

Supply Left over Food to the Poor

Project Title:

Supply Leftover Food to the Poor

Objective:

To build a system in Salesforce that tracks leftover food availability, assigns volunteers, and monitors delivery to drop-off points to reduce food wastage and help the underprivileged.

Why This Project?

Every day, tons of edible food are wasted while thousands go hungry. This project was inspired by the idea of bridging this gap using technology. By building a smart food distribution system on Salesforce, we aimed to create an organized network of volunteers and food providers who can work together to reduce wastage and serve the needy.

Key Highlights of the Project

- Designed and implemented a Volunteer Management System
- Created an end-to-end food supply tracking solution
- Built interactive reports and dashboards
- Improved decision-making using real-time insights

1.1. Login to Salesforce

- Go to <https://login.salesforce.com>
- Use your credentials to log in.

1.2. Object

- To Navigate to Setup page:

To create an Venue object:

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

The screenshot shows the Salesforce Object Manager page. At the top, there's a search bar labeled "Search Setup" and various navigation icons. Below the header, the "Object Manager" tab is selected. The main area displays a table of objects with columns: Label, API Name, Type, and Description. A modal window titled "Custom Object" is open, showing a list of custom objects: "Custom Object", "Custom Object from S", and "Custom Object from S".

LABEL	API NAME	TYPE	DESCRIPTION
Account	Account	Standard Object	
Activity	Activity	Standard Object	
Address	Address	Standard Object	
Agent Work	AgentWork	Standard Object	
Alternative Payment Method	AlternativePaymentMethod	Standard Object	
API Anomaly Event Store	ApiAnomalyEventStore	Standard Object	
Appointment Category	AppointmentCategory	Standard Object	

This screenshot shows the same Salesforce Object Manager page as the first one, but with an additional column titled "LAST MODIFIED" added to the right of the "DESCRIPTION" column. The table structure remains the same, listing standard objects like Account, Activity, Address, etc.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED
Account	Account	Standard Object		
Activity	Activity	Standard Object		
Address	Address	Standard Object		
Agent Work	AgentWork	Standard Object		
Alternative Payment Method	AlternativePaymentMethod	Standard Object		
API Anomaly Event Store	ApiAnomalyEventStore	Standard Object		
Appointment Category	AppointmentCategory	Standard Object		

1. Enter the label name >> Venue
2. Plural label name >> Venues
3. Enter Record Name Label and Format
 - Record Name >> Venue Name
 - Data Type >> Text
 - Click on Allow reports and Track Field History, Allow Activities,

Allow search >> Save.

The screenshot shows the Salesforce Object Manager interface. At the top, it says 'SETUP > OBJECT MANAGER'. Below that, the object name 'Venue' is displayed. On the left, there's a sidebar with various tabs: 'Details', 'Fields & Relationships', 'Page Layouts', 'Lightning Record Pages', 'Buttons, Links, and Actions', 'Compact Layouts', 'Field Sets', 'Object Limits', 'Record Types', 'Related Lookup Filters', 'Search Layouts', and 'List View Button Layout'. The 'Details' tab is selected. In the main area, there's a 'Details' section with fields for 'Description' (empty), 'API Name' ('Venue__c'), 'Custom' (checkbox checked), 'Singular Label' ('Venue'), and 'Plural Label' ('Venues'). To the right, there are checkboxes for 'Enable Reports' (checked), 'Track Activities' (checked), 'Track Field History' (checked), 'Deployment Status' (set to 'Deployed'), and 'Help Settings' (set to 'Standard salesforce.com Help Window'). At the bottom right of the main area, there are 'Edit' and 'Delete' buttons.

To create an object:

1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
1. Enter the label name >> Drop-Off Point
2. Plural label name >> Drop-Off Points
3. Enter Record Name Label and Format
 - Record Name >> Drop-Off point Name
 - Data Type >> Text
 - Click on Allow reports and Track Field History, Allow Activities

Allow search >> Save.

The screenshot shows the Salesforce Object Manager interface. At the top, it says "SETUP > OBJECT MANAGER" and "Drop-Off Point". On the left, there's a sidebar with a "Details" tab selected, followed by a list of 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, and List View Button Layout. The main area is titled "Details" and contains 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 various checkboxes for reports and activities. At the bottom right are "Edit" and "Delete" buttons.

Create Task Object

To create an object:

1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
1. Enter the label name>> Task
2. Plural label name>> Tasks
3. Enter Record Name Label and Format
 - Record Name >> Task Name
 - Data Type >> Text
 - Click on Allow reports and Track Field History, Allow Activities Allow search >> Save.

SETUP > OBJECT MANAGER

Task

Details	
Fields & Relationships	Description
Page Layouts	
Lightning Record Pages	API Name <u>Task_c</u>
Buttons, Links, and Actions	Custom ✓
Compact Layouts	Singular Label <u>Task</u>
Field Sets	Plural Label <u>Tasks</u>
Object Limits	Enable Reports ✓
Record Types	Track Activities ✓
Related Lookup Filters	Track Field History ✓
Search Layouts	Deployment Status <u>Deployed</u>
List View Button Layout	Help Settings Standard salesforce.com Help Window

Edit **Delete**

Create Volunteer Object

To create an object:

1. From the setup page >> Click on Object Manager>> Click on Create >> Click on Custom Object.
 1. Enter the label name>> Volunteer
 2. Plural label name>> Volunteers
 3. Enter Record Name Label and Format
 - Record Name >> Volunteer Name
 - Data Type >> Text
 - Click on Allow reports and Track Field History, Allow Activities
- Allow search >> Save.

SETUP > OBJECT MANAGER

Volunteer

Details

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

Create Execution Details Object

To create an object:

1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
 1. Enter the label name >> Execution Detail
 2. Plural label name >> Execution Details
 3. Enter Record Name Label and Format
 - Record Name >> Execution Detail Name
 - Data Type >> Text
 - Click on Allow reports and Track Field History, Allow Activities
- Allow search >> Save.

