

# To Supply Leftover Food to Poor

## 1) Introduction to Salesforce

### What is Salesforce?

Salesforce is a cloud-based customer relationship management (CRM) platform that helps businesses manage sales, customer service, and marketing operations. It provides tools for automation, analytics, and customer engagement.

## 2) Object What is an Object?

An object is a database table that stores data specific to an organization. Objects can be standard (like Accounts and Contacts) or custom, created to meet specific business needs.

### Create Venue Object

The screenshot shows the Salesforce Object Manager interface. At the top, there's a navigation bar with icons for Setup, Home, and Object Manager. A search bar says "Search Setup". On the right, there are buttons for star, plus, question mark, gear, bell, and a user icon. The main area has a title "SETUP > OBJECT MANAGER" and a sub-title "Venue". On the left is a sidebar with a "Details" tab selected, listing various configuration options like 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 content area is titled "Details" and shows the configuration for the "Venue" object. It includes fields for API Name ("Venue\_\_c"), Singular Label ("Venue"), Plural Label ("Venues"), and several checkboxes for features like Enable Reports, Track Activities, Track Field History, Deployment Status (set to Deployed), and Help Settings (set to Standard salesforce.com Help Window). There are "Edit" and "Delete" buttons at the top right of this section. A small circular icon with a brain-like symbol is visible in the bottom right corner of the main content area.

## Create Drop-Off Point Object

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

**Object Manager**: Drop-Off Point

**Details** tab selected.

**Description**: Drop-Off Point

**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

**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** tabs are visible on the left.

## Create Task Object

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

**Object Manager**: Task

**Details** tab selected.

**Description**: Task

**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

**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** tabs are visible on the left.

## Create Volunteer Object

The screenshot shows the Salesforce Setup interface with the 'Object Manager' selected. A new object named 'Volunteer' is being created. The 'Details' tab is selected, 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

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.

## Create Execution Details Object

The screenshot shows the Salesforce Setup interface with the 'Object Manager' selected. A new object named 'Execution Detail' is being created. The 'Details' tab is selected, 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

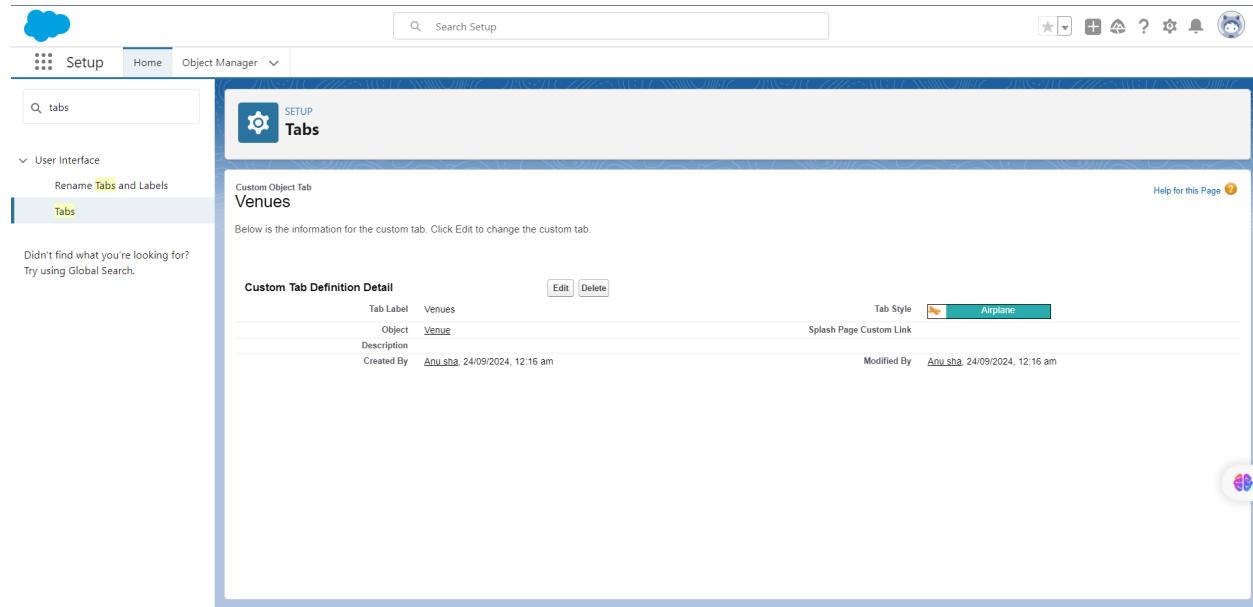
The left sidebar lists various configuration options: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, and Scoping Rules.

### 3) Tabs

#### What is a Tab?

Tabs are user interface elements that allow users to access different objects, features, and tools within the application. They provide a way to navigate and manage data related to specific objects or functions.

