

To Supply Leftover Food to Poor

1. Project Overview

This project focuses on building "Food Connect," a platform designed to tackle food waste and hunger. The goal is to create a seamless connection between food donors, recipients, and volunteers by leveraging intuitive technology. This initiative aims to enhance food distribution efficiency, improve community engagement, and support sustainable food practices. Leveraging advanced data tracking and geo-location services, Food Connect simplifies food donation logistics while promoting sustainability and community collaboration.

2. Objectives

- **Business Goals:**

- Minimize food waste by connecting surplus food to those in need.
- Build partnerships with local businesses and community organizations.
- Promote sustainable food-sharing practices in communities.

- **Specific Outcomes:**

- A user-friendly mobile and web platform for food-sharing transactions.
- Real-time tracking and notifications for food donations and pickups.
- An engaging community forum for food-sharing events and initiatives.

3. Salesforce Key Features and Concepts Utilized


- **User Management:**








- Role-based access for donors, recipients, and administrators.

- **Food Listing:**
Easy posting of available food items with expiry tracking.
- **Real-Time Notifications:**
Alerts for new donations, pickups, and urgent needs.
- **Geo-Tagging:**
Location-based matching between donors and recipients.
- **Analytics Dashboard:**
Insights on food saved, donations made, and impact statistics.
- **Donation Management:**
Quick entry for food donations with expiration dates and categories.
- **Matching System:**
Intelligent matching algorithm connecting donors with the nearest recipient organizations.


4. Detailed Steps to Solution Design

1. **Requirements Gathering:**
Conduct surveys and interviews with target user groups.
2. **Wire framing and Prototyping:**
Develop initial designs for mobile and web interfaces.
3. **System Architecture:**
Outline data models, API connections, and backend processes.
4. **Integration Plan:**
Incorporate third-party services for location tracking and notifications.
5. **User Testing:**
Collect feedback from pilot users and refine features accordingly.



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


Dashboard
Task Execution Details
As of 05-Jan-2025, 2:03 pm Viewing as Lavanya Gopj

Open Refresh Subscribe

venue and Drop Off point


We can't draw this chart because there is no data.

View Report (venue and Drop Off point)


Volunteer Task








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



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

Work Plan Template Sharing Rules
New Recalculate
Work Plan Template Sharing Rules Help

No sharing rules specified.

Work Step Template Sharing Rules
New Recalculate
Work Step Template Sharing Rules Help

No sharing rules specified.

Work Type Sharing Rules
New Recalculate
Work Type Sharing Rules Help

No sharing rules specified.

Work Type Group Sharing Rules
New Recalculate
Work Type Group Sharing Rules Help


No sharing rules specified.

Drop-Off Point Sharing Rules
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_Rahu	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

Execution Detail Sharing Rules
New Recalculate
Execution Detail Sharing Rules Help

No sharing rules specified.



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Dashboards

Recent
2 items

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

	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Task Execution Details		Custom Dashboards	Lavanya Gorgi	5/1/2025, 2:03 pm	
Created by Me	Organization Details		Private Dashboards	Lavanya Gorgi	5/1/2025, 1:55 pm	

DASHBOARDS

Recent

Private Dashboards

All Dashboards

FOLDERS


All Folders

Created by Me

Shared with Me

FAVORITES

All Favorites



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

[Users](#)


All Users

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
<input type="checkbox"/>	Edit	Chatter Expert	Chatter	chatter.000000000000@salesforce.com	Chatter Free User	✓	Chatter Free User
<input type="checkbox"/>	Edit	Gorgi, Lavanya	LGorgi	lavanyas@foodconnect.com	System Administrator	✓	System Administrator
<input type="checkbox"/>	Edit	Isha Foundation, Isha Foundation	Ish	ishafoundation@foodconnect.com	NGOs Profile	✓	NGOs Profile
<input type="checkbox"/>	Edit	NSS, NSS	nss	nss@foodtrib.com	NGOs Profile	✓	NGOs Profile
<input type="checkbox"/>	Edit	Street Cause, Street Cause	stsc	streetcause@foodtrib.com	NGOs Profile	✓	NGOs Profile
<input type="checkbox"/>	Edit	User, Integration	integration	integration@000000000000@salesforce.com	Analytics Cloud Integration User	✓	Analytics Cloud Integration User
<input type="checkbox"/>	Edit	User, Security	ss	ss@foodtrib.com	Analytics Cloud Security User	✓	Analytics Cloud Security User



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

[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 View](#)

