# To Supply Leftover Food to Poor

Category: Salesforce

SkillsRequired:SalesforceDeveloper

Project Overview

Project Objectives and Goals

Objective: This projectaims to develop a Salesforce-based application designed to manage andstreamline the distribution of leftover food to underserved communities. The primary goal is to enhance the efficiency of food drop-offs, coordinate tasks, manage volunteers, and generate insightful reports.
Detailed Description of Implemented Features
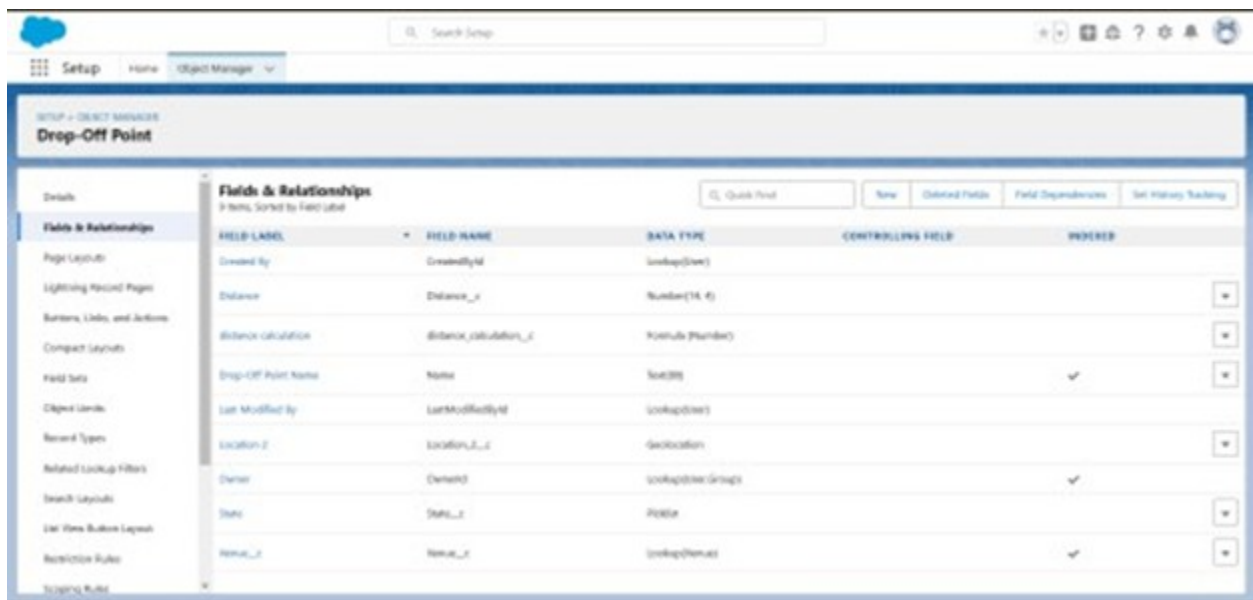
Custom Objects

Drop-Off Point:

- ○ Purpose: The Drop-Off Point object captures essential details about

    locations where food is dropped off. This helps in tracking and

    managing food distribution points effectively.

- ○ Fields:

Drop-Off Point Name: A text field representing the name of the drop-off point.

Location Details: A text field for additional detailsabout the offpoint location.

Distance: A number fieldthat records the distance from the drop-offpoint to the delivery area.
Venue: A lookup relationship field linking to the Venueobject to providea connection between drop-off points and venues.

Task:

