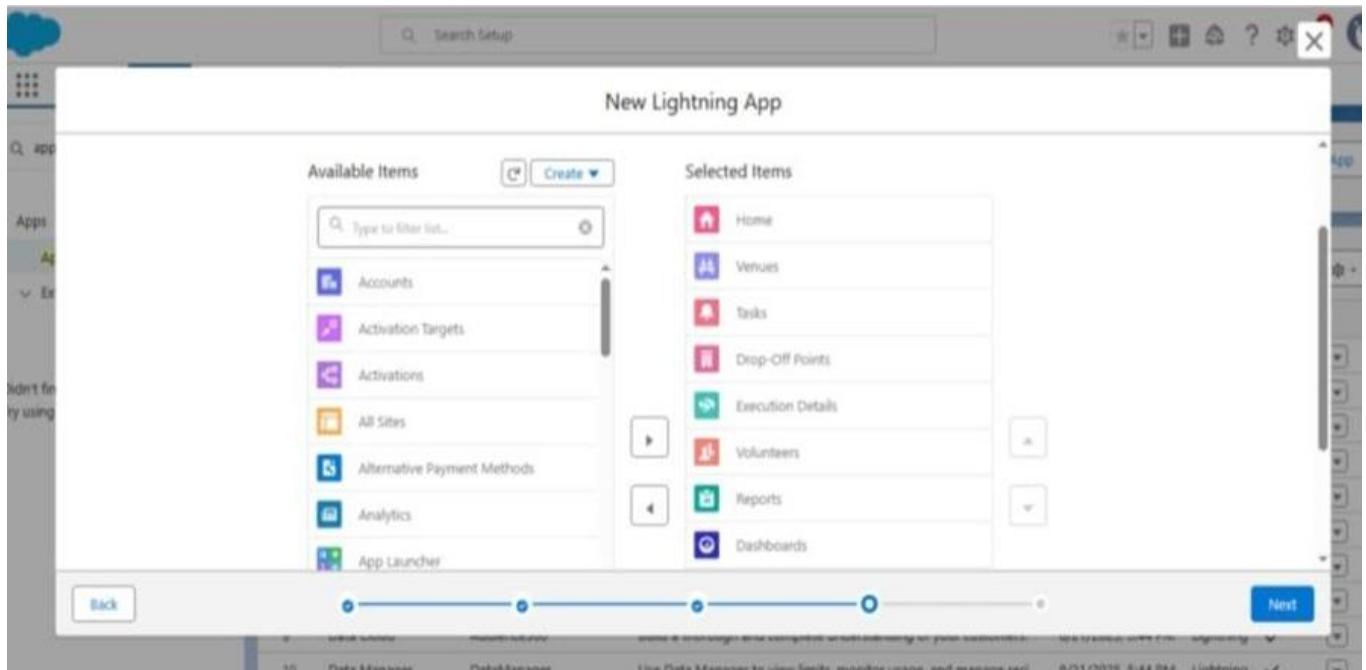
- Image: A logo for 'FOOD CONNECT BY SALESFORCE'.
- Primary Color Hex: #007002

At the bottom right is a 'Next' button.

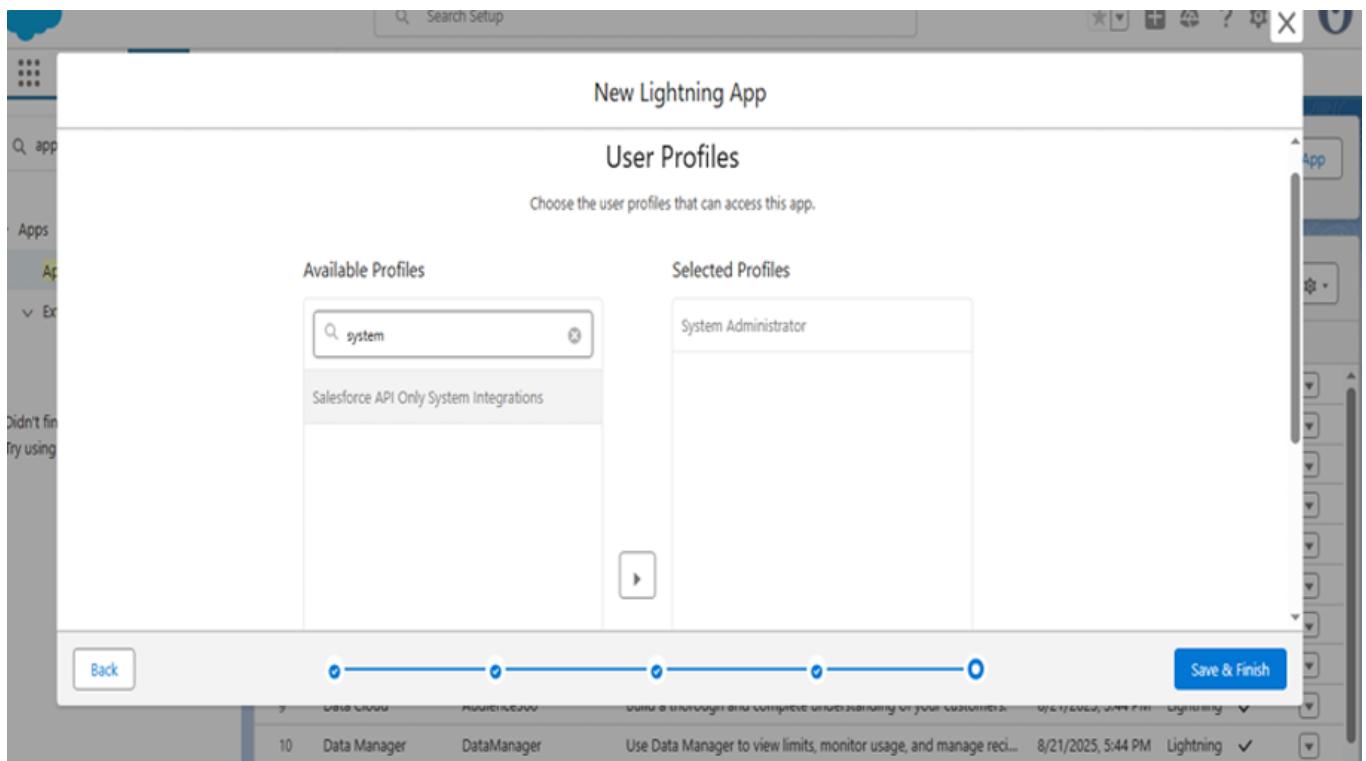
Set Navigation style as Standard navigation



