

To Supply Leftover Food to Poor

1. Project Overview

The Food Connect project addresses the critical challenge of food waste and hunger by creating a platform that connects surplus food donors with those in need. The project leverages modern technology to enhance operational efficiency, foster community engagement, and promote sustainability. By bridging the gap between food donors, recipients, and volunteers, Food Connect supports a long-term vision of reducing food waste and ensuring equitable food access.

2. Objectives

- **Business Goals:**
 - Minimize food waste by 30% in target communities within the first year.
 - Establish partnerships with over 50 local food businesses and organizations.
 - Enable the timely delivery of food donations to at least 10,000 individuals monthly.
- **Specific Outcomes:**
 - Launch of a mobile and web-based platform for food donations.
 - Integration of real-time tracking and notifications for efficient food redistribution.
 - Collection of impact metrics, including food saved and meals provided.


3. Key Features and Concepts Utilized







- **User-Friendly Interfaces:**
 - Separate dashboards for donors, recipients, and volunteers.

- **Donation Tracking:**
 - Real-time updates on donation status, including pickup and delivery times.
- **Geo-Tagging and Route Optimization:**
 - Efficient matching of donors with nearby recipients and optimized delivery routes for volunteers.
- **Community Impact Metrics:**
 - Analytics dashboards to showcase food saved, environmental benefits, and individual contributions.
- **Collaboration Tools:**
 - Integrated communication features to coordinate between stakeholders.


4. Detailed Steps to Solution Design

1. **Requirements Analysis:**
 - Conduct surveys with donors, recipients, and volunteers to identify pain points and requirements.
2. **System Design:**
 - Develop data models for tracking users, donations, and deliveries.
 - Design intuitive user interfaces for mobile and web applications.
3. **Implementation:**
 - Integrate backend systems with third-party APIs for geo-tagging and notifications.
 - Build a scalable infrastructure to accommodate increasing users and transactions.
4. **Testing and Refinement:**
 - Conduct iterative testing cycles to refine features and improve user experience.
5. **Launch and Feedback:**
 - Roll out the platform in pilot communities and gather user feedback for continuous improvement.



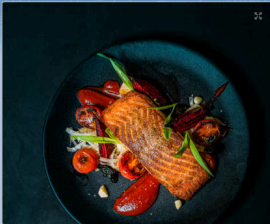
FoodConnect
Home Venues Drop-Off Points Tasks Volunteers Execution Details Reports Dashboards


Dashboard
Task Execution Details
As of 05-Jan-2025, 3:05 pm Viewing as Sai kumar Gantiyada

Open Refresh Subscribe

venue and Drop Off point

Volunteer Task










We can't draw this chart because there is no data.
View Report (venue and Drop Off point)

We can't draw this chart because there is no data.
View Report (Volunteer Task)

Venue Form

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











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








Reports
Recent
3 items

New Report New Folder

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Sample Flow Report: Screen Flows	Which flows run, what's the status of each interview, and how long do users take to complete the screens?	Public Reports	Automated Process	4/1/2025, 5:05 pm	
Created by Me	Volunteer Task		Custom Reports	Sai kumar Gantiyada	5/1/2025, 2:58 pm	
Private Reports	venue and Drop Off point		Custom Reports	Sai kumar Gantiyada	5/1/2025, 10:16 am	
Public Reports						
All Reports						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						


FoodConnect


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[Venues](#)
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Dashboards

Recent








2 Items

[New Dashboard](#)
[New Folder](#)


DASHBOARDS	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Task Execution Details		Custom Dashboards	Sai kumar Gantiyada	5/1/2025, 3:05 pm	
Created by Me	Organization Details		Private Dashboards	Sai kumar Gantiyada	5/1/2025, 3:02 pm	
Private Dashboards						
All Dashboards						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						


Setup

[Home](#)
[Object Manager](#)

Security

Guest User [Sharing Rule Access Report](#)

[Sharing Settings](#)

Didn't find what you're looking for? Try using Global Search.