SETUP > OBJECT MANAGER

Execution Detail

Details
Details

[Edit](#)
[Delete](#)

- 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

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

Creation of Tabs:

Creating a Custom Tab

To create a Tab:(Venue)

1. Go to setup page >> type Tabs in Quick Find bar >> click on tabs >> New (under custom object tab)
2. Select Object (Venue) >> Select the tab style >> Next (Add to profiles page) keep it as default >> Next (Add to Custom App) uncheck the include tab.
3. Make sure that the Append tab to users' existing personal customizations is checked.
4. Click save.

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

- Header:** Search Setup, Setup Home, Object Manager.
- Left Sidebar:** Tabs, User Interface, Rename Tabs and Labels, Tabs (selected).
- Central Content:**
 - Custom Tabs:** A section with a brief description and a "Help for this Page" link.
 - Custom Object Tabs:** A table listing tabs for the "Venues" object:

Action	Label	Tab Style	Description
Edit Del	Drop-Off Points	Bell	
Edit Del	Execution Details	Cup	
Edit Del	Tasks	Bell	
Edit Del	Venues	Bell	
Edit Del	Volunteers	Cup	
 - Web Tabs:** A section stating "No Web Tabs have been defined".

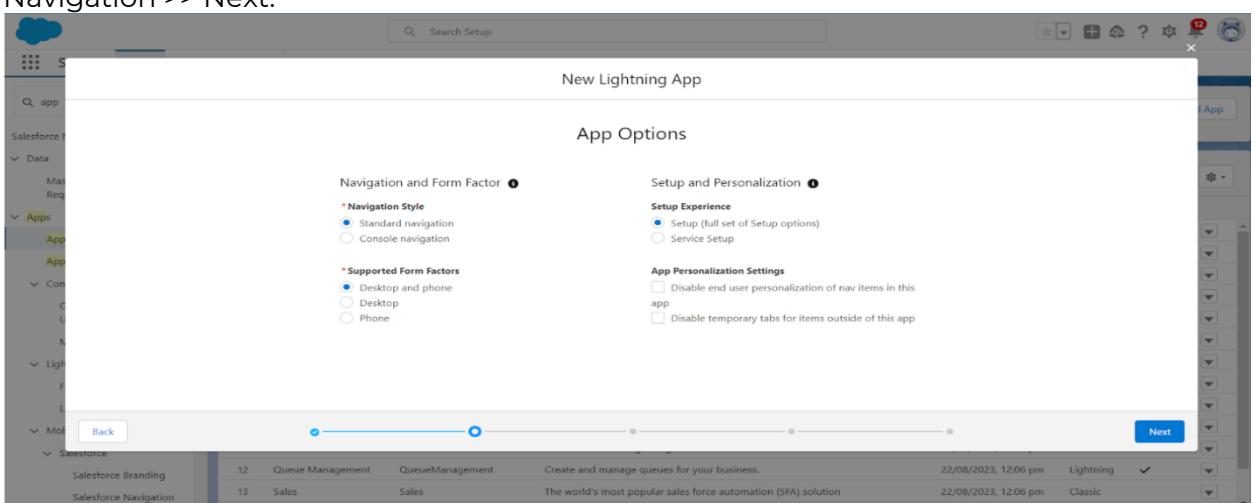
Creating Remaining Tabs:

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

Create a Lightning App

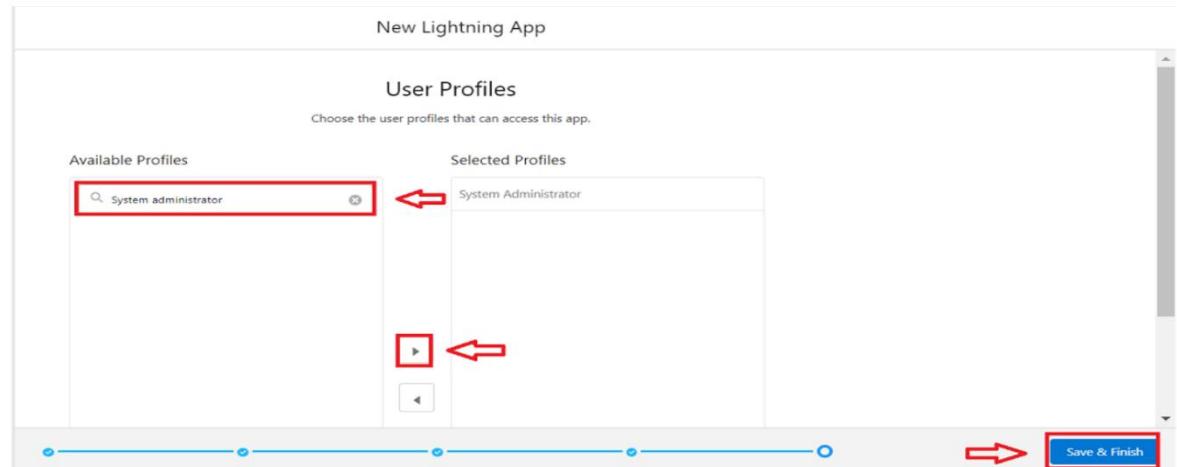
To create a lightning app page:

1. Go to setup page >> search “app manager” in quick find >> select “app manager” >> click on New lightning App.
2. Fill the app name in app details and branding as follow
App Name: Food Connect
Developer Name: This will auto populated
Image: optional (if you want to give any image you can otherwise not mandatory) Primary color hex value: keep this default.
3. Then click Next >> (App option page) Set Navigation Style as Standard Navigation >> Next.



This screenshot shows the 'Available Items' and 'Selected Items' interface. On the left, the 'Available Items' list includes: Accounts, All Sites, Alternative Payment Methods, Analytics, App Launcher, Appointment Categories, Appointment Invitations, Approval Requests, Asset Action Sources, and Asset Actions. On the right, the 'Selected Items' list includes: Home, Venues, Tasks, Drop-Off points, Execution Details, Volunteers, Reports, and Dashboards. Between the two lists are 'Create' and 'Delete' buttons, and arrows for moving items between them.