Choose the Items for lightning app from available items



Add System Administrator in Profiles and save



In Lightning App Manager FoodConnect is created

Lightning Experience App Manager						
App Manager		Description			Actions	
App Name ↑	Developer Name	Manage approvals and approval flows			Last Modified Date	App Type
Approvals	Approvals	Approvals	Approvals	Approvals	Approvals	Approvals
Automation	FlowsApp	Automate business processes and repetitive tasks.	8/31/2025, 9:30 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		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	MSIApp	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 application running on a web browser. The top navigation bar includes links for Home, Venues, Tasks, Drop-Off Points, Execution Details, Volunteers, Reports, and Dashboards. A search bar is also present. The main content area features a "Quarterly Performance" chart with a y-axis from 0 to 500K and an x-axis from Aug to Dec. The chart displays three categories: Closed (\$0), Open (>70%) (\$0), and Goal (0%). Below the chart, a message encourages users to add opportunities and view their performance. To the right, an "Assistant" panel is open, showing a cartoon landscape with trees and birds, and a message stating, "Nothing needs your attention right now. Check back later."

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 Object Manager interface. The left sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The main area is titled 'Fields & Relationships' for the 'Volunteer' object. It displays 13 items, sorted by Field Label. One item, 'Drop-Off Point', is highlighted. Its details show it is a Master-Detail relationship with the label 'Drop-Off Point'. The field name is 'Drop_Off_Point_c' and its type is Date. Other fields listed include Date of Birth, Email, Execution ID, Gender, Last Modified By, and Volunteer ID.

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

The screenshot shows the Salesforce Object Manager interface. The left sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The main area is titled 'Fields & Relationships' for the 'Execution Detail' object. It displays 8 items, sorted by Field Label. One item, 'Volunteer', is highlighted. Its details show it is a Master-Detail relationship with the label 'Volunteer'. The field name is 'Volunteer_c' and its type is Master-Detail(Volunteer). Other fields listed include Execution Detail Name, Last Modified By, Owner Name, Task, Task : Rating, Task: Date, and Task.

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

The screenshot shows the Salesforce Setup interface under Object Manager. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main area displays the 'Fields & Relationships' section for the 'Execution Detail' object. A new relationship is being added, named 'Task', which maps to the 'Task' object with a 'Master-Detail(Task)' relationship type.

Execution Detail Name	Name	Type
Last Modified By	LastModifiedById	Lookup(User)
Owner Name	Owner_Name_c	Text(15)
Task	Task__c	Master-Detail(Task)
Task : Rating	Task_Rating__c	Picklist
Task: Date	Task_Date__c	Date
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 under Object Manager. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main area displays the 'Fields & Relationships' section for the 'Drop-Off Point' object. A new relationship is being added, named 'Venue', which maps to the 'Venue' object with a 'Lookup(Venue)' relationship type.

Field Label	Name	Type
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 Lookup Relationship Field on Task Object and name it as Sponsored By and Drop-Off point

SETUP > OBJECT MANAGER
Task

Fields & Relationships
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)		

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.

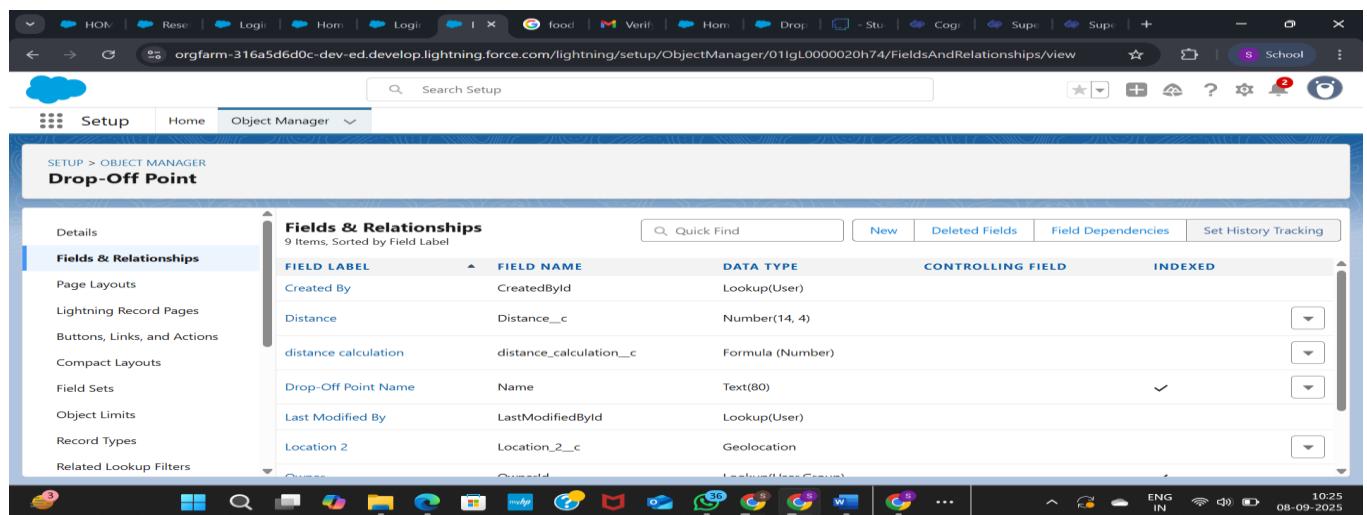
SETUP > OBJECT MANAGER
Venue

Fields & Relationships
8 Items, Sorted by Field Label

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)		✓

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.