#### Create Venues Tab

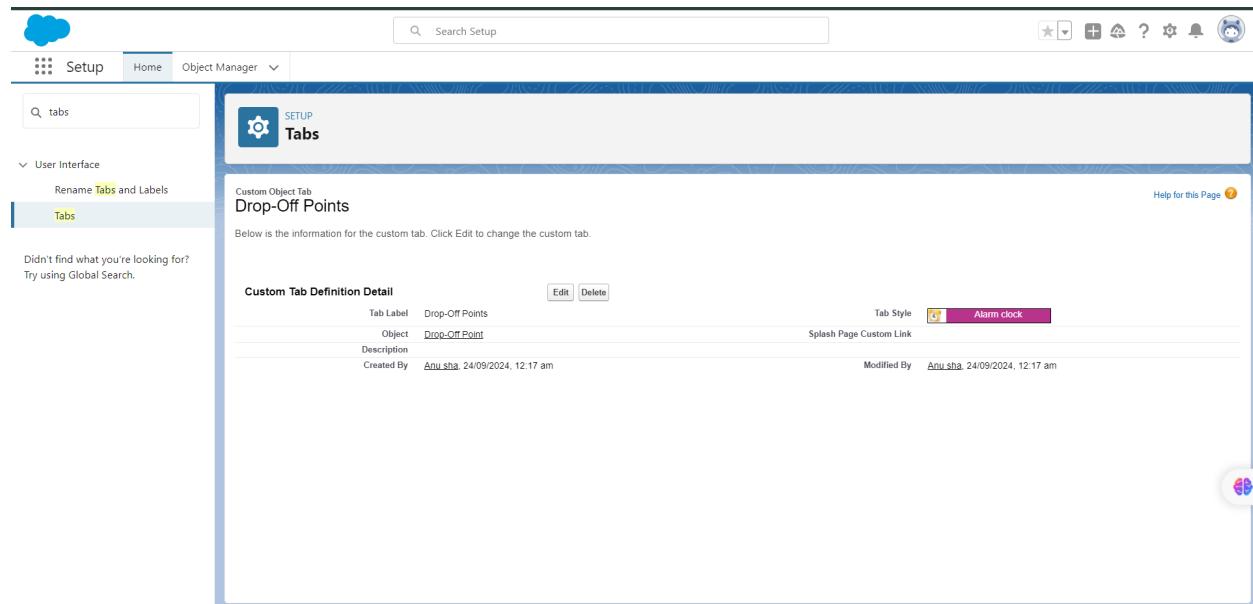


The screenshot shows the Salesforce Setup interface. In the left sidebar, under 'User Interface' > 'Tabs', there is a list item 'Tabs' which is highlighted. The main content area displays a 'Custom Object Tab' titled 'Venues'. The 'Custom Tab Definition Detail' section shows the following information:

Tab Label	Venues
Object	<u>Venue</u>
Description	
Created By	Anu sha_24/09/2024, 12:16 am

On the right side of the detail section, there are buttons for 'Edit' and 'Delete'. Below the detail section, there are tabs for 'Tab Style' (set to 'Airplane') and 'Splash Page Custom Link'. The status bar at the bottom indicates 'Modified By Anu sha\_24/09/2024, 12:16 am'.

#### Create Drop-Off Points Tab



The screenshot shows the Salesforce Setup interface, similar to the previous one. In the left sidebar, under 'User Interface' > 'Tabs', there is a list item 'Tabs' which is highlighted. The main content area displays a 'Custom Object Tab' titled 'Drop-Off Points'. The 'Custom Tab Definition Detail' section shows the following information:

Tab Label	Drop-Off Points
Object	<u>Drop-Off Point</u>
Description	
Created By	Anu sha_24/09/2024, 12:17 am

On the right side of the detail section, there are buttons for 'Edit' and 'Delete'. Below the detail section, there are tabs for 'Tab Style' (set to 'Alarm clock') and 'Splash Page Custom Link'. The status bar at the bottom indicates 'Modified By Anu sha\_24/09/2024, 12:17 am'.

## Create Tasks Tab

The screenshot shows the Salesforce Setup interface. In the top left, there's a cloud icon, followed by 'Setup', 'Home', and 'Object Manager'. A search bar with 'Search Setup' and a magnifying glass icon is at the top right, along with various system icons. On the left, a sidebar has a search field 'Q tabs' and sections for 'User Interface' (with 'Rename Tabs and Labels' and 'Tabs' selected), 'Customize Home Page', 'Customize Record Pages', and 'Customize Object Pages'. A message says 'Didn't find what you're looking for? Try using Global Search.' The main content area has a title 'SETUP Tabs' with a gear icon. It shows a 'Custom Object Tab' named 'Tasks'. Below it is a 'Custom Tab Definition Detail' table:

Tab Label	Tasks	Tab Style	Apple
Object	Task	Splash Page Custom Link	
Description			
Created By	Anu sha, 24/09/2024, 12:18 am	Modified By	Anu sha, 24/09/2024, 12:18 am

At the bottom right of the main area is a small circular icon with a brain-like symbol.

## Create Volunteers Tab

This screenshot is identical to the previous one, showing the creation of a custom tab named 'Volunteers'. The setup interface, sidebar, and main content area with the 'Custom Tab Definition Detail' table are all the same, except for the tab label 'Volunteers' instead of 'Tasks'.

## Create Execution Details Tabs

The screenshot shows the Salesforce Setup interface. In the left sidebar, under 'User Interface' and 'Tabs', there is a search bar with 'tabs' typed in. A message says 'Didn't find what you're looking for? Try using Global Search.' The main content area is titled 'Custom Object Tab' and 'Execution Details'. It displays the 'Custom Tab Definition Detail' for the 'Execution Detail' tab. The tab has a 'Tab Label' of 'Execution Details', an 'Object' of 'Execution\_Detail', and a 'Tab Style' of 'Bank'. It was created by 'Anu sha' on 24/09/2024, 12:19 am and modified by 'Anu sha' on 24/09/2024, 12:19 am.

## 4) Fields

### What is a Field?

Fields are specific data points within an object where individual pieces of information are stored. They are akin to columns in a database table and can hold various types of data, such as text, numbers, or dates.

### Creation of Fields for the Volunteer Object

#### Gender

The screenshot shows the Salesforce Setup interface. In the left sidebar, under 'Fields & Relationships', there is a search bar with 'Volunteer' typed in. The main content area is titled 'Volunteer Custom Field' and 'Gender'. It displays the 'Custom Field Definition Detail' for the 'Gender' field. The field has a 'Field Label' of 'Gender', a 'Field Name' of 'Gender', and an 'API Name' of 'Gender\_\_c'. It has a 'Data Type' of 'Picklist'. It was created by 'Anu sha' on 24/09/2024, 2:07 am and modified by 'Anu sha' on 24/09/2024, 2:07 am.

## Execution ID

The screenshot shows the Salesforce Setup interface for creating a custom field. The left sidebar is titled 'Fields & Relationships' under 'Object Manager'. The main content area is titled 'Volunteer Custom Field Execution ID'. The 'Field Information' section shows the following details:

Field Label	Execution ID	Object Name	Volunteer
Field Name	Execution_ID	Data Type	Auto Number
API Name	Execution_ID_c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			

Below this, the 'General Options' section includes 'External ID' and 'Auto Number Options' with 'Display Format'. The right side of the screen shows standard Salesforce navigation icons.