4. (Utility Items) keep it as default >> Next.
5. To Add Navigation Items:
6. Search for the item in the (Home, Venue, Drop-Off Point, Task, Volunteer, Execution Details, Reports) from the search bar and move it using the arrow button >> Next >> Next.
7. To Add User Profiles:



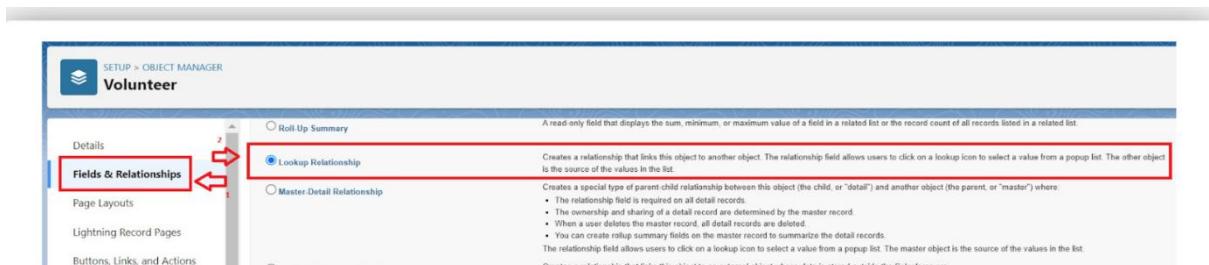
Search profiles (System administrator) in the search bar >> click on the arrow button >> save & finish.

Fields:

Creation of Relationship fields in objects

Creation of Lookup Relationship Field on Volunteer Object:

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



2. Now click on "Fields & Relationships" >> New
3. Select Look up Relationship

- Select the related object “Drop-Off point” and click next.



- Field Name : Drop_Off_point
- Field label : Auto generated
- Next >> Next >> Save.

Creation of Master Detail Relationship Field on Execution Details Object :

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

Now click on “Fields & Relationships” >> New

- Select Master Detail relationship
- Select the related object “Volunteer” and click next.
- Field Name : Volunteer
- Field label : Auto generated
- Next >> Next >> Save.

Creation of Master Detail Relationship Field on Execution Details Object :

- Go to setup >> click on Object Manager >> type object name(Execution Details) in the search bar >> click on the object.
- Now click on “Fields & Relationships” >> New
- Select Master Detail relationship
- Select the related object “Task” and click next.

5.Field Name : Task

6.Field label : Auto generated

7.Next >> Next >> Save.

The screenshot shows the 'Object Manager' interface under 'SETUP'. A custom field 'Task' is being created on the 'Execution Detail' object. The 'Field Information' section shows the field label is 'Task', field name is 'Task', and API name is 'Task__c'. The object name is 'Execution Detail' and the data type is 'Master-Detail'. The 'Master-Detail Options' section shows it is related to 'Task' with a child relationship name 'Execution_Details'. The 'Lookup Options' section shows it is related to 'Venue' with a child relationship name 'Drop_Off_Points'. The 'Validation Rules' section is empty.

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

1.Go to setup >> click on Object Manager >> type object name(Drop-Off Point) in the search bar >> click on the object.

2.Now click on “Fields & Relationships” >> New

3.Select Lookup relationship

4.Select the related object “Venue” and click next.

5.Field Name : Venue

6.Field label : Venue__c

7.Next >> Next >> Save.

The screenshot shows the 'Object Manager' interface under 'SETUP'. A custom field 'Venue__c' is being created on the 'Drop-Off Point' object. The 'Field Information' section shows the field label is 'Venue__c', field name is 'Venue', and API name is 'Venue__c'. The object name is 'Drop-Off Point' and the data type is 'Lookup'. The 'Lookup Options' section shows it is related to 'Venue' with a child relationship name 'Drop_Off_Points'. The 'Validation Rules' section is empty.

Creation of Lookup Relationship Field on Task Object :

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

2.Now click on “Fields & Relationships” >> New

3.Select Lookup relationship

4.Select the related object “Venue” and click next.

5.Field Name : Sponsored By

6.Field label : Auto generated

7.Next >> Next >> Save.

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes 'Setup', 'Home', 'Object Manager', and various global icons. The main title is 'Task'. On the left, a sidebar lists 'Fields & Relationships' under 'SETUP > OBJECT MANAGER'. The main content area displays the 'Task Custom Field Sponsored By' configuration. It includes sections for 'Field Information' (Field Label: Sponsored By, Field Name: Sponsored_By, API Name: Sponsored_By__c), 'Validation Rules' (empty), and 'Lookup Options' (Related To: Venue, Related List Label: Tasks). A note at the bottom says 'What to do if the lookup record is deleted? Clear the value of this field.' The right side of the screen shows standard Salesforce navigation and help icons.

Creation of Lookup Relationship Field on Task Object :

4. Go to setup>> click on Object Manager >> type object name(Task) in the search bar >> click on the object.
5. Now click on “Fields & Relationships” >> New
6. Select Lookup relationship
7. Select the related object “Drop-Off point” and click next.
8. Field Name : Drop-Off point
9. Field label : Auto generated
10. Next >> Next >> Save.