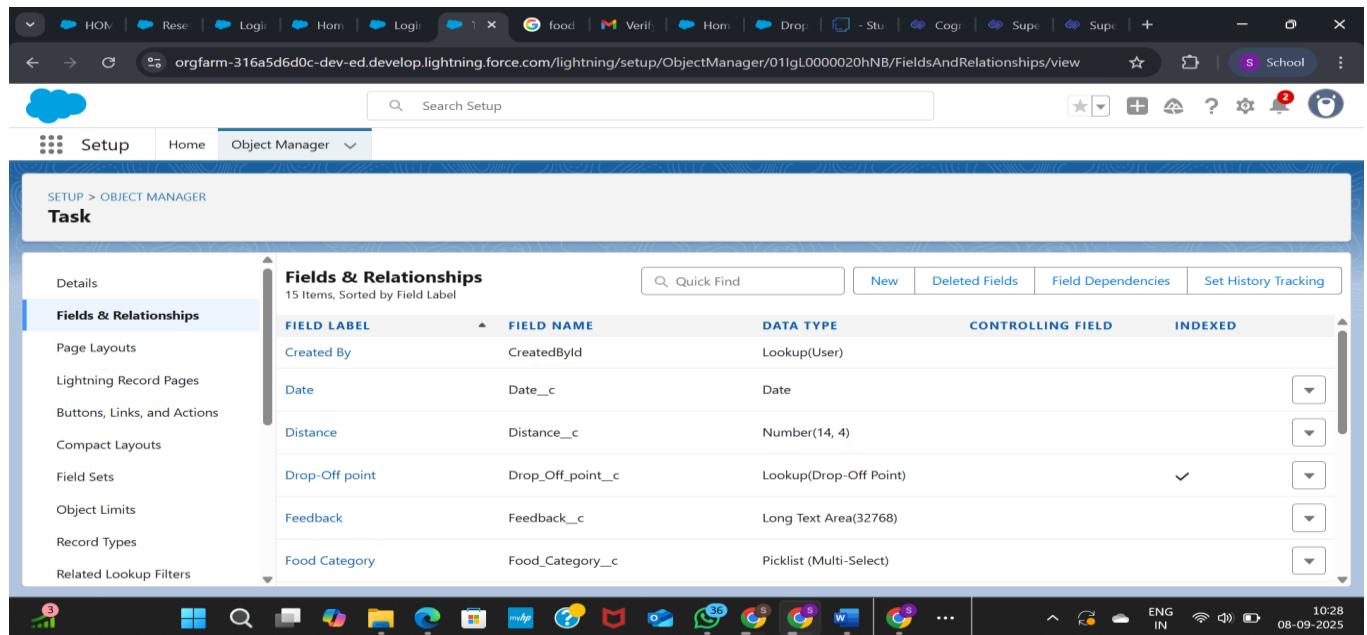


The screenshot shows the Salesforce Object Manager interface for the 'Drop-Off Point' object. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, Buttons, etc. The main area displays the 'Fields & Relationships' section with 9 items. The table includes columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed status. Key fields shown 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)		

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.



The screenshot shows the Salesforce Object Manager interface for the 'Task' object. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, Buttons, etc. The main area displays the 'Fields & Relationships' section with 15 items. The table includes columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed status. Key fields shown are:

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)		

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

- Setup > Object Manager**
- Task**
- Fields & Relationships** tab selected.
- Fields & Relationships** table (15 items):

Field Label	Field 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
Sponsored By	Sponsored_By__c	Lookup(Venue)
Task ID	Task_ID__c	Auto Number
Task Name	Name	Text(80)

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 with the following details:

- Setup > Object Manager**
- Volunteer**
- Fields & Relationships** tab selected.
- Fields & Relationships** table (13 items):

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
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	CreatedById	Lookup(User)		
Date of Birth	Date_of_Birth__c	Date		

The screenshot shows the Salesforce Setup interface with the URL <https://orgfarm-316a5d6d0c-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01lgL0000020hQP/FieldsAndRelationships/view>. The page title is "Volunteer". On the left, there is a sidebar with options like Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled "Fields & Relationships" and lists 13 items, sorted by Field Label. The fields listed are Drop-Off Point, Email, Execution ID, Gender, Last Modified By, Volunteer ID, and Volunteer Name. Each field has its name, label, and type (e.g., Drop-Off Point_c, Master-Detail(Drop-Off Point)). There are also buttons for Quick Find, New, Deleted Fields, Field Dependencies, and Set History Tracking.