- ○ Purpose: The Task objectis used to manage and track varioustasks

  related to food distribution, including assigning tasks to volunteers and
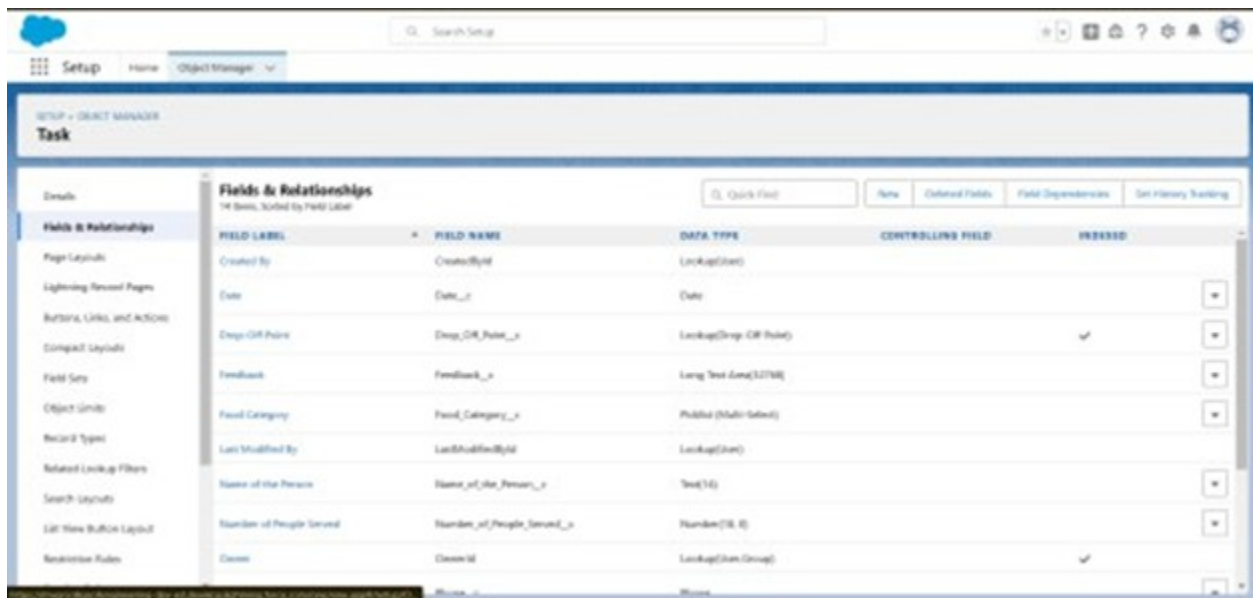
  recording task details.

- ○ Fields:

Task Name: A text fieldrepresenting the name of the task.

Date: A date field indicating when the task is scheduled or completed. ○

Rating: A numeric field used to rate the task performance.

Drop-Off Point: A lookup relationship field linking to the Drop-Off Point object to associate tasks with specific drop-off points.
Sponsored By: A lookup relationship field linking to the Drop-Off Point

object to indicate the sponsor of the task.



Volunteer:

- ○ Purpose: The Volunteer object keeps track of individuals who are

  involvedin the food distribution process, including their contact

  information and assigned tasks. ■ Fields:

Volunteer Name: A text field for the name of the volunteer.

Contact Email: An email fieldfor the volunteer's contact email.

Contact Phone: A phone field for the volunteer's contactnumber.

Assigned Tasks: A related list showing tasks assigned to the volunteer
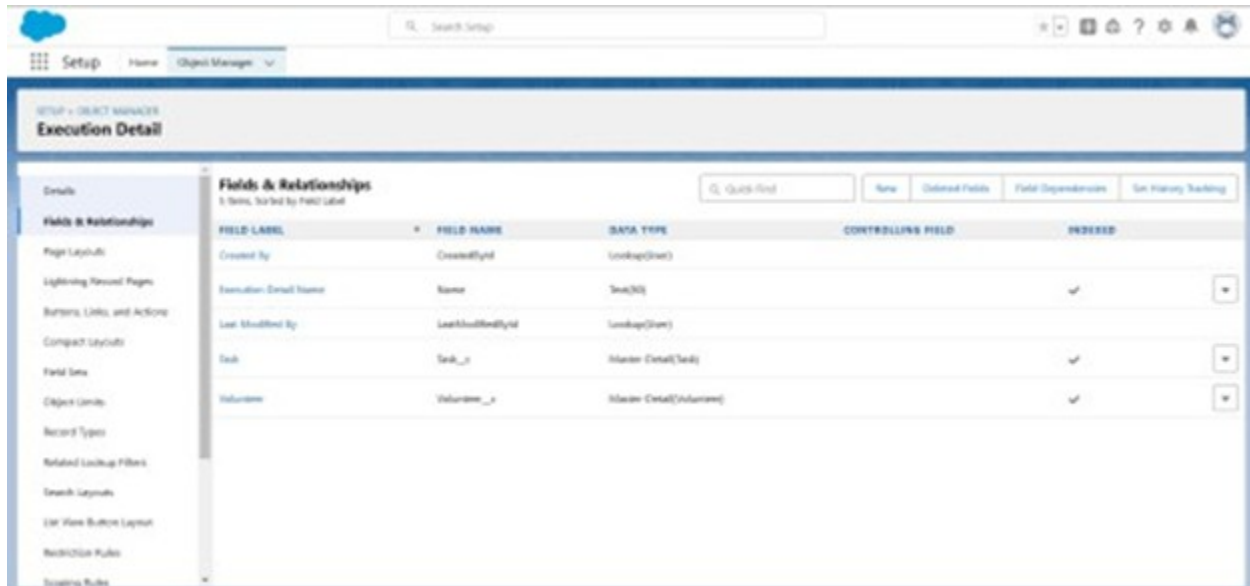


Execution Detail:

○ Purpose: The Execution Detail object captures detailed information
   about food distribution activities, including which volunteers and task
   are associated with each distribution.