## Date of Birth

The screenshot shows the Salesforce Setup interface for creating a custom field. The left sidebar is titled 'Fields & Relationships' under 'Object Manager'. The main content area is titled 'Volunteer Custom Field Date of Birth'. The 'Field Information' section shows the following details:

Field Label	Date of Birth	Object Name	Volunteer
Field Name	Date_of_Birth	Data Type	Date
API Name	Date_of_Birth_c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			

Below this, the 'General Options' section includes 'Required' and 'Default Value'. The 'Validation Rules' section indicates 'No validation rules defined.' The right side of the screen shows standard Salesforce navigation icons.

## Address

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, and Lightning Record Pages. The 'Fields & Relationships' tab is selected. In the main content area, a 'Custom Field Definition Detail' page is displayed for the 'Address' field. The field label is 'Address', field name is 'Address', and API name is 'Address\_\_c'. The data type is 'Long Text Area'. The 'General Options' section includes a 'Required' checkbox which is checked. The 'Number Options' section includes a 'Length' field set to 32,768. A 'Validation Rules' section is also present.

## Contact Number

The screenshot shows the Salesforce Object Manager interface for the 'Volunteer' object. The sidebar and field definition details are identical to the 'Address' field, with the 'Contact Number' field having a field label of 'Contact Number', field name of 'Contact\_Number', and API name of 'Contact\_Number\_\_c'. The data type is 'Number'. The 'General Options' section includes a 'Required' checkbox which is checked. The 'Number Options' section includes a 'Length' field set to 32,768. A 'Validation Rules' section is also present.

## Email

The screenshot shows the Salesforce Setup interface for creating a custom field. The object being edited is 'Volunteer'. The custom field is named 'Email'.

**Custom Field Definition Detail**

Field Label	Field Name	Object Name	Data Type
Email	Email	Volunteer	Email

**General Options**

- Required:
- Unique:
- External ID:
- Default Value:

**Validation Rules**

Help for this Page ?

## Age

The screenshot shows the Salesforce Setup interface for creating a custom field. The object being edited is 'Volunteer'. The custom field is named 'Age'.

**Custom Field Definition Detail**

Field Label	Field Name	Object Name	Data Type
Age	Age	Volunteer	Number

**General Options**

- Required:
- Unique:
- External ID:
- AI Prediction:
- Default Value:

**Number Options**

Help for this Page ?

## Available On

The screenshot shows the Salesforce Setup interface for creating a custom field named 'Available On'. The 'Object Manager' is selected under 'SETUP > OBJECT MANAGER'. The 'Volunteer' object is chosen. A new custom field is being created with the following details:

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	Anu sha	Created	24/09/2024, 2:08 am
Modified By	Anu sha	Modified	24/09/2024, 2:08 am

The 'General Options' section indicates that the field is required. The 'Validation Rules' section shows that no validation rules have been defined.

## Volunteer ID

The screenshot shows the Salesforce Setup interface for creating a custom field named 'Volunteer ID'. The 'Object Manager' is selected under 'SETUP > OBJECT MANAGER'. The 'Volunteer' object is chosen. A new custom field is being created with the following details:

Field Label	Volunteer ID	Object Name	Volunteer
Field Name	Volunteer_ID	Data Type	Auto Number
API Name	Volunteer_ID__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Anu sha	Created	24/09/2024, 2:06 am
Modified By	Anu sha	Modified	24/09/2024, 2:06 am

The 'General Options' section includes an 'External ID' checkbox, which is unchecked. The 'Auto Number Options' section includes a 'Display Format' dropdown.

## Drop-Off Point

The screenshot shows the Salesforce Setup interface for creating a custom field. The object selected is 'Volunteer'. The custom field being created is named 'Drop-Off Point'.

**Custom Field Definition Detail:**

- Field Information:**
  - Field Label: Drop-Off Point
  - Field Name: Drop\_Off\_point
  - API Name: Drop\_Off\_point\_c
  - Description: Help Text
  - Data Owner: Field Usage
  - Data Sensitivity Level: Low
  - Compliance Categorization: Not Specified
- Object Name: Volunteer
- Data Type: Lookup
- Created By: Anu sha, 24/09/2024, 12:33 am
- Modified By: Anu sha, 24/09/2024, 12:42 am

**Lookup Options:**

- Related To: Drop-Off Point
- Related List Label: Volunteers
- Required:
- What to do if the lookup record is deleted? Clear the value of this field.

**Help for this Page**

## Creation of Fields for the Venue Object

### Contact Email

The screenshot shows the Salesforce Setup interface for creating a custom field. The object selected is 'Venue'. The custom field being created is named 'Contact Email'.

**Custom Field Definition Detail:**

- 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: Low
  - Compliance Categorization: Not Specified
- Object Name: Venue
- Data Type: Email
- Created By: Anu sha, 24/09/2024, 12:55 am
- Modified By: Anu sha, 24/09/2024, 12:55 am

**General Options:**

- Required:
- Unique:
- External ID:
- Default Value: Not specified

**Validation Rules**

## Contact Phone

The screenshot shows the Salesforce Setup interface for creating a custom field. The object selected is 'Venue'. The custom field being created is named 'Contact Phone'.

**Custom Field Definition Detail**

Field Information	Value
Field Label	Contact Phone
Field Name	Contact_Phone
API Name	Contact_Phone_c
Description	Help Text
Data Owner	Field Usage
Data Sensitivity Level	Compliance Categorization
Created By	Anu sha 24/09/2024, 12:56 am
Modified By	Anu sha 24/09/2024, 12:56 am

**General Options**

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

**Validation Rules**

No validation rules defined.

## Location

The screenshot shows the Salesforce Setup interface for creating a custom field. The object selected is 'Venue'. The custom field being created is named 'Location'.