The screenshot shows the Salesforce Setup interface under the Object Manager for the Task object. A custom field named 'Sponsored By' is being created. The 'Field & Relationships' tab is selected. The 'Custom Field Definition Detail' section shows the following details:

- Field Information:**
 - Field Label: Sponsored By
 - Field Name: Sponsored_By
 - API Name: Sponsored_By_c
 - Description: Help Text
 - Data Owner: Field Usage
 - Data Sensitivity Level: Compliance Categorization
 - Created By: Himesree Ankireddy, 7/13/2025, 8:43 AM
 - Modified By: Himesree Ankireddy, 7/13/2025, 8:43 AM
- Lookup Options:**
 - Related To: Venue
 - Related List Label: Tasks
 - Required:
 - Child Relationship Name: Tasks

Creation of fields for the Venue object

1. Go to setup>> click on Object Manager >> type object name(Venue) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Email” and Click on Next
4. Fill the Above as following:
 - Field Label : Contact Email
 - Field Name : Contact Email
 - Click on required check box
 - Click on Next >> Next >> Save and new

The screenshot shows the Salesforce Setup interface under the Object Manager for the Venue object. A custom field named 'Contact Email' is being created. The 'Field & Relationships' tab is selected. The 'Custom Field Definition Detail' section shows the following details:

- Field Information:**
 - Field Label: Contact Email
 - Field Name: Contact_Email
 - API Name: Contact_Email_c
 - Description: Help Text
 - Data Owner: Field Usage
 - Data Sensitivity Level: Compliance Categorization
 - Created By: Himesree Ankireddy, 7/13/2025, 8:46 AM
 - Modified By: Himesree Ankireddy, 7/13/2025, 8:46 AM
- General Options:**
 - Required:
 - Unique:
 - External ID:

To create another fields in an object:

5. Go to setup >> click on Object Manager >> type object name(Venue) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New
7. Select Data type as a “Phone” and Click on Next
8. Fill the Above as following:

- Field Label : Contact Phone
- Field Name : Contact Phone
- Click on required check box
- Click on Next >> Next >> Save and new

Venue Custom Field
Contact Phone

[Back to Venue](#)

[Validation Rules \[0\]](#)

[Edit](#) [Set Field-Level Security](#) [View Field Accessibility](#) [Where is this used?](#)

Custom Field Definition Detail

Field Information

Field Label	Contact Phone	Object Name	Venue
Field Name	Contact_Phone	Data Type	Phone
API Name	Contact_Phone_c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			

Created By: [Himasree Ankireddy](#), 7/13/2025, 8:48 AM Modified By: [Himasree Ankireddy](#), 7/13/2025, 8:48 AM

General Options

Required	<input checked="" type="checkbox"/>
Default Value	.

To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name(Venue) in search bar >>click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Geolocation” and Click on Next
4. Fill the Above as following:
 - Field Label : Location
 - Decimal Places : 4
 - Field Name : Location
 - Description : Enter the Geolocation of your Venue
 - Click on Next >> Next >> Save and new.

Venue Custom Field
Location

[Back to Venue](#)

[Validation Rules \[0\]](#)

[Edit](#) [Set Field-Level Security](#) [View Field Accessibility](#) [Where is this used?](#)

Custom Field Definition Detail

Field Information

Field Label	Location	Object Name	Venue
Field Name	Location	Data Type	Geolocation
API Name	Location_c		
Description	Enter the Geolocation of your Venue		
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			

Created By: [Himasree Ankireddy](#), 7/13/2025, 8:49 AM Modified By: [Himasree Ankireddy](#), 7/13/2025, 8:49 AM

General Options

Required	<input type="checkbox"/>
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Geolocation Options

To create another fields in an object:

9. Go to setup >> click on Object Manager >> type object name(Venue) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New

11. Select Data type as a “Long Text Area” and Click on Next
12. Fill the Above as following:

- Field Label : Venue Location
- Field Name : Venue_Location
- Click on Next >> Next >> Save and new.

The screenshot shows the 'Object Manager' interface for the 'Venue' object. A new custom field named 'Venue Location' is being created. The 'Field Information' section shows the following details:

- Field Label:** Venue Location
- Field Name:** Venue_Location
- API Name:** Venue_Location_c
- Description:** Enter the location of the venue.
- Data Type:** Long Text Area
- Object Name:** Venue
- Created By:** Himasree Anikireddy, 7/13/2025, 8:51 AM
- Modified By:** Himasree Anikireddy, 7/13/2025, 8:51 AM

The 'General Options' section includes a 'Default Value' field. The 'Geolocation Options' section is collapsed.

Creation of fields for the Drop-Off point object

Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.

2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Geolocation” and Click on Next
4. Fill the Above as following:

- Field Label : Location 2
- Field Name : gets auto generated
- Description : Enter the Geolocation of the Drop off Point
- Geolocation Options : select Decimal
- Decimal Places : 4
- Click on Next >> Next >> Save and new.

The screenshot shows the 'Object Manager' interface for the 'Drop-Off Point' object. A new custom field named 'Location 2' is being created. The 'Field Information' section shows the following details:

- Field Label:** Location 2
- Field Name:** Location_2
- API Name:** Location_2_c
- Description:** Enter the Geolocation of the Drop off Point.
- Data Type:** Geolocation
- Object Name:** Drop-Off Point
- Created By:** Himasree Anikireddy, 7/13/2025, 8:56 AM
- Modified By:** Himasree Anikireddy, 7/13/2025, 8:56 AM

The 'General Options' section includes a 'Required' checkbox. The 'Geolocation Options' section is collapsed.

To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Formula” and Click on Next
4. Fill the Above as following:
 - Field Label : distance calculation
 - Field Name : distance_calculation
 - Formula Return Type : Number
 - Formula Options : DISTANCE(Location_2__c , Venue__r.Location__c , 'km')
 - Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Setup interface. The top navigation bar includes a cloud icon, 'Setup', 'Home', and 'Object Manager'. The main title is 'SETUP > OBJECT MANAGER Drop-Off Point'. On the left, a sidebar lists various setup categories like Details, Fields & Relationships (which is selected), Page Layouts, Lightning Record Pages, etc. The main content area displays the 'Custom Field Definition Detail' for a field named 'distance calculation'. The 'Field Information' section shows the field label as 'distance calculation', field name as 'distance_calculation', API name as 'distance_calculation__c', and object name as 'Drop-Off Point'. The 'Formula Options' section shows the formula as 'DISTANCE(Location_2__c, Venue__r.Location__c, 'km')'. The page also includes standard Salesforce navigation icons at the top right.