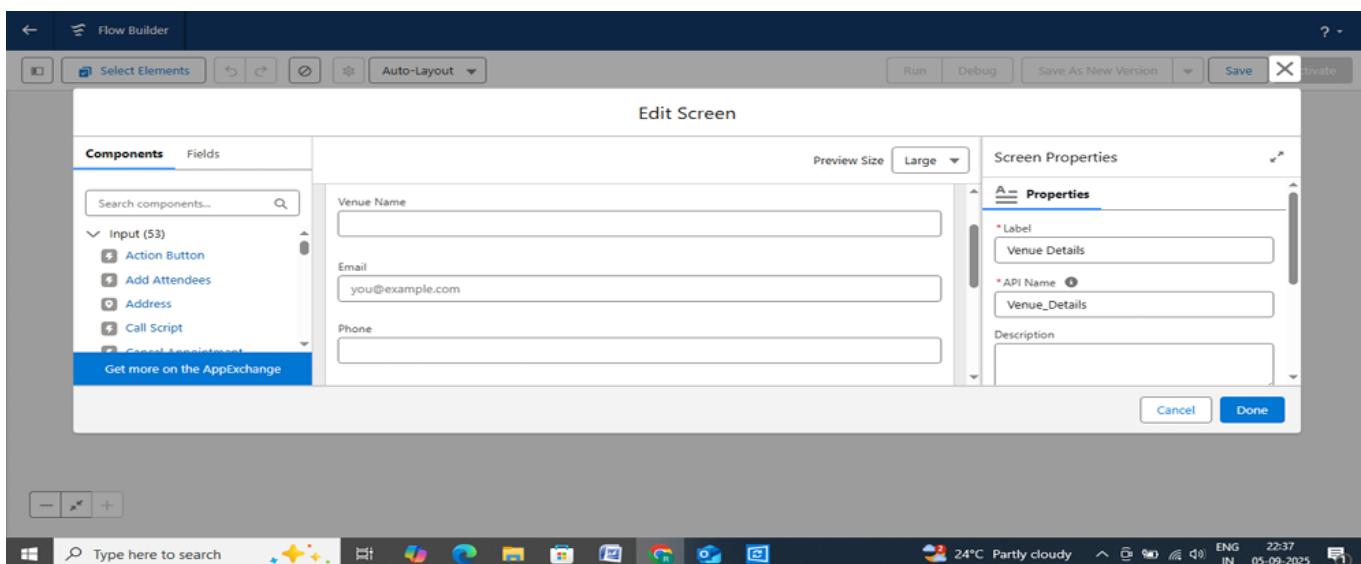
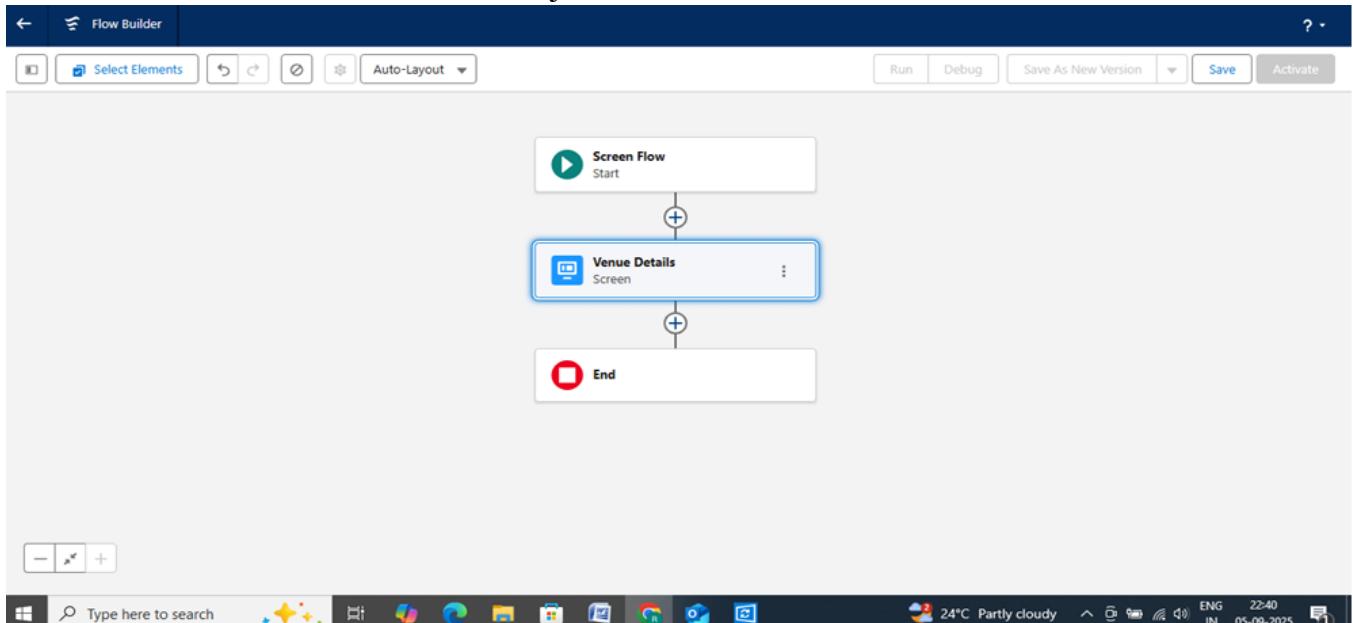
Creation of fields for the Execution Details object