**Custom Field Definition Detail**

Field Information	Value
Field Label	Location
Field Name	Location
API Name	Location__c
Description	Enter the Geolocation of your Venue
Data Owner	Field Usage
Data Sensitivity Level	Compliance Categorization
Created By	Anu sha 24/09/2024, 12:58 am
Modified By	Anu sha 24/09/2024, 12:58 am

**General Options**

Setting	Value
Required	<input type="checkbox"/>

**Geolocation Options**

Setting	Value
Decimal	<input type="checkbox"/>
Decimal Places	4

## Venue Location

The screenshot shows the Salesforce Setup interface for creating a custom field. The object being edited is 'Venue'. The custom field is named 'Venue Location' with the API name 'Venue\_Location\_\_c'. It is defined as a 'Long Text Area' field. The field has a description: 'Enter the Geolocation of the Drop-off Point'. The 'General Options' section includes a 'Required' checkbox, which is unchecked. The 'Geolocation Options' section specifies 'Decimal Places' as 4. The 'Validation Rules' section is currently empty.

## Creation of Fields for the Drop-Off Point Object Location 2

The screenshot shows the Salesforce Setup interface for creating a custom field. The object being edited is 'Drop-Off Point'. The custom field is named 'Location 2' with the API name 'Location\_2\_\_c'. It is defined as a 'Geolocation' field. The field has a description: 'Enter the Geolocation of the Drop-off Point'. The 'General Options' section includes a 'Required' checkbox, which is checked. The 'Geolocation Options' section specifies 'Decimal Places' as 4. The 'Validation Rules' section is currently empty.

## Distance Calculation

The screenshot shows the Salesforce Setup interface for creating a custom field. The object selected is 'Drop-Off Point'. The custom field being created is named 'distance\_calculation'.

**Custom Field Definition Detail:**

- Field Information:**
  - Field Label: distance calculation
  - Field Name: distance\_calculation
  - API Name: distance\_calculation\_c
  - Description
  - Help Text
  - Data Owner
  - Field Usage
  - Data Sensitivity Level
  - Compliance Categorization
- Created By: Anu sha 24/09/2024, 4:11 pm
- Modified By: Anu sha 24/09/2024, 4:11 pm

**Formula Options:**

- Data Type: Formula
- Decimal Places: 4
- Formula: DISTANCE( Location\_2\_\_c , Location\_2\_\_c , 'Km' )

## Creation of Fields for the Task Object

### Venue\_c

The screenshot shows the Salesforce Setup interface for creating a custom field. The object selected is 'Task'. The custom field being created is named 'Venue\_c'.

**Custom Field Definition Detail:**

- Field Information:**
  - Field Label: Venue\_c
  - Field Name: Venue
  - API Name: Venue\_c
  - Description
  - Help Text
  - Data Owner
  - Field Usage
  - Data Sensitivity Level
  - Compliance Categorization
- Created By: Anu sha 24/09/2024, 12:48 am
- Modified By: Anu sha 24/09/2024, 12:48 am

**Lookup Options:**

- Related To: Drop-Off Point
- Related List Label: Tasks
- Required:
- What to do if the lookup record is deleted? Clear the value of this field.

## Distance

The screenshot shows the Salesforce Setup interface for creating a custom field. The left sidebar lists various setup categories like Page Layouts, Lightning Record Pages, etc. The main area is titled 'Task Custom Field Distance' under 'Task'. The 'Custom Field Definition Detail' section shows the following details:

Field Label	Distance	Object Name	Task
Field Name	Distance	Data Type	Number
API Name	Distance__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Anu sha	Created On	24/09/2024, 4:02 pm
Modified By	Anu sha	Modified On	24/09/2024, 4:02 pm

The 'General Options' section includes 'Required' checked, 'Unique' unchecked, 'External ID' unchecked, 'AI Prediction' unchecked, and 'Default Value' empty. The 'Number Options' section is collapsed.

## Feedback

The screenshot shows the Salesforce Setup interface for creating a custom field. The left sidebar lists various setup categories like Page Layouts, Lightning Record Pages, etc. The main area is titled 'Task Custom Field Feedback' under 'Task'. The 'Custom Field Definition Detail' section shows the following details:

Field Label	Feedback	Object Name	Task
Field Name	Feedback	Data Type	Long Text Area
API Name	Feedback__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Anu sha	Created On	24/09/2024, 2:03 am
Modified By	Anu sha	Modified On	24/09/2024, 2:03 am

The 'General Options' section includes 'Default Value' empty. The 'Long Text Area Options' section shows '# Visible Lines' set to 3 and 'Length' set to 32,768. The 'Validation Rules' section has a 'New' button.

## Rating

The screenshot shows the Salesforce Setup interface for creating a custom field. The left sidebar lists various setup categories like Page Layouts, Lightning Record Pages, and Field Sets. The main content area is titled 'Task Custom Field Rating' and shows the 'Custom Field Definition Detail' page. The field information includes:

Field Label	Rating	Object Name	Task
Field Name	Rating	Data Type	Picklist
API Name	Rating__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			

General Options include 'Required' (unchecked) and 'Default Value' (set to null). Picklist Options show 'Restrict picklist to the values defined in the value set' checked and 'Controlling Field' set to [New]. The page also includes tabs for Validation Rules, Set Field-Level Security, View Field Accessibility, and Where is this used?

## Phone

The screenshot shows the Salesforce Setup interface for creating a custom field. The left sidebar lists various setup categories. The main content area is titled 'Task Custom Field Phone' and shows the 'Custom Field Definition Detail' page. The field information includes:

Field Label	Phone	Object Name	Task
Field Name	Phone	Data Type	Phone
API Name	Phone__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			

General Options include 'Required' (unchecked) and 'Default Value' (set to null). Validation Rules tab shows 'No validation rules defined.' The page also includes tabs for Set Field-Level Security, View Field Accessibility, and Where is this used?

## Name of the Person

The screenshot shows the Salesforce Object Manager interface for creating a custom field. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, and Field Sets. The main area is titled 'Task Custom Field Name of the Person'. It shows the 'Custom Field Definition Detail' page with tabs for Edit, Set Field-Level Security, View Field Accessibility, and Where is this used?. The 'Field Information' section includes fields for Field Label (Name of the Person), Field Name (Name\_of\_the\_Person), API Name (Name\_of\_the\_Person\_c), Description, Help Text, Data Owner, Field Usage, Data Sensitivity Level, and Compliance Categorization. The 'General Options' section includes Required (unchecked), Unique (unchecked), Case Sensitive (unchecked), External ID (unchecked), and Default Value. The 'Text Options' section is partially visible. The right side of the screen shows standard Salesforce navigation icons.