To create another fields in an object:

5. Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New
7. Select Data type as a “Picklist” and Click on Next
8. Fill the Above as following:
 - Field Label : State
 - Field Name : State
 - Enter values, with each value separated by a new line :

Andhra Pradesh

Arunachal Pradesh

Assam

Bihar

Chhattisgarh

Goa
Gujarat
Haryana
Himachal Pradesh
Jharkhand
Karnataka
Kerala
Maharashtra
Madhya Pradesh
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Tripura
Telangana
Uttar Pradesh
Uttarakhand
West Bengal
Andaman & Nicobar (UT)
Chandigarh (UT)
Dadra & Nagar Haveli and Daman & Diu (UT)

Delhi [National Capital Territory (NCT)]

Jammu & Kashmir (UT)

Ladakh (UT)

Lakshadweep (UT)

Puducherry (UT)

- Click on required check box
- Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Object Manager interface. The left sidebar has a 'Fields & Relationships' section selected. The main area displays a 'Custom Field Definition Detail' for a field named 'State'. The field information includes: Field Label: State, Field Name: State, API Name: State_c, Data Type: Picklist. The 'General Options' section shows 'Required' checked and 'Default Value' set to a blank field. The top right of the page has a 'Help for this Page' link.

To create another fields in an object:

9. Go to setup >> click on Object Manager >> type object name(Drop of point) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New
11. Select Data type as a “Number” and Click on Next
12. Fill the Above as following:

- Field Label : Distance
- Field Name : Distance
- Length : 14
- Decimal Places : 4
- Click on required check box
- Click on Next >> Next >> Save and new.

The screenshot shows the 'Object Manager' interface for the 'Drop-Off Point' object. On the left, a sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The main area is titled 'Drop-Off Point Custom Field Distance'. It shows the 'Custom Field Definition Detail' page with the following details:

- Field Information:**
 - Field Label: Distance
 - Field Name: Distance
 - API Name: Distance__c
 - Description: Help Text
 - Data Owner: Field Usage
 - Data Sensitivity Level: Compliance Categorization
- General Options:**
 - Required:
 - Unique:
 - External ID:
- Validation Rules (0):** None listed.
- Object Name:** Drop-Off Point
- Data Type:** Number
- Created By:** Himesree Ankireddy, 7/13/2025, 9:07 AM
- Modified By:** Himesree Ankireddy, 7/13/2025, 9:07 AM

Creation of fields for the Task object

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

2. Now click on “Fields & Relationships” >> New

3. Select Data type as a “Auto Number” and Click on Next

4. Fill the Above as following:

- Field Label : Task ID
- Display Format : TASK-[0]
- Starting Number : 1
- Field Name : gets auto generated
- Click on Next >> Next >> Save and new.

The screenshot shows the 'Object Manager' interface for the 'Task' object. The left sidebar includes options like Details, Fields & Relationships, Page Layouts, etc. The main area is titled 'Task Custom Field Task ID'. It shows the 'Custom Field Definition Detail' page with the following details:

- Field Information:**
 - Field Label: Task ID
 - Field Name: Task_ID
 - API Name: Task_ID__c
 - Description: Help Text
 - Data Owner: Field Usage
 - Data Sensitivity Level: Compliance Categorization
- General Options:**
 - External ID:
- Auto Number Options:** None listed.
- Object Name:** Task
- Data Type:** Auto Number
- Created By:** Himesree Ankireddy, 7/14/2025, 8:43 AM
- Modified By:** Himesree Ankireddy, 7/14/2025, 8:43 AM

To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Date” and Click on Next
4. Fill the Above as following:

- Field Label : Date
- Field Name : Date
- Click on required check box
- Click on Next >> Next >> Save and new.

The screenshot shows the 'Custom Field Definition Detail' page for a custom field named 'Date'. The field is defined for the 'Task' object. Key details include:

- Field Information:**
 - Field Label: Date
 - Field Name: Date
 - API Name: Date__c
 - Description: (empty)
 - Help Text: (empty)
 - Data Owner: (empty)
 - Field Usage: (empty)
 - Data Sensitivity Level: (empty)
 - Compliance Categorization: (empty)
- General Options:**
 - Required:
 - Default Value: (empty)

To create another fields in an object:

5. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New
7. Select Data type as a “Picklist (Multi-Select)” and Click on Next
8. Fill the Above as following:

- Field Label : Food Category
- Field Name : Food Category
- Enter values, with each value separated by a new line :

Veg

Non-Veg

Salad

Snack

- Click on required check box
- Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Object Manager interface for the 'Task' object. A custom field named 'Food Category' is being created. The field is of type 'Picklist (Multi-Select)' with values 'Food', 'Category', and 'C'. The 'Required' checkbox is checked. Other field details like Field Label, API Name, and Description are also visible.

To create another fields in an object:

9. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New
11. Select Data type as a “Number” and Click on Next
12. Fill the Above as following:
 - Field Label : Number of People Served
 - Field Name : Number_of_People_Served
 - Click on required check box
 - Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Object Manager interface for the 'Task' object. A custom field named 'Number of People Served' is being created. The field is of type 'Number' and is required. Other field details like Field Label, API Name, and Description are also visible.

To create another fields in an object:

13. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
14. Now click on “Fields & Relationships” >> New
15. Select Data type as a “Text” and Click on Next
16. Fill the Above as following:
 - Field Label : Name of the Person
 - Field Name : Name_of_the_Person
 - Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Object Manager interface for the 'Task' object. On the left, a sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, and Lightning Record Pages. The main area displays a 'Custom Field Definition Detail' for a field named 'Name of the Person'. The 'Field Information' section shows the field label 'Name of the Person', field name 'Name_of_the_Person', API name 'Name_of_the_Person_c', and data type 'Text'. The 'General Options' section includes fields for 'Required' (unchecked), 'Unique' (unchecked), and 'Case Sensitive' (unchecked). A note at the bottom states 'Task Custom Field: Name of the Person - Salesforce - Developer Edition'.

To create another fields in an object:

17. Go to setup>> click on Object Manager >> type object name(Task) in search bar >> click on the object.
18. Now click on “Fields & Relationships” >> New
19. Select Data type as a “Phone” and Click on Next
20. Fill the Above as following:
 - Field Label : Phone
 - Field Name : Phone
 - Click on Next >> Next>> Save and new.