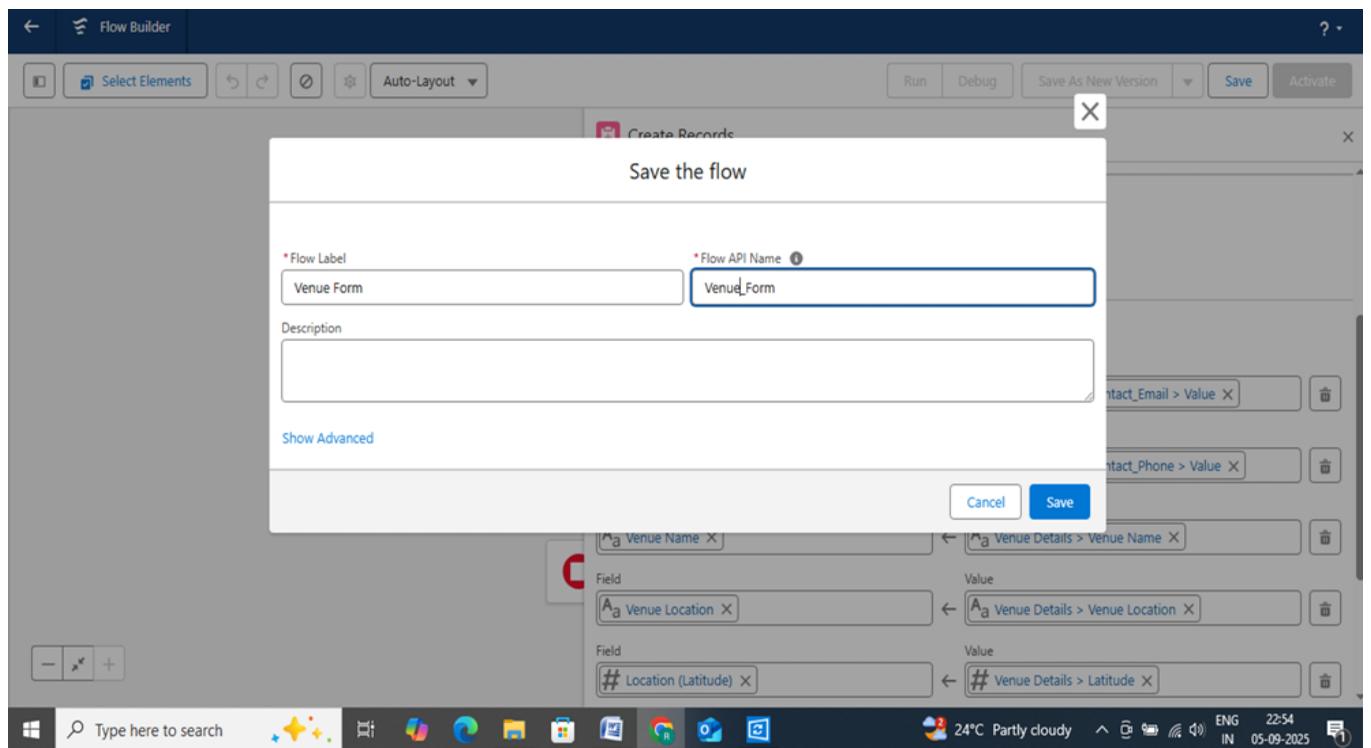
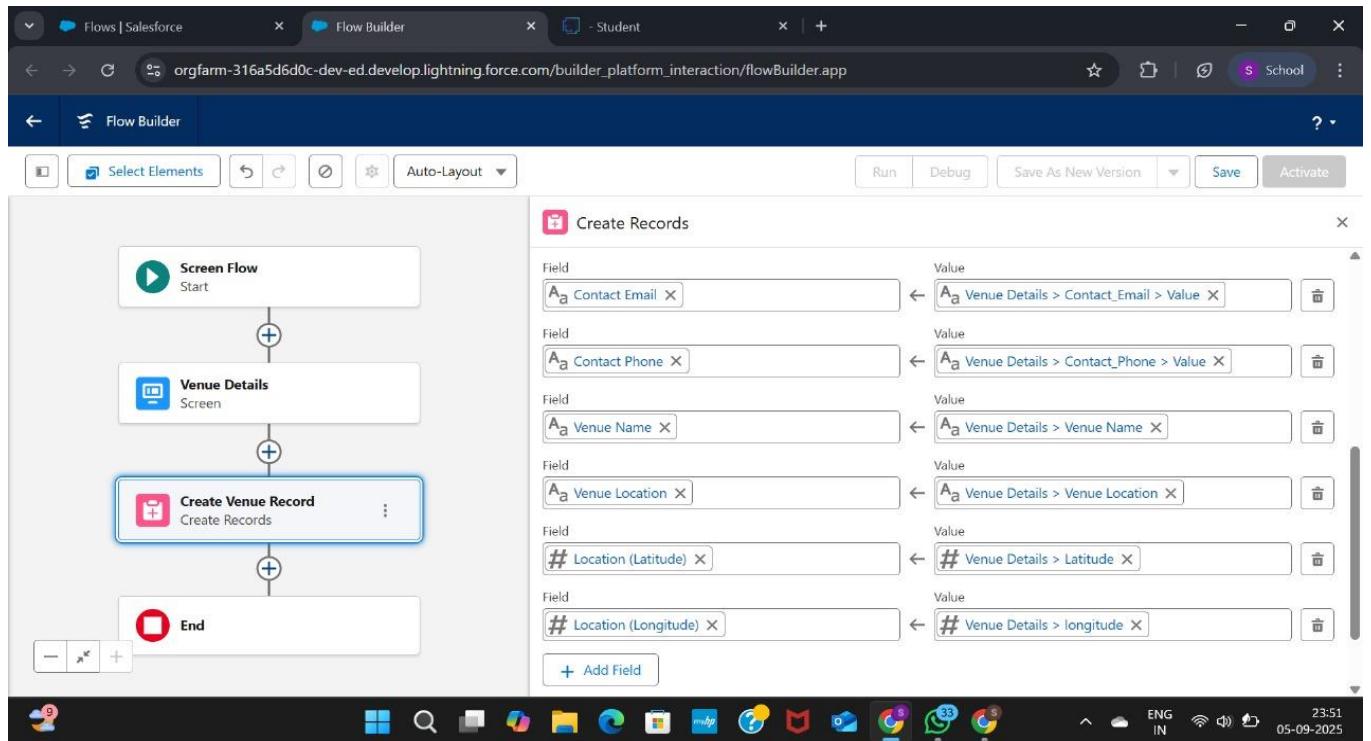
Create new Field & Relationship datatype as Autonumber and label it as Execution ID.

This screenshot is identical to the one above, showing the Salesforce Setup interface for the Volunteer object. The URL is the same: <https://orgfarm-316a5d6d0c-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01lgL0000020hQP/FieldsAndRelationships/view>. The page title is "Volunteer". The sidebar and main content area are identical to the first screenshot, showing the same list of fields and their details.

FLOW :

Create Flow to create a record in Venue object





Trigger: Create a Trigger

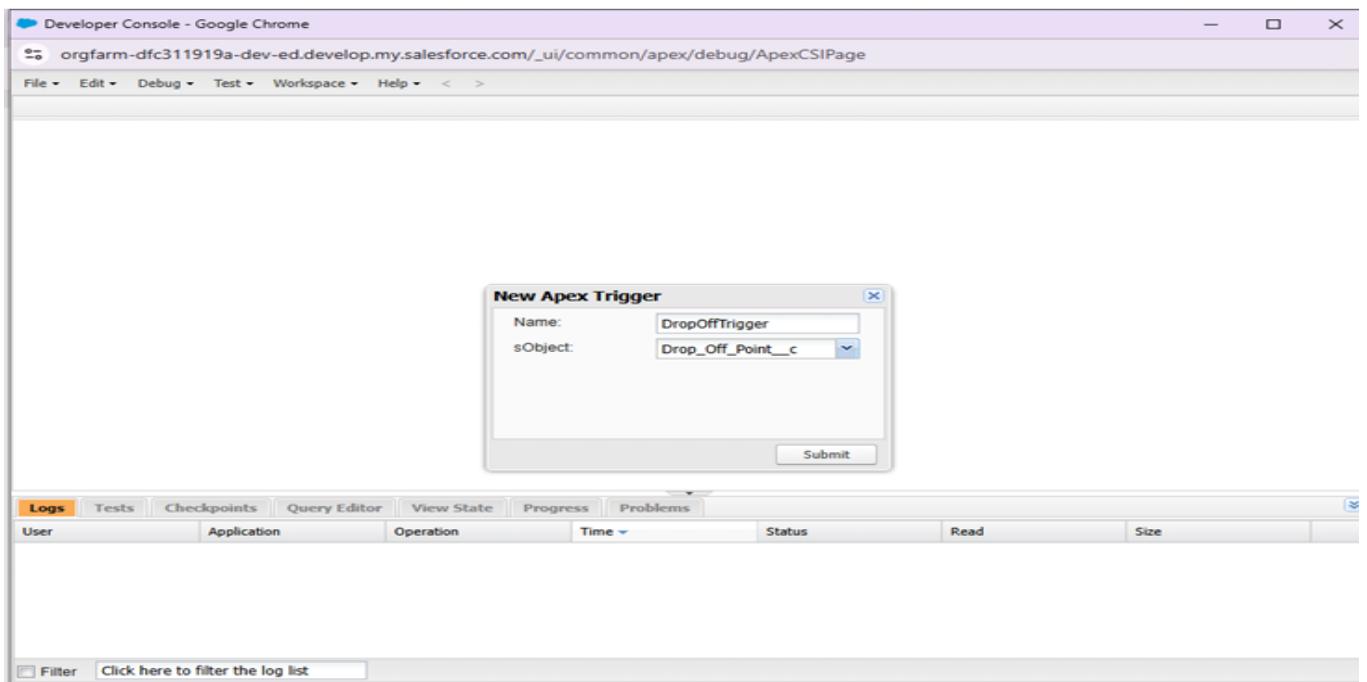
Log into the trailhead account, navigate to the gear icon in the top right corner.