## Food Category

The screenshot shows the Salesforce Object Manager interface for creating a custom field. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, and Field Sets. The main area is titled 'Task Custom Field Food Category'. It shows the 'Custom Field Definition Detail' page with tabs for Edit, Set Field-Level Security, View Field Accessibility, and Where is this used?. The 'Field Information' section includes fields for Field Label (Food Category), Field Name (Food\_Category), API Name (Food\_Category\_c), Description, Help Text, Data Owner, Field Usage, Data Sensitivity Level, and Compliance Categorization. The 'General Options' section includes Required (checked), Unique (unchecked), Case Sensitive (unchecked), External ID (unchecked), and Default Value (set to null). The 'Picklist (Multi-Select) Options' section includes 'Restrict picklist to the values defined in the value set' (checked) and 'Controlling Field' (set to [New]). The right side of the screen shows standard Salesforce navigation icons.

## Number of People Saved

The screenshot shows the Salesforce Setup interface for creating a custom field. The left sidebar lists various setup categories like Page Layouts, Lightning Record Pages, and Field Sets. The main area is titled 'Task Custom Field Number of People Served' and displays the 'Custom Field Definition Detail' page. The 'Field Information' section shows the field label 'Number of People Served', field name 'Number\_of\_People\_Served', API name 'Number\_of\_People\_Served\_c', and data type 'Number'. The 'General Options' section indicates that the field is required. The 'Validation Rules' section is currently empty.

## Date

The screenshot shows the Salesforce Setup interface for creating a custom field. The left sidebar lists various setup categories. The main area is titled 'Task Custom Field Date' and displays the 'Custom Field Definition Detail' page. The 'Field Information' section shows the field label 'Date', field name 'Date', API name 'Date\_\_c', and data type 'Date'. The 'General Options' section indicates that the field is required. The 'Validation Rules' section shows a note: 'No validation rules defined.'

## Task ID

The screenshot shows the Salesforce Setup interface for creating a custom field named 'Task ID'. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, and Lightning Record Pages. The main content area displays the 'Custom Field Definition Detail' for 'Task ID'. Key details include:

- Field Label:** Task ID
- Field Name:** Task\_ID
- API Name:** Task\_ID\_\_c
- Description:** Help Text
- Data Type:** Auto Number
- Object Name:** Task
- Created By:** Anu sha, 24/09/2024, 1:54 am
- Modified By:** Anu sha, 24/09/2024, 1:54 am

## Creation of Fields for the Execution Details Object Volunteer

The screenshot shows the Salesforce Setup interface for creating a custom field named 'Volunteer' on the 'Execution Detail' object. The left sidebar lists various setup categories. The main content area displays the 'Custom Field Definition Detail' for 'Volunteer'. Key details include:

- Field Label:** Volunteer
- Field Name:** Volunteer
- API Name:** Volunteer\_\_c
- Description:** Help Text
- Data Type:** Master-Detail
- Object Name:** Execution Detail
- Created By:** Anu sha, 24/09/2024, 12:38 am
- Modified By:** Anu sha, 24/09/2024, 12:38 am

Under 'Master-Detail Options':

- Related To:** Volunteer
- Related List Label:** Execution Details
- Sharing Setting:** Read/Write: Allows users with at least Read/Write access to the Master record to create, edit, or delete related Detail records.
- Reparentable Master Detail:**
- Child Relationship Name:** Execution\_Details

Under 'Lookup Filter':

- No lookup filters defined.

## Task

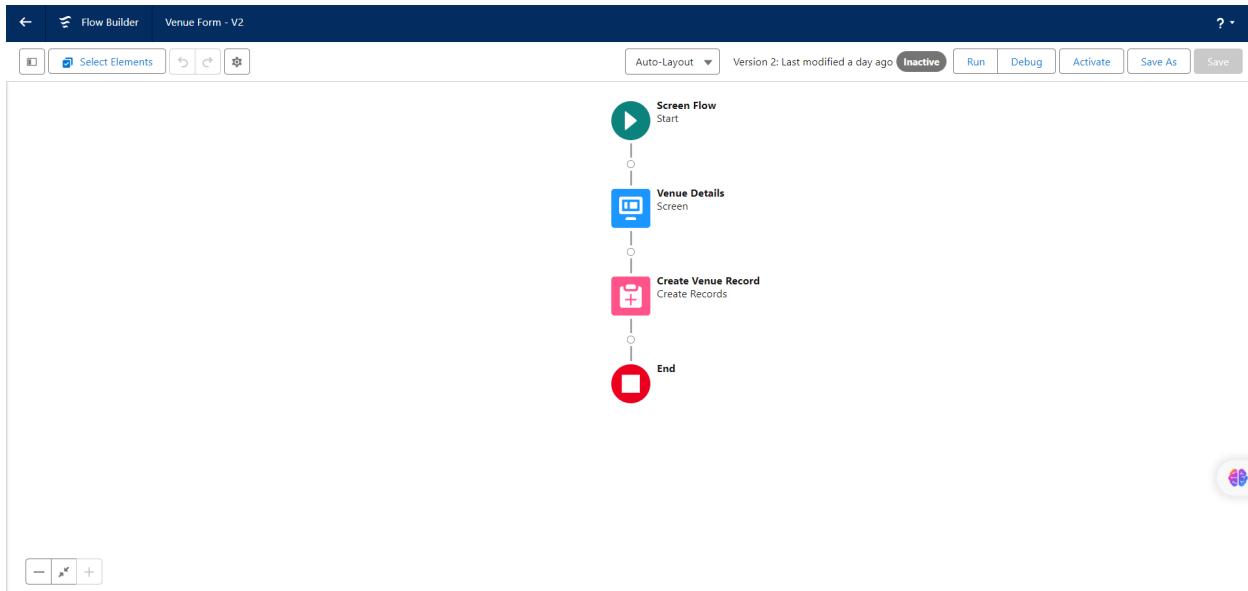
The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The search bar contains 'Search Setup'. The main content area is titled 'Execution Detail Custom Field Task'. It displays the 'Custom Field Definition Detail' for the 'Task' field. The 'Field Information' section shows the field label 'Task', field name 'Task', API name 'Task\_\_c', and data type 'Master-Detail'. The 'Master-Detail Options' section shows it is related to 'Task' and has a child relationship named 'Execution\_Details'. A note indicates 'Read/Write: Allows users with at least Read/Write access to the Master record to create, edit, or delete related Detail records.' On the left sidebar, under 'Fields & Relationships', there is a list of various layout types: 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.