This screenshot shows the continuation of creating a custom field 'Phone' on the Task object. The 'Field Information' section now lists the field label 'Phone', field name 'Phone', API name 'Phone_c', and data type 'Phone'. The 'General Options' section includes fields for 'Required' (unchecked) and 'Default Value' (empty). A note at the bottom states 'Task Custom Field: Phone - Salesforce - Developer Edition'.

To create another fields in an object:

21. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
22. Now click on “Fields & Relationships” >> New
23. Select Data type as a “Pick List” and Click on Next
24. Fill the Above as following:
 - Field Label : Rating
 - Field Name : Rating
 - Enter values, with each value separated by a new line :

- 1
- 2
- 3
- 4
- 5

The screenshot shows the Salesforce setup interface for creating a custom field. The top navigation bar says "SETUP > OBJECT MANAGER". The left sidebar has a "Fields & Relationships" section selected. The main area is titled "Task Custom Field Rating" with a "Back to Task" link. The "Custom Field Definition Detail" section includes tabs for "Edit", "Set Field-Level Security", "View Field Accessibility", and "Where is this used?". Under "Field Information", the field is named "Rating" with API name "Rating__c". It has "Object Name" set to "Task" and "Data Type" set to "Picklist". Other details like Description, Help Text, Data Owner, and Field Usage are listed. Under "General Options", it shows "Required" is checked and "Default Value" is empty. A note at the bottom says "List View Button Layout".

Click on Next >> Next >> Save and new.

To create another fields in an object:

25. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
 26. Now click on “Fields & Relationships” >> New
 27. Select Data type as a “Long Text Area” and Click on Next
 28. Fill the Above as following:
- Field Label : Feedback
 - Field Name : Feedback
 - Click on Next >> Next >> Save and new.

This screenshot shows the continuation of creating a custom field for the Task object. The "Field Information" section for "Feedback" shows the field label is "Feedback", field name is "Feedback", and API name is "Feedback__c". The "Data Type" is set to "Long Text Area". Other field details like Description, Help Text, Data Owner, and Field Usage are present. Under "General Options", "Default Value" is listed. At the bottom, "Long Text Area Options" show "# Visible Lines" as 3 and "Length" as 32,768.

Creation of fields for the Volunteer object

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

2. Now click on “Fields & Relationships” >> New

3. Select Data type as a “Auto Number” and Click on Next

4. Fill the Above as following:

- Field Label : Volunteer ID
- Field Name : gets auto generated
- Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Object Manager interface for the 'Volunteer' object. On the left, a sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The 'Fields & Relationships' option is selected. In the main area, a 'Custom Field Definition Detail' page is displayed for a field named 'Volunteer ID'. The 'Field Information' section shows the following details:
Field Label: Volunteer ID
Field Name: Volunteer_ID
API Name: Volunteer_ID_c
Description: (empty)
Help Text: (empty)
Data Owner: (empty)
Field Usage: (empty)
Data Sensitivity Level: (empty)
Compliance Categorization: (empty)
Created By: Himesree Ankireddy, 7/14/2025, 8:48 AM
Modified By: Himesree Ankireddy, 7/14/2025, 8:48 AM
Object Name: Volunteer
Data Type: Auto Number

To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Picklist” and Click on Next
4. Fill the Above as following:

- Field Label : Gender
- Field Name : Gender
- Enter values, with each value separated by a new line :
- Female
- Male

SETUP > OBJECT MANAGER
Volunteer

Details
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

Custom Field Definition Detail
Edit Set Field-Level Security View Field Accessibility Where is this used?

Field Information

Field Label	Gender	Object Name	Volunteer
Field Name	Gender	Data Type	Picklist
API Name	Gender__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Himasree Ankireddy, 7/13/2025, 9:45 AM	Modified By	Himasree Ankireddy, 7/13/2025, 9:45 AM

General Options

Required	<input checked="" type="checkbox"/>
Default Value	<input type="text"/>

Picklist Options

- Click on Next >> Next >> Save and new.

To create another fields in an object:

5. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
 6. Now click on “Fields & Relationships” >> New
 7. Select Data type as a “Date” and Click on Next
 8. Fill the Above as following:
- Field Label : Available On
 - Field Name : Available On
 - Click on required check box

SETUP > OBJECT MANAGER
Volunteer

Available On

Custom Field Definition Detail
Edit Set Field-Level Security View Field Accessibility Where is this used?

Field Information

Field Label	Available On	Object Name	Volunteer
Field Name	Available_On	Data Type	Date
API Name	Available_On__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Himasree Ankireddy, 7/13/2025, 9:49 AM	Modified By	Himasree Ankireddy, 7/13/2025, 9:49 AM

General Options

Required	<input checked="" type="checkbox"/>
Default Value	<input type="text"/>

- Click on Next >> Next >> Save and new.

To create another fields in an object:

9. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New
11. Select Data type as a “Number” and Click on Next
12. Fill the Above as following:

- Field Label : Age
- Field Name : Age
- Click on required check box

The screenshot shows the Salesforce Object Manager interface. On the left, there's a sidebar with various setup options like Details, Fields & Relationships (which is selected), Page Layouts, Lightning Record Pages, etc. The main area is titled 'Volunteer Custom Field' and shows a single field named 'Age'. The 'Field Information' section includes fields for Field Label (Age), Field Name (Age__c), API Name (Age__c), Description, Help Text, Data Owner, Field Usage, Data Sensitivity Level, and Compliance Categorization. The 'General Options' section includes checkboxes for Required (checked), Unique, and External in. At the bottom, it shows the field was created by 'Himasree Ankireddy' on 7/13/2025 at 9:50 AM and modified by the same user on the same date and time.

- Click on Next >> Next>> Save and new.