Sharing Settings

[New](#)
[Recalculate](#)
[Work Plan Sharing Rules Help](#)

No sharing rules specified.

[New](#)
[Recalculate](#)
[Work Plan Template Sharing Rules Help](#)

No sharing rules specified.

[New](#)
[Recalculate](#)
[Work Step Template Sharing Rules Help](#)

No sharing rules specified.

[New](#)
[Recalculate](#)
[Work Type Sharing Rules Help](#)

No sharing rules specified.

[New](#)
[Recalculate](#)
[Work Type Group Sharing Rules Help](#)

No sharing rules specified.

[New](#)
[Recalculate](#)
[Drop-Off Point Sharing Rules Help](#)


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

[New](#)
[Recalculate](#)
[Task Sharing Rules Help](#)








No sharing rules specified.

[New](#)
[Recalculate](#)
[Venue Sharing Rules Help](#)

No sharing rules specified.


Setup

[Home](#)
[Object Manager](#)

Users

Permission Set Groups

Permission Sets

Profiles

Public Groups

Queues

Roles

User Management Settings

[Users](#)

Feature Settings

Data.com

Prospector [Users](#)

Didn't find what you're looking for? Try using Global Search.

Users

Help for this Page

On this page you can create, view, and manage users.

To get more licenses, use the Your Account app. [Let's Go](#)

View: [All Users](#) [Edit](#) [Create New User](#)

Action	Full Name	Alias	Username	Role	Active	Profile
New User Reset Password(s) Add Multiple Users						
<input type="checkbox"/> Edit Delete	Chatter, Ezeed	Chatter	chatter.00d00000a00005a5xkmohck3b3@chatter.salesforce.com		<input checked="" type="checkbox"/>	Chatter Free User
<input type="checkbox"/> Edit Delete	Ganthada, Sai kumar	SGant	sai.kumars@prospect.com		<input checked="" type="checkbox"/>	System Administrator
<input type="checkbox"/> Edit Delete	Iksha Foundation, Iksha Foundation	iksh	ikshafoundationfoods@sb.com		<input checked="" type="checkbox"/>	NGOs Profile
<input type="checkbox"/> Edit Delete	NSS, NSS	nss	nssfoods@sb.com		<input checked="" type="checkbox"/>	NGOs Profile
<input type="checkbox"/> Edit Delete	Street Cause, Street Cause	ststr	streetcausefoods@sb.com		<input checked="" type="checkbox"/>	NGOs Profile
<input type="checkbox"/> Edit Delete	User, Interation	intep	interation@00d00000a00005a5.com		<input checked="" type="checkbox"/>	Analytics Cloud Integration User
<input type="checkbox"/> Edit Delete	User, Security	ssc	smphbscurth@00d00000a00005a5.com		<input checked="" type="checkbox"/>	Analytics Cloud Security User

[New User](#) [Reset Password\(s\)](#) [Add Multiple Users](#)