○ Fields:

Execution DetailName: A text field for naming the execution detail record.
Volunteer: A master-detail relationship field linking to the Volunteer object to associate execution details with a specific volunteer.
Task: A master-detail relationship field linking to the Task object to associate execution details with a specific task.
Details: A text fieldfor additional information about the execution.

2.2 Object Relationships
Master-Detail Relationships:

Execution Detail to Volunteer:
Ensures that each execution detail record is linked to a volunteer, making volunteer information essential for each distribution record.
Execution Detail to Task: Ensures that each execution detail record is linked to a task, making task information essential for each distribution record.
Lookup Relationships:
Task to Drop-Off Point: Connects tasks to drop-off points, providing context on where each task is executed.
Task to Volunteer: Connects tasks to volunteers, enabling tracking of which volunteer is responsible for each task.
Drop-Off Point to Venue: Links drop-off points to venues, facilitating a detailed understanding of where food is being dropped off.
Sharing Rules

To ensure that records are shared appropriately based on distance criteria, the following sharing rules were set up:
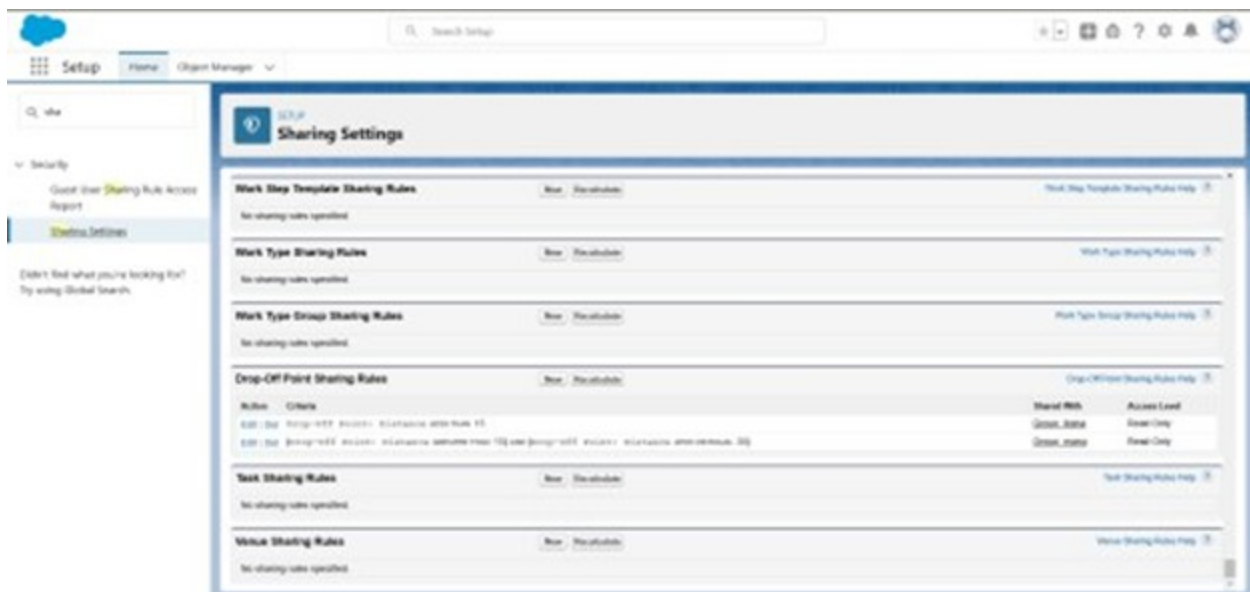Rule 1:

Label: Rule 1

Criteria: Records where the distance is less than 15 km

Access: Shared with Public Group - Iksha
Rule 2:

Label: Rule 2

Criteria: Records where the distanceis between 15 km and 30 km ∎

Access: Shared with Public Group - NSS



2.4 Flow and Dashboard
Flow: Venue Flow
Purpose: To manage and capture detailedinformation related to food drop-off points.
Components:
Text Component: For entering the venue name.
 Email Component: For entering the contact email of the venue.
 Phone Component: For entering the contact phone number of the venue.○
 Text Component: For entering the venue location.
 Number Components: For entering latitudeand longitude valuesof the venue.