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



```

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_calculation__c;
6
7     }
8
9 }

```

Profiles

SETUP Profiles

NGOs Profile

Profile Detail

	Edit	Clone	Delete	View Users
Name	NGOs Profile			
User License	Salesforce Platform	Custom Profile <input checked="" type="checkbox"/>		
Description				
Created By	Sandhiya.M, 9/5/2025, 11:54 AM	Modified By	Sandhiya.M, 9/5/2025, 11:54 AM	

Page Layouts

	Global	Global Layout	Load	Load Layout
Standard Object Layouts				

Creation of Users

Click on New Users and name it as Iksha Foundation

The screenshot shows the Salesforce Setup interface. On the left, a sidebar menu is open under the 'Users' section, showing options like Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, User Management Settings, and a selected 'Users' option. The main content area is titled 'User' and shows a user record for 'Iksha Foundation Iksha_Foundation'. The 'User Detail' section displays the following information:

Name	Iksha Foundation Iksha_Foundation	Role	Salesforce Platform
Alias	iksh	User License	NGOs Profile
Email	ikshafoundaion@gmail.com [Verify]	Profile	NGOs Profile
Username	ikshaf@foundationsb.com	Active	<input checked="" type="checkbox"/>
Nickname	User17570985136094832907	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"/>

The status bar at the bottom right indicates the date as 06-09-2025 and the time as 00:41.

Click on New Users and name it as NSS

The screenshot shows the Salesforce Setup interface. The sidebar menu is identical to the previous one, with 'Users' selected. The main content area is titled 'User' and shows a user record for 'NSS NSS'. The 'User Detail' section displays the following information:

Name	NSS NSS	Role	Salesforce Platform
Alias	nsss	User License	NGOs Profile
Email	nss@gmail.com [Verify]	Profile	NGOs Profile
Username	nss@nsssb.com	Active	<input checked="" type="checkbox"/>
Nickname	User17570995704739318597	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"/>

The status bar at the bottom right indicates the date as 06-09-2025 and the time as 00:45.

Click on New Users and name it as Street_cause

The screenshot shows the Salesforce Setup interface. On the left, the navigation sidebar is open, showing various categories under 'Users'. The 'Users' category is currently selected. In the main content area, a new user record is being created with the following details:

Name	Street_Cause Street Cause	Role	Salesforce Platform
Alias	ssire	User License	NGOs Profile
Email	streetcause@gmail.com [Verify]	Active	✓
Username	street2cause@sb.com	Marketing User	□
Nickname	User1757099813909472588	Offline User	□
Title		Knowledge User	□
Company		Service Cloud User	□
Department		Site.com Contributor User	□
Division			
Address			

A tooltip at the bottom right of the screen says 'User: Street_Cause Street Cause ~ Salesforce - Developer Edition'. The system status bar at the bottom right shows 'ENG IN' and the date '06-09-2025'.

Public Groups

Creation of Public Group

Creating Public Groups for Iksha Foundation, NSS, Street_cause.

The screenshot shows the Salesforce Setup interface. On the left, the navigation sidebar is open, showing various categories under 'Users'. The 'Public Groups' category is currently selected. In the main content area, a list of public groups is displayed:

Action	Label	Group Name	Created By	Created Date
Edit Del	Iksha	Iksha	M_Sandhiya	9/5/2025, 12:29 PM
Edit Del	NSS	NSS	M_Sandhiya	9/5/2025, 12:30 PM
Edit Del	Street_Cause	Street_Cause	M_Sandhiya	9/5/2025, 12:31 PM

A tooltip at the bottom right of the screen says 'Help for this Page'. The system status bar at the bottom right shows 'ENG IN' and the date '06-09-2025'.

Report Types

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

The screenshot shows the Salesforce Setup interface. On the left, the navigation pane is open with 'Feature Settings' expanded, showing 'Analytics', 'Reports & Dashboards', 'Report Types' (which is selected), 'Reporting Snapshots', 'Reports and Dashboards', and 'Settings'. Under 'Analytics', there are 'Access Policies' and 'Historical Trending'. On the right, a modal window titled 'Custom Report Types' is displayed, showing a success message: 'Report type Venue with DropOff with Volunteer was created.' Below the message, the report type is listed with the name 'Venue with DropOff with Volunteer'. There are buttons for 'Preview Layout', 'Edit Layout', 'Clone', and 'Delete'. A note below the report type says: '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'. Two sections are visible: 'Details' and 'Object Relationships'. The 'Details' section shows 'Display Label' as 'Venue with DropOff with Volunteer', 'API Name' as 'Venue_with_DropOff_with_Volunteer', and 'Description' as 'Venue with DropOff with Volunteer'. The 'Object Relationships' section lists 'Venues (A)' with options for 'with or without related records from Drop-Off Po' and 'with or without related records from Volunteer'. The system status bar at the bottom shows 'ENG IN' and the date '06-09-2025'.