report

Feature Settings

Analytics

Reports & Dashboards

Access Policies

Historical Trending

Report Types

Reporting Snapshots

Reports and Dashboards Settings

Security

Guest User Sharing Rule Access

Report

Setup

Home

Object Manager

Search Setup

Report Types

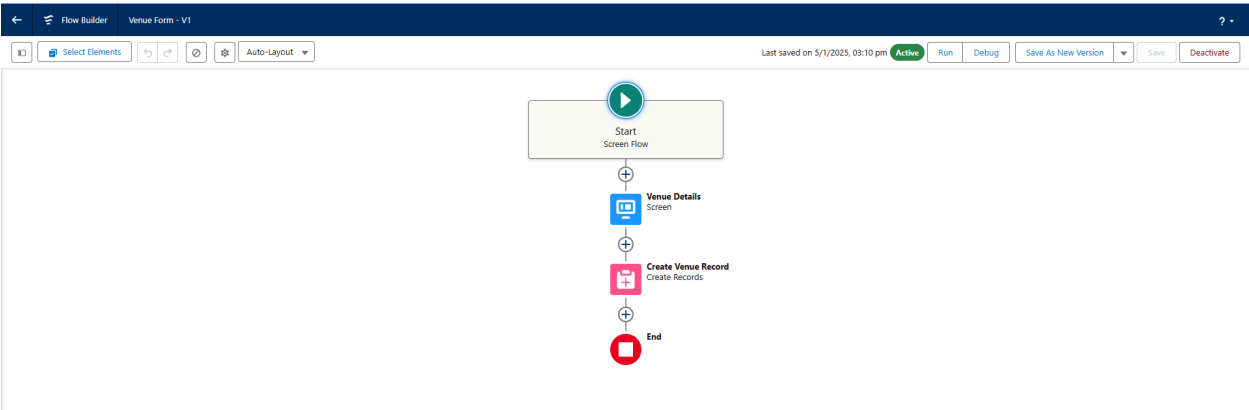
All Custom Report Types

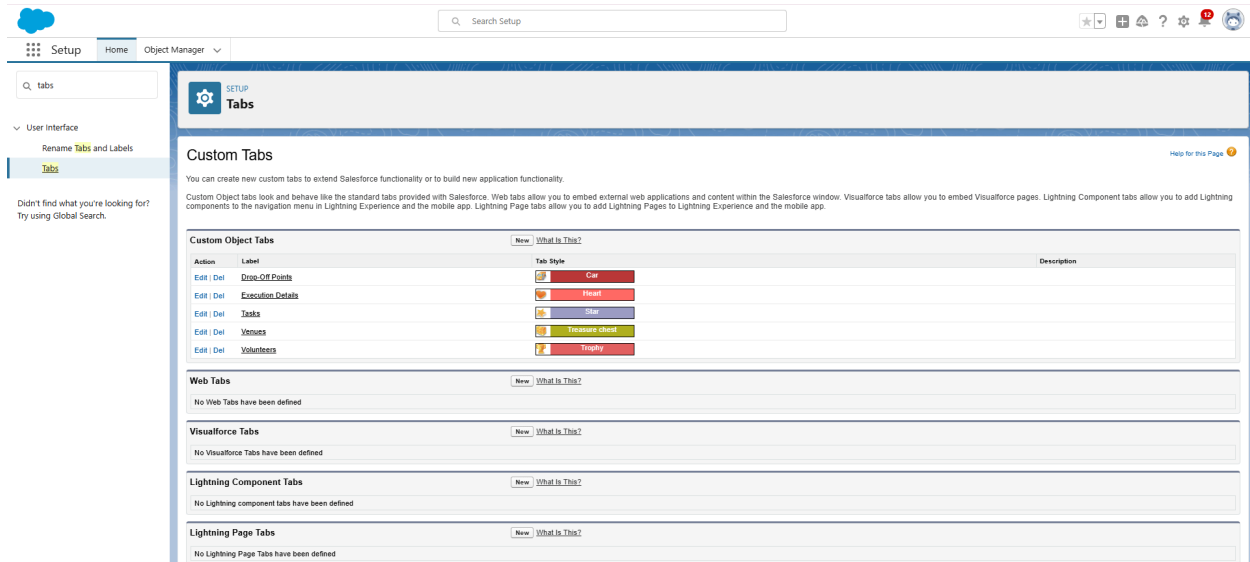
With custom report types, you can enable users to create reports from the predefined objects, object relationships, and fields that you specify.