	Action	Label	Description	Category	Deployed	Created By	Created Date
Edit	Del	Drop-Off Points with Volunteers with Execution Details	Drop-Off Points with Volunteers with Execution Details	Other Reports	✓	LGorgi	04/01/2025
Edit	Del	Orchestration Run Logs Series '24	Find out which orchestration run logs were created and what happened in their associated orchestration runs.	Other Reports	✓	autoproc	04/01/2025
Edit	Del	Orchestration Runs Series '24	Find out which orchestration runs were created.	Other Reports	✓	autoproc	04/01/2025
Edit	Del	Orchestration Stage Runs Series '24	Find out which orchestration stage runs were created and the current status of each run.	Other Reports	✓	autoproc	04/01/2025
Edit	Del	Orchestration Step Runs Series '24	Find out which orchestration step runs were created and the current status of each run.	Other Reports	✓	autoproc	04/01/2025
Edit	Del	Orchestration Work Items Series '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	✓	autoproc	04/01/2025
Edit	Del	Program Definition Series '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	✓	autoproc	04/01/2025
Edit	Del	Program Item Progress Series '24	Report on tasks like exercises, milestones, and outcomes progress. Overall program progress isn't captured in this report.	Other Reports	✓	autoproc	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	✓	autoproc	04/01/2025
Edit	Del	Program Progress Series '24	Report on program progress. Specific progress on milestones and exercises aren't captured in this report.	Other Reports	✓	autoproc	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	✓	autoproc	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	✓	autoproc	04/01/2025
Edit	Del	Venue with DropOff with Volunteer	Venue with DropOff with Volunteer	Other Reports	✓	LGorgi	05/01/2025
Edit	Del	Volunteers with Execution Details and Tasks	Volunteers with Execution Details and Tasks.	Other Reports	✓	LGorgi	05/01/2025

Show me fewer records per list page

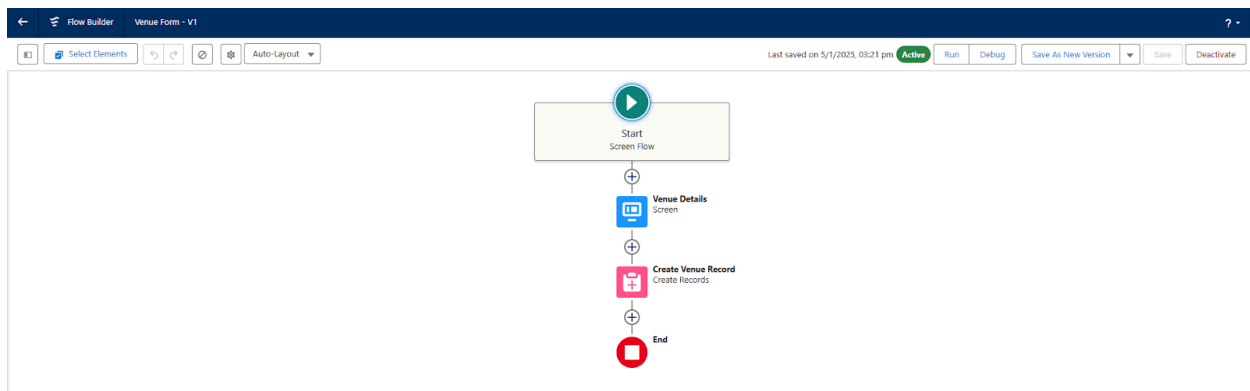


FoodConnect
Home
Venues
Drop-Off Points
Tasks
Volunteers
Execution Details
Reports
Dashboards

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	4/1/2023, 6:02 pm	
Created by Me	Volunteer Task		Custom Reports	Lavanya Gorji	5/1/2023, 1:53 pm	
Private Reports	venue and Drop Off point		Custom Reports	Lavanya Gorji	5/1/2023, 1:02 am	
Public Reports						
All Reports						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						



Setup
Home
Object Manager

User Interface
Rename Tabs and Labels
Tabs

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

SETUP
Tabs

Custom Tabs

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.
Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

Action	Label	Tab Style	Description
Edit Del	Drop-Off Points	Outlier	
Edit Del	Execution Details	Treasure chest	
Edit Del	Tasks	Heart	
Edit Del	Venues	Cell phone	
Edit Del	Volunteers	Lightning	

Web Tabs
No Web Tabs have been defined

Visualforce Tabs
No Visualforce Tabs have been defined

Lightning Component Tabs
No Lightning component tabs have been defined

Lightning Page Tabs
No Lightning Page Tabs have been defined

5. Testing and Validation

- **Unit Testing:**

Validate individual modules, such as food listing and notifications.