To create another fields in an object:

13. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
14. Now click on “Fields & Relationships” >> New
15. Select Data type as a “Email” and Click on Next
16. Fill the Above as following:

- Field Label : Email
- Field Name : Email
- Click on required check box

SETUP > OBJECT MANAGER
Volunteer

Fields & Relationships

Custom Field Definition Detail

Field Information

Field Label	Email	Object Name	Volunteer
Field Name	Email	Data Type	Email
API Name	Email__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			

Created By: Himesree Ankireddy, 7/13/2025, 9:52 AM Modified By: Himesree Ankireddy, 7/13/2025, 9:52 AM

General Options

Required	<input checked="" type="checkbox"/>
Unique	<input type="checkbox"/>
External ID	<input type="checkbox"/>

- Click on Next>> Next >> Save and new.

To create another fields in an object:

17. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
18. Now click on “Fields & Relationships” >> New
19. Select Data type as a “Number” and Click on Next
20. Fill the Above as following:

- Field Label : Contact Number
- Field Name : Contact_Number
- Click on required check box

SETUP > OBJECT MANAGER
Volunteer

Fields & Relationships

Custom Field Definition Detail

Field Information

Field Label	Contact Number	Object Name	Volunteer
Field Name	Contact_Number	Data Type	Number
API Name	Contact_Number__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			

Created By: Himesree Ankireddy, 7/13/2025, 9:53 AM Modified By: Himesree Ankireddy, 7/13/2025, 9:53 AM

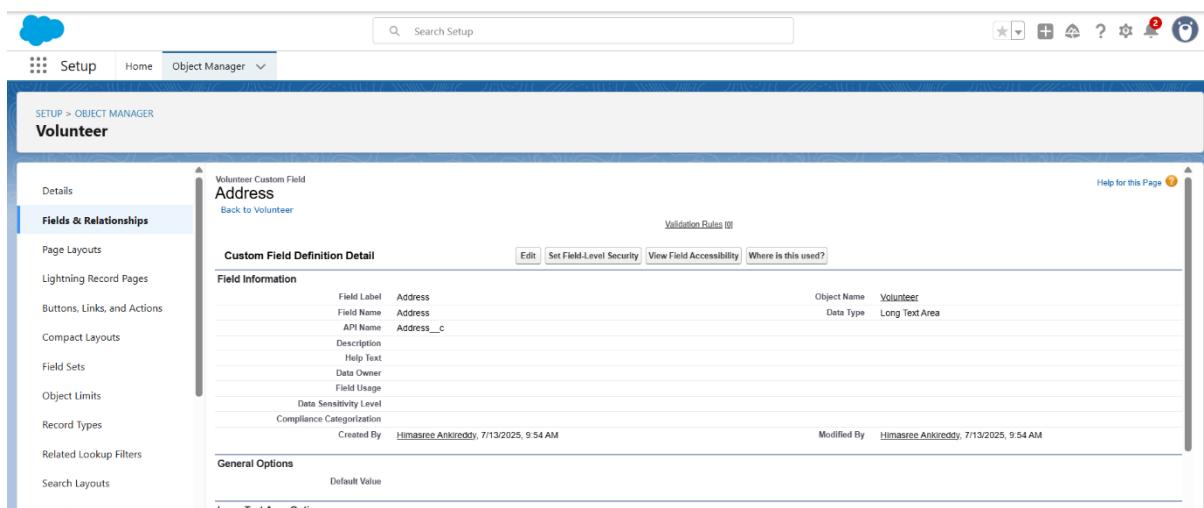
General Options

Required	<input checked="" type="checkbox"/>
Unique	<input type="checkbox"/>
External ID	<input type="checkbox"/>

- Click on Next >> Next >> Save and new.

To create another fields in an object:

21. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
22. Now click on “Fields & Relationships” >> New
23. Select Data type as a “Text Area (Long)” and Click on Next
24. Fill the Above as following:
 - Field Label : Address
 - Field Name : Address

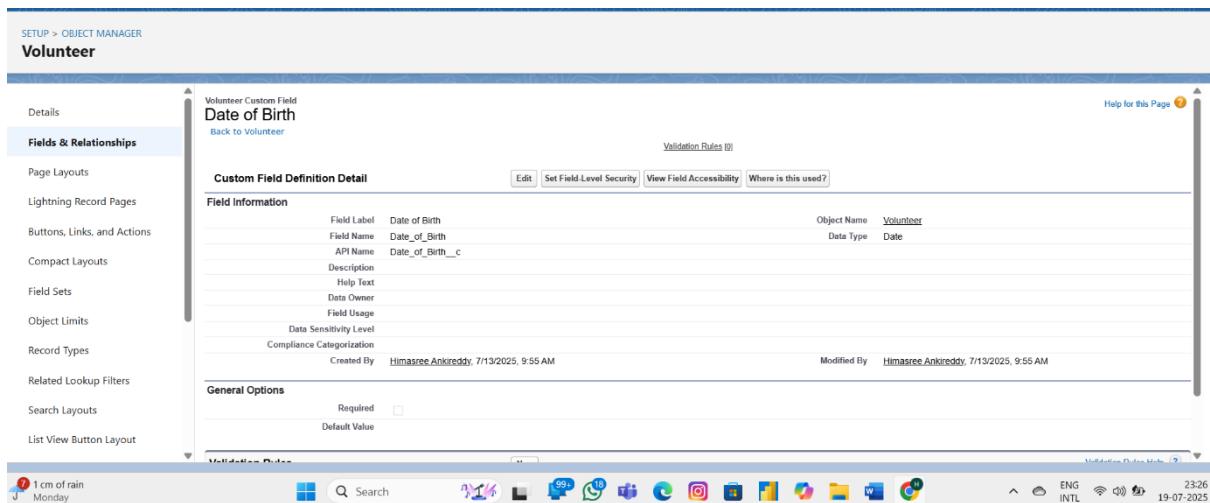


- Click on Next >> Next >> Save and new.

To create another fields in an object:

25. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
26. Now click on “Fields & Relationships” >> New
27. Select Data type as a “Date” and Click on Next
28. Fill the Above as following:

- Field Label : Date of Birth
- Field Name : Date_of_Birth



- Click on Next >> Next >> Save and new.