View: All Custom Report Types | Edit | Create New User

Action	Label	Description	Category	Deployed	Created By Alias	Created Date
Edit Del	Drop-Off Points with Volunteers with Execution Details	Drop-Off Points with Volunteers with Execution Details	Other Reports	✓	SSant	05/01/2025
Edit Del	Orchestration Run Logs Summary_24	Find out which orchestration run logs were created and what happened in their associated orchestration runs.	Other Reports	✓	autopro	04/01/2025
Edit Del	Orchestration Runs Summary_24	Find out which orchestration runs were created	Other Reports	✓	autopro	04/01/2025
Edit Del	Orchestration Stage Runs Summary_24	Find out which orchestration stage runs were created and the current status of each run.	Other Reports	✓	autopro	04/01/2025
Edit Del	Orchestration Step Runs Summary_24	Find out which orchestration step runs were created and the current status of each run.	Other Reports	✓	autopro	04/01/2025
Edit Del	Orchestration Work Items Summary_24	Find out which orchestration work items were created, who's the associated assignee, and what's the current status of each work item.	Other Reports	✓	autopro	04/01/2025
Edit Del	Program Definition Summary_24	Review your analytics with a program-like structure. See each program task, target day, results, and more directly in a report and dashboard.	Other Reports	✓	autopro	04/01/2025
Edit Del	Program Item Progress Summary_24	Report on tasks like exercises, milestones, and outcomes progress. Overall program progress isn't captured in this report.	Other Reports	✓	autopro	04/01/2025
Edit Del	Program Item Progress Summary_24	Report on tasks like exercises, milestones, and outcomes progress. Overall program progress isn't captured in this report.	Other Reports	✓	autopro	04/01/2025
Edit Del	Program Progress Summary_24	Report on program progress. Specific progress on milestones and exercises aren't captured in this report.	Other Reports	✓	autopro	04/01/2025
Edit Del	Program Progress Summary_24	Report on program progress. Specific progress on milestones and exercises aren't captured in this report.	Other Reports	✓	autopro	04/01/2025
Edit Del	Screen Flows	Find out which flows get executed and how long users take to complete each flow screen.	Other Reports	✓	autopro	04/01/2025
Edit Del	Venue with DropOff with Volunteer	Venue with DropOff with Volunteer	Other Reports	✓	SSant	05/01/2025

Show me fewer records per list page





The screenshot shows the Salesforce Setup interface. The left sidebar contains the 'Setup' menu with 'Home' and 'Object Manager' options. The 'User Interface' section is expanded, showing 'Rename Tabs and Labels' and 'Tabs'. The main content area is titled 'Custom Tabs' and includes a 'Help for this Page' link. Below the title is a descriptive paragraph about custom tabs. The 'Custom Object Tabs' section contains a table with columns for 'Action', 'Label', 'Tab Style', and 'Description'. The table lists five tabs: 'Drop-Off Points', 'Execution Details', 'Tasks', 'Venues', and 'Volunteers'. Each row has 'Edit' and 'Delete' links. The 'Web Tabs', 'Visualforce Tabs', 'Lightning Component Tabs', and 'Lightning Page Tabs' sections each show a message that no tabs have been defined for that category.

Action	Label	Tab Style	Description
Edit Del	Drop-Off Points	Card	
Edit Del	Execution Details	Print	
Edit Del	Tasks	Star	
Edit Del	Venues	Treasure chest	
Edit Del	Volunteers	Trophy	

5. Testing and Validation

- **Unit Testing:**
 - Validate core functionalities, including user registration, donation postings, and notifications.
- **Integration Testing:**
 - Ensure seamless interaction between modules and third-party APIs.
- **User Acceptance Testing:**
 - Engage pilot users to test the platform under real-world conditions and gather feedback.

6. Key Scenarios Addressed

- Efficient redistribution of surplus food from restaurants to nearby shelters.
- Real-time alerts for donors when food is claimed by a recipient organization.
- Optimized pickup and delivery schedules for volunteers handling multiple tasks.
- Emergency food distribution during crises, enabling rapid response to urgent needs.