## 5) Flows

### What is a Flow?

Flows are automation tools that allow users to create complex business processes and workflows using a visual interface. They can automate tasks, guide users through steps, and integrate with other systems.

### Flow to Create a Record in Venue Object

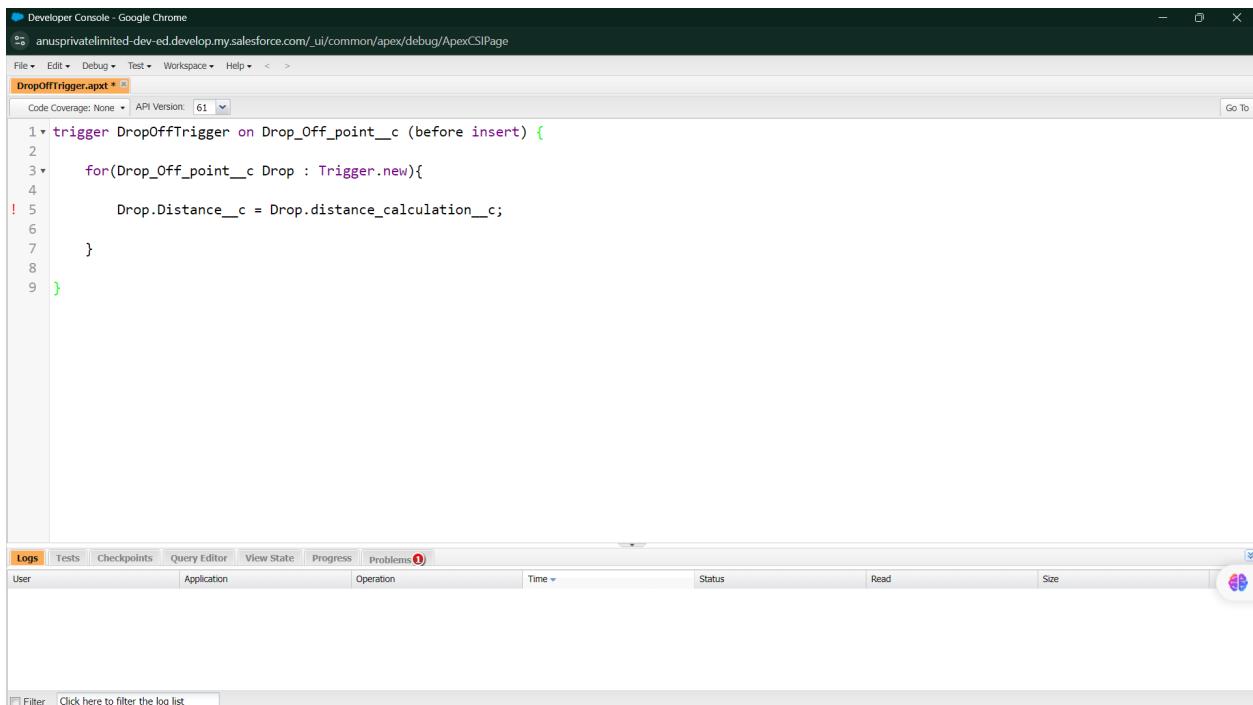


## 6) Trigger

### What is a Trigger?

A trigger is a piece of Apex code that executes before or after specific database events on objects, such as insertions, updates, or deletions. Triggers are used to perform custom actions or enforce business rules.