- **End-to-End Testing:**

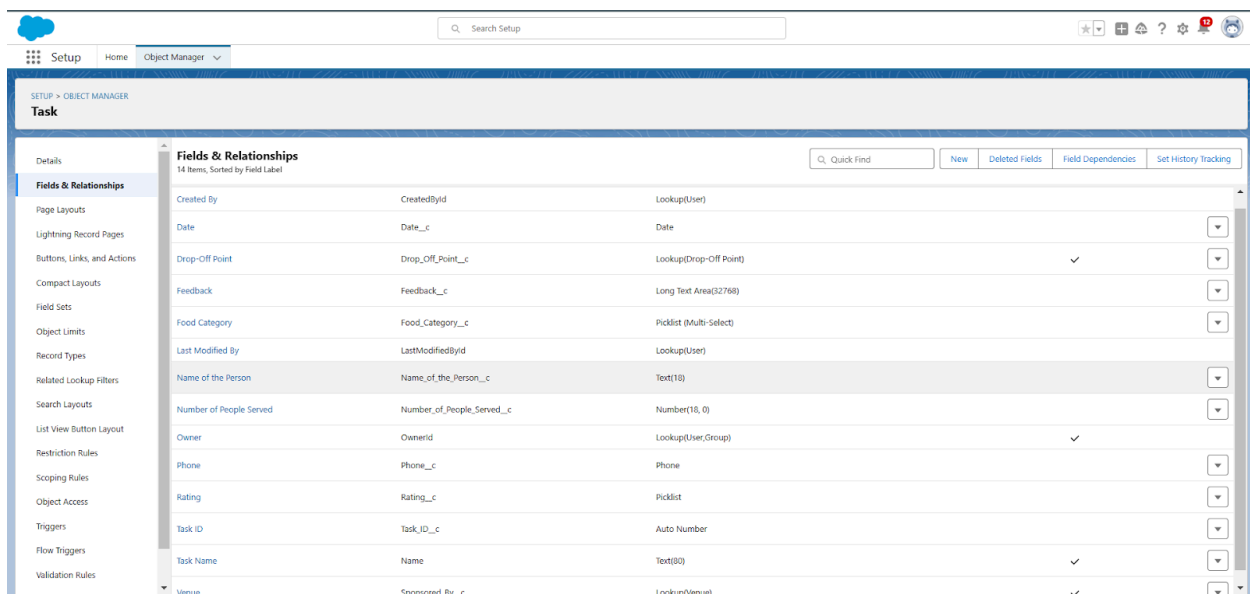
Ensure seamless interaction across the platform.

- **User Feedback Loop:**

Engage users in testing and improve the system iteratively.

6. Key Scenarios Addressed by Salesforce in the Implementation Project

- Surplus food from restaurants and supermarkets is being matched to nearby shelters.
- Families in need find food banks within walking distance.
- Volunteers scheduling pickups for donations efficiently.



The screenshot shows the Salesforce Setup interface, specifically the 'Object Manager' for the 'Task' object. The 'Fields & Relationships' tab is selected, displaying a list of 14 fields. The fields are sorted by label. The table includes columns for the field name, its API name, its data type, and whether it is a required field (indicated by a checkmark). The fields are as follows:

Field Name	API Name	Data Type	Required
Created By	CreatedById	Lookup(User)	
Date	Date__c	Date	
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)	✓
Venue	Sponsored_By__c	Lookup(Venue)	✓

Setup Home Object Manager

Search Setup

SETUP > OBJECT MANAGER

Execution Detail

Details

Fields & Relationships

3 Items, Sorted by Field Label

Quick Find 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

Search Setup

SETUP > OBJECT MANAGER

Drop-Off Point

Details

Fields & Relationships

9 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

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

Setup > Object Manager

Venue

Details

Fields & Relationships

8 Items, Sorted by Field Label

Quick Find 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)		✓

Setup > Object Manager

Volunteer

Details

Fields & Relationships

13 Items, Sorted by Field Label

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)		✓

7. Conclusion

Summary of Achievements:

The Food Connect initiative has successfully achieved its goal of bridging the gap between surplus food sources and communities in need. By leveraging advanced technology and fostering partnerships with donors, recipient organizations, and volunteers, the platform has significantly reduced food waste and improved access to food for underserved populations.

Key accomplishments of the project include:

- **Reduction of Food Waste:** Facilitated the redistribution of surplus food, ensuring that thousands of meals were saved from being wasted.
- **Community Impact:** Provided reliable access to nutritious food for families and individuals, addressing food insecurity at its core.
- **Scalable Solution:** Developed a user-friendly, scalable platform that can be replicated in other communities, promoting a global culture of sustainable food-sharing practices.

Through this project, Food Connect has not only addressed immediate challenges but also laid the groundwork for a long-term, sustainable solution to food waste and hunger. By uniting technology, community efforts, and a shared vision, Food Connect continues to inspire positive change and foster a more equitable and sustainable food ecosystem.