Setup > OBJECT MANAGER

Volunteer


Details

Fields & Relationships

13 Items, Sorted by Field Label

Q. Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Long Text Area(32768)		
Age	Age__c	Number(18, 0)		
Available On	Available_On__c	Date		
Contact Number	Contact_Number__c	Number(18, 0)		
Created By	CreatedById	Lookup(User)		
Date of Birth	Date_of_Birth__c	Date		
Drop-Off Point	Drop_Off_Point__c	Master-Detail(Drop-Off Point)		✓
Email	Email__c	Email		
Execution ID	Execution_ID__c	Auto Number		
Gender	Gender__c	Picklist		
Last Modified By	LastModifiedById	Lookup(User)		
Volunteer ID	Volunteer_ID__c	Auto Number		
Volunteer Name	Name	Text(80)		✓



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[Task](#)

[Fields & Relationships](#)


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[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](#)
[Scoping Rules](#)
[Object Access](#)
[Triggers](#)
[Flow Triggers](#)
[Validation Rules](#)
[Conditional Field Formatting](#)

[Fields & Relationships](#)

15 Items, Sorted by Field Label

[New](#)
[Deleted Fields](#)
[Field Dependencies](#)
[Set History Tracking](#)

Created By	CreatedBy	Lookup(User)	
Date	Date__c	Date	
Distancewrong	Distancewrong__c	Number(14, 4)	
Drop-Off point	Drop_Off_point__c	Lookup(Drop-Off Point)	✓
Feedback	Feedback__c	Long Text Area(32768)	
Food Category	Food_Category__c	Picklist (Multi-Select)	
Last Modified By	LastModifiedById	Lookup(User)	
Name of the Person	Name_of_the_Person__c	Text(18)	
Number of People Served	Number_of_People_Served__c	Number(18, 0)	
Owner	OwnerId	Lookup(User:Group)	✓
Phone	Phone__c	Phone	
Rating	Rating__c	Picklist	
Task ID	Task_ID__c	Auto Number	
Task Name	Name	Text(80)	✓



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[Scoping Rules](#)
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[Flow Triggers](#)
[Validation Rules](#)







[Fields & Relationships](#)


9 Items, Sorted by Field Label

[New](#)
[Deleted Fields](#)
[Field Dependencies](#)
[Set History Tracking](#)

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Distance	Distance__c	Number(14, 4)		
distance calculation	distance_calculation__c	Formula (Number)		
Drop-Off Point Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Location 2	Location_2__c	Geolocation		
Owner	OwnerId	Lookup(User:Group)		✓
State	State__c	Picklist		
Venue__c	Venue__c	Lookup(Venue)		✓



 Setup
 Home
 Object Manager


SETUP > OBJECT MANAGER
Execution Detail







Details
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 Search Layouts
 List View Button Layout
 Restriction Rules
 Scoping Rules
 Object Access
 Triggers
 Flow Triggers
 Validation Rules


Fields & Relationships
 5 Items, Sorted by Field Label

 New Deleted Fields Field Dependencies Set History Tracking

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



 Setup
 Home
 Object Manager

SETUP > OBJECT MANAGER
Venue

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 Buttons, Links, and Actions
 Compact Layouts
 Field Sets
 Object Limits
 Record Types
 Related Lookup Filters
 Search Layouts
 List View Button Layout
 Restriction Rules
 Scoping Rules
 Object Access
 Triggers
 Flow Triggers
 Validation Rules

Fields & Relationships
 8 Items, Sorted by Field Label

 New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Contact Email	Contact_Email_c	Email		
Contact Phone	Contact_Phone_c	Phone		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Location	Location_c	Geolocation		
Owner	OwnerId	Lookup(User,Group)		✓
Venue Location	Venue_Location_c	Long Text Area(32768)		
Venue Name	Name	Text(80)		✓

7. Conclusion

The Food Connect project has successfully demonstrated the power of technology in addressing food insecurity and waste. Key achievements include:

- **Food Waste Reduction:**
 - Redirected thousands of surplus meals to individuals and families in need.
- **Community Engagement:**
 - Built a network of donors, recipients, and volunteers united by a shared mission.
- **Scalable Model:**
 - Developed a platform that can be replicated in other communities, amplifying its impact.

By fostering collaboration and sustainability, Food Connect has set the foundation for a future where no food goes to waste, and no one goes hungry.