### Trigger Code



The screenshot shows the Salesforce Developer Console interface. The top part is a code editor window titled "DropOffTrigger.apxt". It contains the following Apex 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;
    }
}
```

The code editor has tabs for "Logs", "Tests", "Checkpoints", "Query Editor", "View State", "Progress", and "Problems". The "Logs" tab is selected. Below the code editor is a log viewer with columns for "User", "Application", "Operation", "Time", "Status", and "Size". A "Filter" button and a "Click here to filter the log list" link are at the bottom of the log viewer.

## 7) Profiles

### What is a Profile?

Profiles define a user's permissions and access settings, controlling what users can see and do within the application. They specify the objects, fields, and functions a user can access.

### NGOs Profile

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

**Setup** Home Object Manager

Search bar: Search Setup

Profile: NGOs Profile

Profile Detail:

- Name: NGOs Profile
- User License: Salesforce Platform
- Description: (empty)
- Created By: Anu sha 24/09/2024, 1:36 pm
- Modified By: Anu sha 24/09/2024, 4:11 pm

Custom Profile: checked

Page Layouts:

Standard Object Layouts	Global	Lead
Global IP Ranges	[View Assignment]	[View Assignment]
Enabled Apex Class Access	[View Assignment]	[View Assignment]
Enabled Visualforce Page Access	[View Assignment]	[View Assignment]
Enabled External Data Source Access	[View Assignment]	[View Assignment]
Enabled Named Credential Access	[View Assignment]	[View Assignment]
Enabled External Credential Principal Access	[View Assignment]	[View Assignment]
Enabled Custom Metadata Type Access	[View Assignment]	[View Assignment]
Enabled Custom Setting Definitions Access	[View Assignment]	[View Assignment]
Enabled Flow Access	[View Assignment]	[View Assignment]
Enabled Service Presence Status Access	[View Assignment]	[View Assignment]
Enabled Custom Permissions	[View Assignment]	[View Assignment]

Location:

Location	Location Layout
Not Assigned	[View Assignment]
Location Group	[View Assignment]

Location Group:

Location Group	Location Group Layout
Not Assigned	[View Assignment]
Location Group Assignment	[View Assignment]

Object Milestone:

Object Milestone	Object Milestone Layout
Not Assigned	[View Assignment]

Operating Hours:

Operating Hours	Operating Hours Layout
Not Assigned	[View Assignment]

## 8) Users

### What is a User?

Users are individuals who have login access to the Salesforce organization. Each user has a unique username, profile, and role, determining their access levels and permissions within the system.

### Anusha Foundation

The screenshot shows the Salesforce Setup interface for managing users. The left sidebar is collapsed, and the main area displays the 'User Detail' for a user named 'Anusha Foundation Anusha\_Foundation'. The 'Role' section indicates the user is a 'Marketing User' with the 'NGOs Profile' selected. Other roles listed include Active, Marketing User, Offline User, Knowledge User, Flow User, Service Cloud User, Site.com Contributor User, Site.com Publisher User, WDC User, Mobile Push Registrations, Data.com User Type, Accessibility Mode (Classic Only), Debug Mode, High-Contrast Palette on Charts, and Load Lightning Pages While Scrolling. The 'User Detail' section also includes fields for Name, Alias, Email, Username, Nickname, Title, Company, Department, Division, Address, Time Zone, Locale, Language, Delegated Approver, Manager, Receive Approval Request Emails, Federation ID, App Registration: One-Time Password, and various checkboxes for user settings like 'User License', 'Profile', and 'Active'.

## Sri nidhi Foundation

The screenshot shows the Salesforce Setup interface for the 'Sri nidhi Foundation' organization. The left sidebar navigation includes 'Setup', 'Home', 'Object Manager', and sections for 'Permission Set Groups', 'Permission Sets', 'Profiles', 'Public Groups', 'Queues', 'Roles', 'User Management Settings', and 'Users'. Under 'Users', there are sub-sections for 'Feature Settings', 'Data.com', and 'Prospector'. A search bar at the top right says 'Search Setup'.

The main content area displays the 'User Detail' for a user named 'Sri nidhi Foundation Sri\_nidhi\_Foundation'. The user's details include:

- Name: Sri nidhi Foundation Sri\_nidhi\_Foundation
- Alias: ssri\_
- Email: singirkondasrinidhi21@gmail.com (Verify)
- Username: singirkondasrinidhi21@sb.com
- Nickname: User17271673390331732900
- Title:
- Company:
- Department:
- Division:
- Address:
- Time Zone: (GMT+05:30) India Standard Time (Asia/Kolkata)
- Locale: English (India)
- Language: English
- Delegated Approver:
- Manager:
- Receive Approval Request Emails: Only if I am an approver
- Federation ID:
- App Registration: One-Time Password
- User License: Salesforce Platform
- Profile: NGO Profile
- Active:
- Marketing User:
- Offline User:
- Knowledge User:
- Flow User:
- Service Cloud User:
- Site.com Contributor User:
- Site.com Publisher User:
- WDC User:
- Mobile Push Registrations:  View
- Data.com User Type:  i
- Accessibility Mode (Classic Only):  i
- Debug Mode:  i
- High-Contrast Palette on Charts:  i
- Load Lightning Pages While Scrolling:  i

## Strigold Foundation

The screenshot shows the Salesforce Setup interface for the 'Strigold Foundation' organization. The left sidebar navigation is identical to the previous screenshot, including 'Setup', 'Home', 'Object Manager', and sections for 'Permission Set Groups', 'Permission Sets', 'Profiles', 'Public Groups', 'Queues', 'Roles', 'User Management Settings', and 'Users'. Under 'Users', there are sub-sections for 'Feature Settings', 'Data.com', and 'Prospector'. A search bar at the top right says 'Search Setup'.

The main content area displays the 'User Detail' for a user named 'Strigold Foundation Strigold\_Foundation'. The user's details include:

- Name: Strigold Foundation Strigold\_Foundation
- Alias: ssrm
- Email: singirkondasrinidhi012@gmail.com (Verify)
- Username: singirkondasrinidhi012@sb.com
- Nickname: User17271671026543151030
- Title:
- Company:
- Department:
- Division:
- Address:
- Time Zone: (GMT+05:30) India Standard Time (Asia/Kolkata)
- Locale: English (India)
- Language: English
- Delegated Approver:
- Manager:
- Receive Approval Request Emails: Only if I am an approver
- Federation ID:
- App Registration: One-Time Password
- User License: Salesforce Platform
- Profile: NGO Profile
- Active:
- Marketing User:
- Offline User:
- Knowledge User:
- Flow User:
- Service Cloud User:
- Site.com Contributor User:
- Site.com Publisher User:
- WDC User:
- Mobile Push Registrations:  View
- Data.com User Type:  i
- Accessibility Mode (Classic Only):  i
- Debug Mode:  i
- High-Contrast Palette on Charts:  i
- Load Lightning Pages While Scrolling:  i

## 9) Public Groups

### What is a Public Groups ?

Public groups are collections of users, roles, and other groups that can be used to simplify sharing rules and access settings. They help manage data visibility and permissions across multiple users.