The screenshot shows the FoodConnect report interface. At the top, the navigation bar includes 'Home', 'Venues', 'Tasks', 'Drop-Off Points', 'Execution Details', 'Volunteers', 'Reports' (which is selected), and 'Dashboards'. The report title is 'Report: Venue with DropOff with Volunteer venue and Drop Off point'. It displays 'Total Records' as 0 and 'Total Distance' as 0.0000. Below this is a decorative illustration of a cactus, clouds, and a sun. The main message 'No Results' is centered, followed by the subtext 'No records returned. Try editing report filters.' and a link to 'Show All venues'. At the bottom, there are filter options for 'Row Counts', 'Detail Rows', 'Subtotals', and 'Grand Total'. The system status bar at the bottom shows 'ENG IN' and the date '06-09-2025'.

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

The screenshot shows the Salesforce Setup page under the 'Report Types' section. The report type is titled 'Volunteers with Execution Details and Tasks'. It includes fields for Display Label, API Name, and Description. The 'Object Relationships' section shows a relationship to 'Volunteers (A)' with an optional condition 'with or without related records from Execution Details (B)'. Buttons for Preview Layout, Edit Layout, Clone, Delete, and Close are visible.

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 the Food Connect app's Report Builder. A report titled 'Volunteers with Execution Details and Tasks' is displayed. The report table has columns for Volunteer ID, Volunteer Name, Task: Task Name, Execution Detail Name, Owner Name, Task: Date, and Task : Rating. The data shows two rows: one for Sandhiya (Supply food) and one for Varsini (Foodsupply). The report builder interface includes sections for Fields (Groups, Columns), Filters, and various reporting options like Row Counts, Detail Rows, Subtotals, and Grand Total.

Volunteer ID	Volunteer Name	Task: Task Name	Execution Detail Name	Owner Name	Task: Date	Task : Rating
a03gL00000BSU6T (1)	Sandhiya	Supply food	Supply food	Swetha	9/9/2025	5
a03gL00000BSWN8 (1)	Varsini	Foodsupply	Foodsupply	Swetha	9/10/2025	5
Total (2)						

The screenshot shows a Salesforce report titled "Volunteer Task". The report displays two records:

	Volunteer ID	Volunteer Name	Task: Task Name	Execution Detail Name	Owner Name	Task: Date	Task : Rating
□	a03gL00000BSU6T (1)	Sandhiya	Supply food	Supply food	Swetha	9/9/2025	5
Subtotal							
□	a03gL00000BSWN8 (1)	Varsini	Foodsupply	Foodsupply	Swetha	9/10/2025	5
Subtotal							
Total (2)							

At the bottom of the report, there are buttons for "Row Counts", "Detail Rows", "Subtotals", and "Grand Total". The status bar at the bottom right shows "13:01 IN 08-09-2025".

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 dashboard builder interface. A modal window titled "Add Widget" is open, displaying a report titled "venue and Drop Off point". The report preview shows two rows of data:

Distance	Drop-Off Point Name	Venue Name
488.6800	Chennai	Foodiee
2.4234k	Bangalore	Hungry Food

Below the preview, there is a link "View Report (venue and Drop Off point)". At the bottom of the modal are "Cancel" and "Add" buttons.

Adding Volunteer Task Report to the Dashboard

Name the Report as Volunteer Task

The screenshot shows the FoodConnect dashboard with a modal window titled "Add Widget". Inside the modal, there is a report titled "Volunteer Task". The report has a chart with two data points: "a03gL00000BPnal" and "a03gL00000BPl0x", both with a "Record Count" of 1. The X-axis is labeled "Volunteer ID". The "Display As" section shows various chart icons, and the "X-Axis" is set to "Volunteer ID".

After it will look like this,

The screenshot shows the FoodConnect dashboard with the "Volunteer Task" report added as a widget. The report is displayed as a chart with two data points: "a03gL00000BPnal" and "a03gL00000BPl0x", both with a "Record Count" of 1. The X-axis is labeled "Volunteer ID". The dashboard also includes other widgets such as "venue and Drop Off point" and "Report".

Adding a Picture to the Dashboard

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

The screenshot shows the FoodConnect application's dashboard interface. At the top, there is a navigation bar with links for Home, Venues, Tasks, Drop-Off Points, Execution Details, Volunteers, Reports, and Dashboards. Below the navigation bar are two main sections: 'Organization Details' and 'Volunteer Task'. The 'Organization Details' section contains a table with two rows: one for 'hungry_food' with a distance of 450.0000 and another for 'Coimbatore' with a distance of 400.0000. The 'Volunteer Task' section displays a line chart with a single data point at a record count of 1. The chart includes fields for 'Record Count' (0 to 1), 'Volunteer ID' (a03gL00000BPNal and a03gL00000BPT0x), and 'Volunteer Task'. To the right of these sections is a large image of a person serving food from a large pot to another person. The dashboard is set against a light blue background with a grid pattern.