Dashboard:

Name: Organization Details

 Components.

Lightning Table: Displays detailed information about venues and drop-off

points, facilitating a comprehensive view of the data.



3.Configuration and Setup Instructions

3.1Creating CustomObjects

1.Drop-Off Point:

- Navigate to ObjectManager > Create> Custom Object.
- Enter details such as the labelname, record name,and other settingsfor Drop Off Point.

2.Task:

- Navigate to Object Manager> Create > Custom Object.

- Enter details such as the label name, record name, and other settings for Task. 3.

3.Volunteer:

- Navigate to Object Manager> Create > Custom Object.

- Enter details such as the label name, record name, and other settingsfor Volunteer.

4.Execution Detail:
Navigate to ObjectManager > Create> Custom Object.

Enter details such as the label name, record name, and other settingsfor Execution Detail.

3.2Sharing Rules Setup

- Go to SharingSettings.
- Define new sharing rules for Drop-Off Point based on distance criteria, ensuring appropriate access for different public groups.
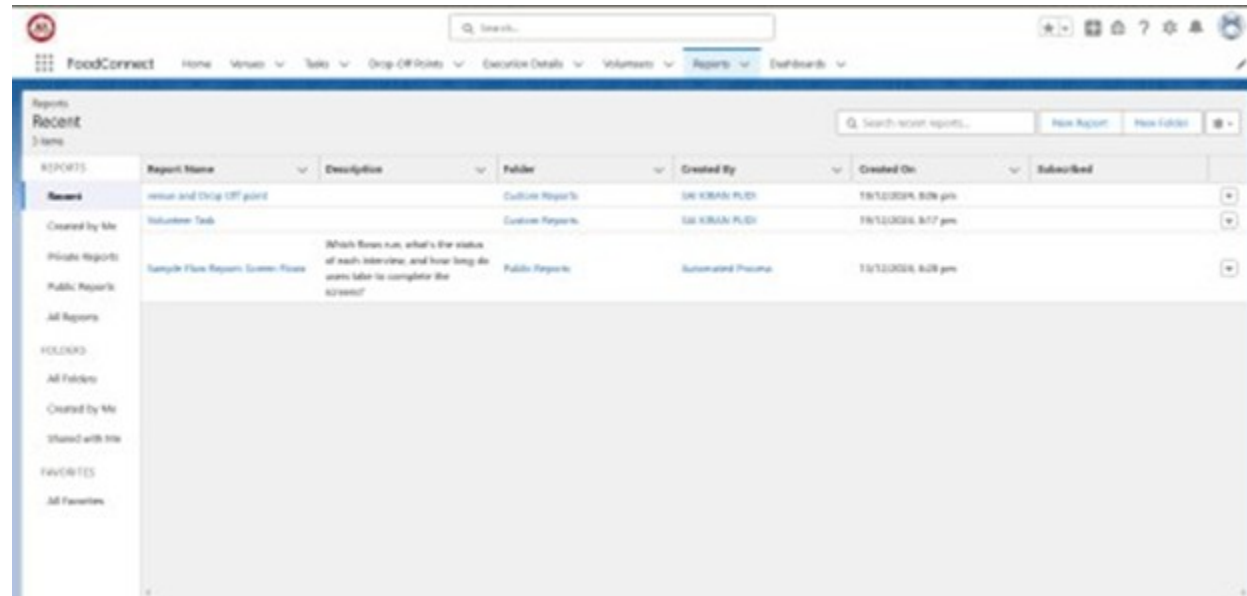
3.3Lightning App Builder

1.Create Home Page:

- Go to Lightning App Builder > New.

- Select Home Page and name it "HOME Page".

- Add Flow and Dashboardcomponents to the page.

2.Save and Activate:

- ○ Click on Save and Activation.

- ○ Set the page as the defaultfor the FoodConnect app.



3.4 Report Types and Dashboards

1.Custom Report Types:
- Create report types for Venue with Drop-Off with Volunteer and Volunteers with Execution Details and Tasks.

2. Reports:
- Generate and configure reportsusing the customreport types to track and analyse relevant data.

3. Dashboards:
- Configure dashboards to visualise data from reportsand other

  components, providing insights into the overall distribution process.

4. Deliverables
- Code Files: Include Apex triggers and any other code implemented.
- Output Screenshots: Provide screenshots of custom objects,flows, dashboards, and reports to illustrate the setup.
- Project Documentation: Detailed descriptions of implemented features, configurations, and setupinstructions.

Project Demonstration Video: A video showcasing the functionality of the application, including key features and processes.