### Anusha

The screenshot shows the Salesforce Setup interface. The left sidebar is collapsed, and the main area displays the 'Public Groups' page under the 'Users' category. A search bar at the top right contains the text 'Search Setup'. The 'Public Groups' section is highlighted in blue. A group named 'Anusha' is listed, showing its details: Label 'Anusha', Group Name 'Anusha', and 'Grant Access Using Hierarchies' checked. It was created by 'Anu sha' on 24/09/2024, 2:41 pm, and modified by 'Anu sha' on the same date. Below the group details, there is a table titled 'View All Users' with one entry: 'Sigold Foundation Anusha\_Foundation' (Type: User). A 'Help for this Page' link is visible in the top right corner of the main content area.

### Iksha

The screenshot shows the Salesforce Setup interface, similar to the previous one. The left sidebar is collapsed, and the main area displays the 'Public Groups' page under the 'Users' category. A search bar at the top right contains the text 'Search Setup'. The 'Public Groups' section is highlighted in blue. A group named 'Iksha' is listed, showing its details: Label 'Iksha', Group Name 'Iksha', and 'Grant Access Using Hierarchies' checked. It was created by 'Anu sha' on 24/09/2024, 2:40 pm, and modified by 'Anu sha' on the same date. Below the group details, there is a table titled 'View All Users' with one entry: 'Anusha Foundation Anusha\_Foundation' (Type: User). A 'Help for this Page' link is visible in the top right corner of the main content area.

## Srinidhi

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

- Left Sidebar:** Shows navigation categories like Users, Feature Settings, Company Settings, and a search bar.
- Public Groups Section:** Under "Feature Settings", "Public Groups" is selected. A sub-section for "Content Deliveries and Public Links" is also visible.
- Public Groups Page:** Displays a group named "Srinidhi".
  - Group Details:** Label: Srinidhi, Group Name: Srinidhi, Grant Access Using Hierarchies: checked.
  - Created By:** Anu sha, 24/09/2024, 2:41 pm.
  - Modified By:** Anu sha, 24/09/2024, 2:41 pm.
  - Users:** A table lists "Srinidhi Foundation Sri\_nidhi\_Foundation" as a user of type "User".

## 10) Report Types

### What is a Report Type?

Report types define the set of records and fields available for a report. They determine which objects, and their relationships can be included, allowing users to create customized reports based on specific criteria.

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

- Left Sidebar:** Shows navigation categories like Feature Settings, Analytics, Reports & Dashboards, Report Types (selected), Reporting Snapshots, Reports and Dashboards, and Settings.
- Report Types Section:** Under "Reports & Dashboards", "Report Types" is selected.
- Report Types Page:** Displays a custom report type named "Venue with DropOff with Volunteer".
  - Custom Report Type Definition:** Report Type Label: Venue with DropOff with Volunteer, Report Type Name: Venue\_with\_DropOff\_with\_Volunteer, Description: Venue with DropOff with Volunteer, Created By: Anu sha, 24/09/2024, 2:56 pm.
  - Report Type Category:** Other Reports, Deployment Status: Deployed.
  - Object Relationships:** A diagram illustrates relationships between Venues (A), Tasks (B), and Execution Details (C). It shows overlapping circles labeled A, B, and C, with arrows indicating relationships between them.

# 11) Dashboards

## What is a Dashboard?

Dashboards are visual displays of key metrics and reports, providing a snapshot of business performance. They consist of multiple components like charts, graphs, and tables, offering insights and data visualization for decision-making.

The screenshot shows the FoodConnect dashboard interface. At the top, there is a navigation bar with icons for Home, Venues, Drop-Off Points, Tasks, Volunteers, Execution Details, and Reports. A search bar is located at the top right. Below the navigation bar, the main content area is titled "Task Execution Details" and shows a timestamp of "As of 25-Sept-2024, 7:35 pm Viewing as Anu sha". There are three main data cards:

- venue and Drop Off point**: A chart showing a single data point with a count of 1 for "trhyf".
- Volunteer Task**: A chart showing a single data point with a count of 1 for "a03Qy000007pfSV".
- Volunteer Task**: An image showing two hands holding a bowl of food over a large pot.

To the right of these cards is a form titled "Venue Flow" with fields for Venue Name, Email, Phone, Venue Location, Latitude, and Longitude. A "Next" button is at the bottom right of the form.

## 12) Sharing Rules

### What is a Sharing Rule?

Sharing rules are used to extend access to records to users in public groups or roles. They allow administrators to define additional criteria for sharing records beyond what is granted by default through profiles and roles, ensuring appropriate data access across the organization.

The screenshot shows the Salesforce Sharing Settings page. The left sidebar includes a search bar, a Setup icon, Home, Object Manager, and a Security section with links for Guest User Sharing Rule Access Report and Sharing Settings. A note says "Didn't find what you're looking for? Try using Global Search." The main content area is titled "Sharing Settings" and contains sections for Work Type Sharing Rules, Work Type Group Sharing Rules, Drop-Off Point Sharing Rules, Task Sharing Rules, Venue Sharing Rules, and Volunteer Sharing Rules. Each section has "New" and "Recalculate" buttons. The Drop-Off Point Sharing Rules section shows three entries:

Action	Criteria	Shared With	Access Level
Edit   Del	(Drop-Off Point: Location 2 (Latitude) GREATER THAN 15) AND (Drop-Off Point: Location 2 (Latitude) LESS OR EQUAL 30)	Group: Anusha	Read Only
Edit   Del	Drop-Off Point: Location 2 (Latitude) LESS THAN 15	Group: Iksha	Read Only
Edit   Del	(Drop-Off Point: Location 2 (Latitude) GREATER THAN 30) AND (Drop-Off Point: Location 2 (Latitude) LESS OR EQUAL 50)	Group: Srinithi	Read Only

## 13) Conclusions

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.

### Food Connect App

The screenshot displays the Food Connect App interface. At the top, there is a navigation bar with icons for Home, Venues, Drop-Off Points, Tasks, Volunteers, Execution Details, and Reports. A search bar is located at the top right. Below the navigation bar, the main content area is divided into three sections:

- Task Execution Details:** Shows a chart titled "venue and Drop Off point" with a single data point for "trhyt" at a record count of 1. A link "View Report (venue and Drop Off point)" is provided.
- Volunteer Task:** Shows a chart titled "Volunteer Task" with a single data point at a record count of 1. It includes the ID "a03Qy000007p3V" and the text "Volunteer: ID". A link "View Report (Volunteer Task)" is provided.
- Venue Flow:** A form for entering venue information. Fields include "Venue Name" (with placeholder "Venue Name"), "Email" (placeholder "you@example.com"), "Phone" (placeholder), "Venue Location" (placeholder), "Latitude" (placeholder), and "longitude" (placeholder). A "Next" button is located at the bottom right of the form.