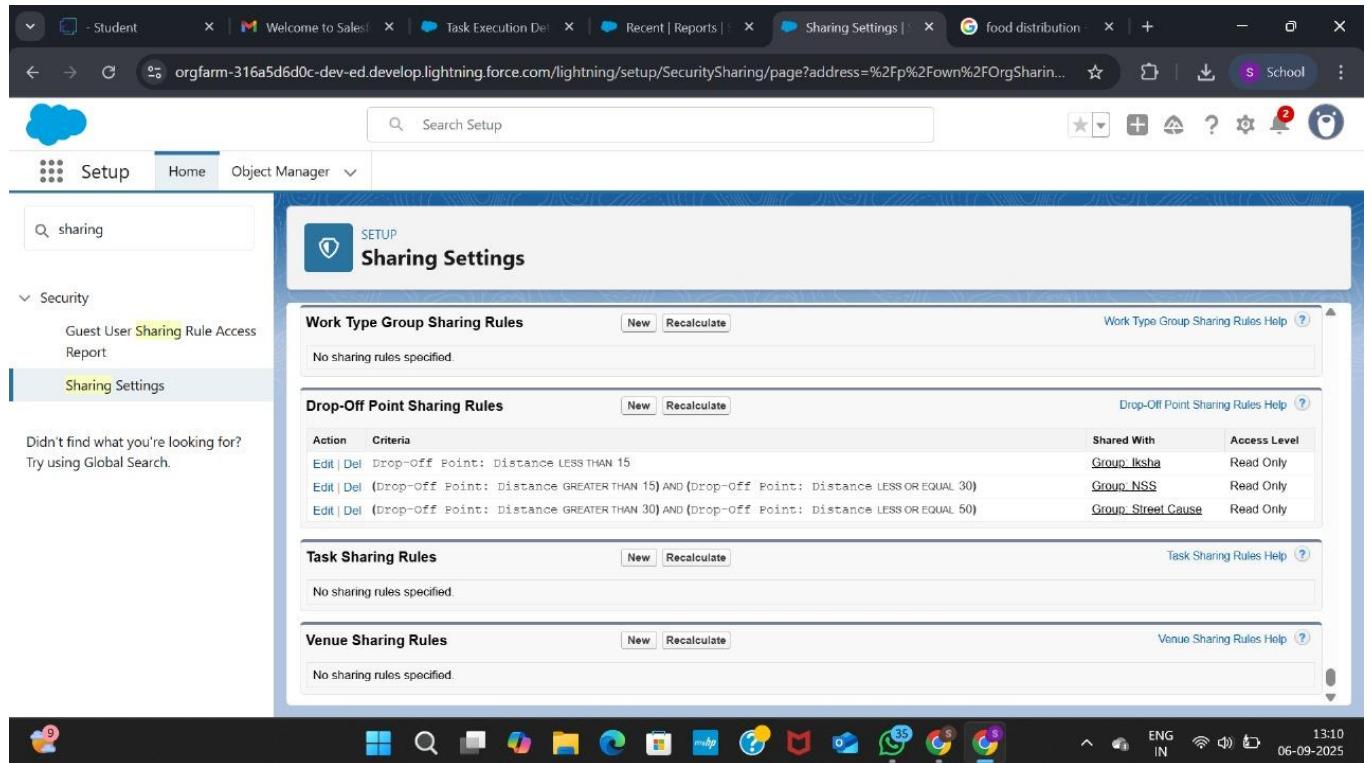
In Dashboard Task Execution Detail ,

This screenshot shows the 'Task Execution Details' dashboard. The top navigation bar is identical to the previous dashboard. The main content area features three sections: 'venue and Drop Off point' (table), 'Volunteer Task' (line chart), and a photo of food distribution. The 'venue and Drop Off point' table shows distances for two locations: Chennai (488.5800) and Bangalore (2.4234k). The 'Volunteer Task' chart shows a single data point at a record count of 1. The chart includes fields for 'Record Count' (0 to 1), 'Volunteer ID' (a03gL00000BSU6T and a03gL00000BSWN8), and 'Volunteer Task'. The dashboard has a light blue header and a white body with a grid pattern.

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.



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 defauly , assign as Food Connect App and save it.

The screenshot shows the Lightning App Builder interface. On the left, there's a sidebar titled "Components" with sections for "Standard (3)" (CRM Analytics Dashboard, Dashboard, LWC CRM Analytics Dashboard), "Custom (0)", and "Custom - Managed (0)". In the center, there's a preview area for a "Task Execution Details" component, which displays data about venues and drop-off points, and a "Volunteer Task" section with a chart and an image of people serving food. To the right, the "Page" tab is selected, showing the "Dashboard" page with a placeholder for a "Flow Component: Venue Form". The top navigation bar includes "Lightning App Builder", "Pages", "HOME Page", "Activation...", and "Save".

RESULT:

And the Result will look like this.

The screenshot shows a web browser displaying the "FoodConnect" dashboard at the URL "orgfarm-316a5f6d0c-dev-ed.lightning.force.com/lightning/page/home". The dashboard features a "Task Execution Details" component with two cards: "venue and Drop Off point" and "Volunteer Task". The "venue and Drop Off point" card shows data for two locations: Chennai (Distance: 488.5800k) and Bangalore (Distance: 2.4234k). The "Volunteer Task" card shows a chart with a single data point and an image of a person serving food. To the right, there is a "Venue Form" sidebar with fields for "Venue Name", "Email" (set to "you@example.com"), "Phone", "Venue Location", "Latitude", and "Longitude". The browser's address bar shows the URL, and the bottom status bar indicates the date and time as "06-09-2025 13:47".

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

The screenshot shows a web browser window with the URL https://orgfarm-316a5d6d0c-dev-ed.lightning.force.com/lightning/o/Venue__c/list?filterName=_Recent. The page title is "Recently Viewed | Venues | Sales". The top navigation bar includes links for Home, Venues, Tasks, Drop-Off Points, Execution Details, Volunteers, Reports, and Dashboards. A search bar at the top right contains the placeholder "Search...". Below the navigation is a toolbar with buttons for New, Import, Change Owner, and Assign Label. The main content area displays a list titled "Recently Viewed" with 3 items, all updated a few seconds ago. The list includes:

	Venue Name	Action
1	SRCW Food	edit
2	Foodiee	edit
3	Hungry Food	edit

The screenshot shows a web browser window with the URL https://naanmudhalvan.smartinternz.com/Student/guided_project_workspace/30748. The page title is "Recently Viewed | Venues | Sales". The top navigation bar includes links for Home, Projects, and Support. A sidebar on the left shows icons for Home, Projects (selected), and Support. The main content area displays a "Guided Project" workspace for a project titled "To Supply Leftover Food to Poor". Key project details shown include:

- Project Title: To Supply Leftover Food to Poor
- NM Id: 0314BDBC3EE499C8104428498772D778
- Industry Mentor(s) Name: No Mentor has been assigned
- Project Progress: 90.00%

Below the project details, there is a "GENERAL INSTRUCTION" section with a "SHOW" button. At the bottom, there are buttons for "Demo Link", "View Mentor Comments" (0), and "View Industry Mentor Comments" (0). The footer of the page shows a taskbar with various application icons and the date/time 08-09-2025.

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;  
    }  
}
```