Creation of fields for the Execution Details object

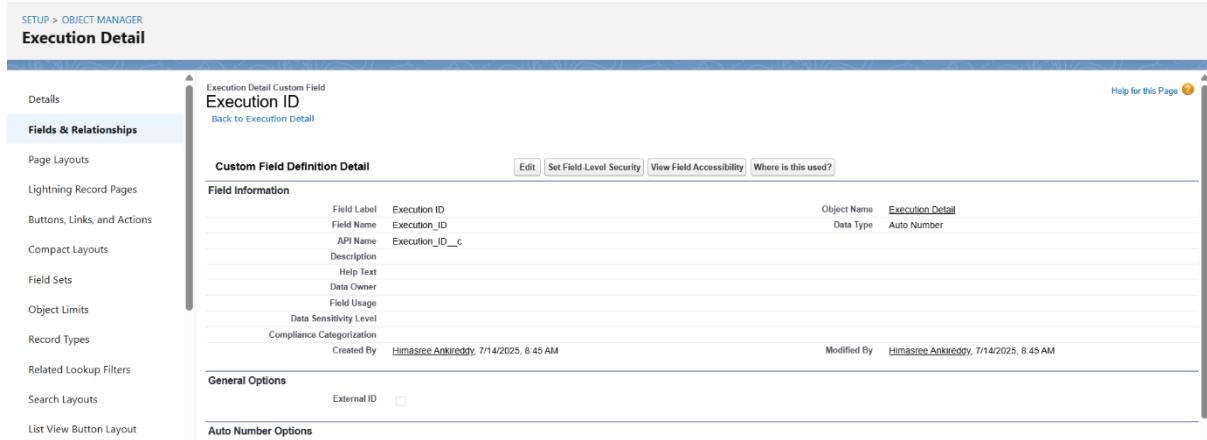
1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.

2. Now click on “Fields & Relationships” >> New

3. Select Data type as a “Auto Number” and Click on Next

4. Fill the Above as following:

- Field Label : Execution ID
- Field Name : gets auto generated
- Click on required check box



- Click on Next >> Next >> Save and new

Adding a Picture to the Dashboard (Optional)

(Note : To upload an image into the Dashboard, we have to first download an image from google or other sources into your system)

1. Click on Widget and select Image. Then click on Browse Files.
2. Then Select the Picture you want to upload in this Dashboard.
3. Then click on Save As :

Name : Task Execution Details

Click on Select Folder and select Custom Dashboards

4. Click on Select Folder and then Save

Sharing Rules

Creation of sharing rules

1. Go to setup >> type Sharing Settings in quick find box >> Click on the Sharing Settings.
2. Scroll down and find Drop-Off point Sharing Rules.
3. Click on new near Drop-Off point Sharing Rules and Name it as:

Label : Rule 1

Rule Name : Rule_1

4. Select your rule type : Select Based on criteria.
5. Select which records to be shared:

Field : Operator : Value = Distance : less than : 15

6. Select the users to share with : Near Share With

Public Groups : Iksha

7. Click on Save.
8. Click on new near Drop-Off point Sharing Rules and Name it as:

Label : Rule 2

Rule Name : Rule_2

9. Select your rule type : Select Based on criteria.
10. Select which records to be shared:

Field : Operator : Value = Distance : greater than : 15

Field : Operator : Value = Distance : less or equal : 30

11. Select the users to share with : Near Share With

Public Groups : NSS

12. Click on Save.

13. Click on new near Drop-Off point Sharing Rules and Name it as:

Label : Rule 3

Rule Name : Rule_3

14. Select your rule type : Select Based on criteria.

15. Select which records to be shared:

Field : Operator : Value = Distance : greater than : 30

Field : Operator : Value = Distance : less or equal : 50

16. Select the users to share with : Near Share With

Public Groups : Street Cause

17. Click on Save.

Action	Criteria	Shared With	Access Level
Edit Del	(Drop-Off Point: Distance LESS THAN 15)	Group: Iksha	ReadWrite
Edit Del	(Drop-Off Point: Distance GREATER THAN 15) AND (Drop-Off Point: Distance LESS OR EQUAL 30)	Group: NSS	ReadWrite
Edit Del	(Drop-Off Point: Distance GREATER THAN 30) AND (Drop-Off Point: Distance LESS OR EQUAL 50)	Group: Street Cause	ReadWrite

Home Page

Creation of Home Page

1. Go to setup >> type Lightning App Builder in quick find box >> Click on the Lightning App Builder and Select the New.
2. Select Home Page and give Label as HOME Page.
3. Select Standard Home Page.
4. Near Components search for Flow and Drag and Drop in Right Side Section..
5. On the right hand side:

Flow : Venue Flow

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

The screenshot shows the FoodConnect application interface. At the top, there's a navigation bar with links for Home, Venues, Tasks, Drop-Off Points, Execution Details, Reports, volunteers, and Dashboards. Below the navigation is a search bar and a toolbar with various icons. The main content area features a dashboard titled 'Task Execution Details'. This dashboard includes a table for 'venue and Drop Off point' with data for Chennai, Hyderabad, and Vizag, and a chart for 'Volunteer Task' showing a single record count of 1. To the right of the dashboard is a sidebar titled 'Venue Form' containing fields for Venue Name, Email, Phone, Venue Location, Latitude, and Longitude, with a 'Next' button at the bottom.

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

8. Add FoodConnect App and then Save.

9. FoodConnect Home Page would Look Like this.

✓ Conclusion

The “Supply Leftover Food to the Poor” project demonstrates how Salesforce can be used as a powerful platform to build real-world, socially impactful solutions. By leveraging custom objects, relationships, reports, and dashboards, this project successfully addresses the critical issue of food wastage and hunger.

Through this system:

- Food donors can easily register leftover food.
- Volunteers are efficiently assigned to pick up and deliver food.
- Drop-off points are tracked to ensure food reaches the right places.
- Dashboards provide real-time visibility into operations and volunteer performance.

This application not only enhances the efficiency of food distribution but also ensures transparency, timely action, and data-driven decisions. The project can be expanded further to include mobile integration, SMS/email alerts, or even AI-driven suggestions for task assignments.

