

## **Project Title**

### **Food Connect - A Platform to Supply Leftover Food to the Poor**

## **1. Project Overview**

Food Connect is an innovative platform designed to tackle the issue of food wastage by connecting surplus food from restaurants, events, and households to underprivileged communities. By leveraging modern web technologies, the platform ensures effective collection, distribution, and tracking of leftover food, enhancing operational efficiency and addressing a critical societal need.

## **2. Objectives**

### **Business Goals:**

1. Minimize food wastage by redistributing surplus food to those in need.
2. Provide a streamlined interface for donors, volunteers, and organizations.
3. Enhance transparency and accountability in food distribution.

### **Specific Outcomes:**

1. A functional web application with the following features:
  - Venue and Drop-Off point management.
  - Volunteer task assignment and tracking.
  - Reporting and analytics dashboards.
2. Data insights to measure the impact and optimize operations.

## **3. Key Features**

1. **Venue Form:** Captures information about food donation venues.
2. **Tasks Page:** Tracks tasks assigned to volunteers.
3. **Drop-Off Points:** Manages designated locations for food distribution.
4. **Volunteers Page:** Displays volunteer details and their assignments.
5. **Reports Page:** Provides detailed insights on venue and task execution.
6. **Dashboards:** Visualize key metrics such as task execution, organization details, and volunteer contributions.

## **4. Detailed Steps to Solution Design**

### **a. Data Models**

- **Venue:** Includes details about the location, contact, and food type.
- **Task:** Tracks the execution status, assigned volunteers, and drop-off points.
- **Volunteer:** Manages volunteer information and assigned tasks.

## b. User Interface Design

### 1. Home Page:

- Venue form and task execution details (Refer to screenshots from the file).

### 2. Venue Page:

- Manage and list all food donation venues.

### 3. Tasks Page:

- Create and manage tasks for food collection and distribution.

### 4. Drop-Off Points:

- Capture and list points where food will be distributed.

### 5. Volunteers Page:

- Displays volunteer details and assigned tasks.

### 6. Reports Page:

- Venue and task execution reports.
- Flow reports and volunteer task reports.

### 7. Dashboard Page:

- Comprehensive visualization of task execution, organization, and volunteer metrics.

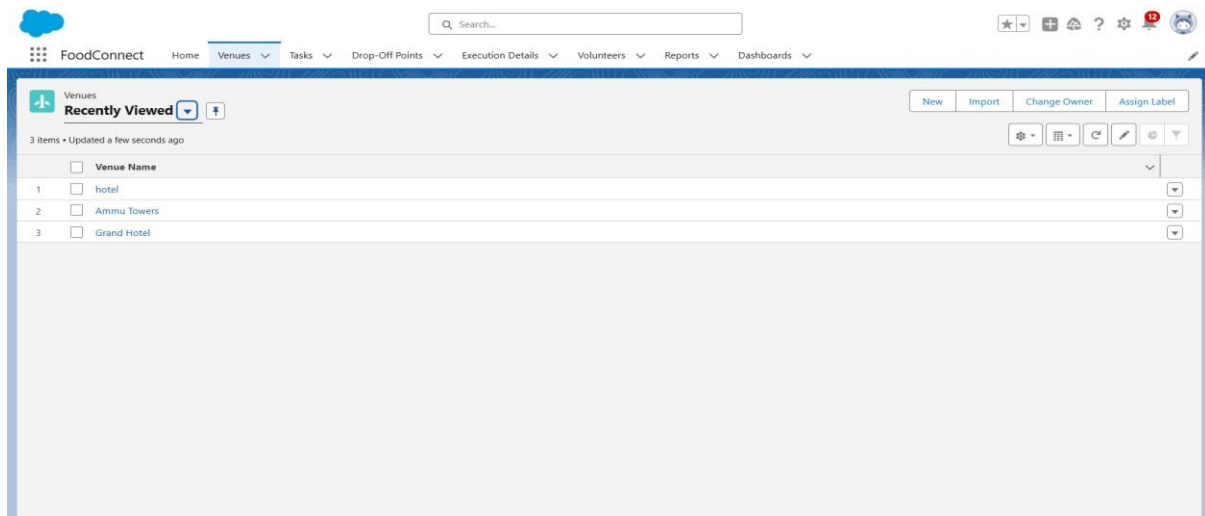
## c. Screenshots :

### HOME PAGE:

It contains the venue form and Task Execution details

The screenshot displays the FoodConnect application interface. At the top, there is a navigation bar with the FoodConnect logo, a search bar, and a menu with options: Home, Venues, Tasks, Drop-Off Points, Execution Details, Volunteers, Reports, and Dashboards. The main content area is divided into two panels. The left panel, titled 'Venue Form', contains input fields for Venue Name, Email (pre-filled with 'you@example.com'), Phone, Venue Location, Latitude, and Longitude, followed by a 'Next' button. The right panel, titled 'Task Execution Details', features a 'View Dashboard' link and a large blue area with a faint world map pattern.

## Venue page:



FoodConnect

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

Search...

Venues

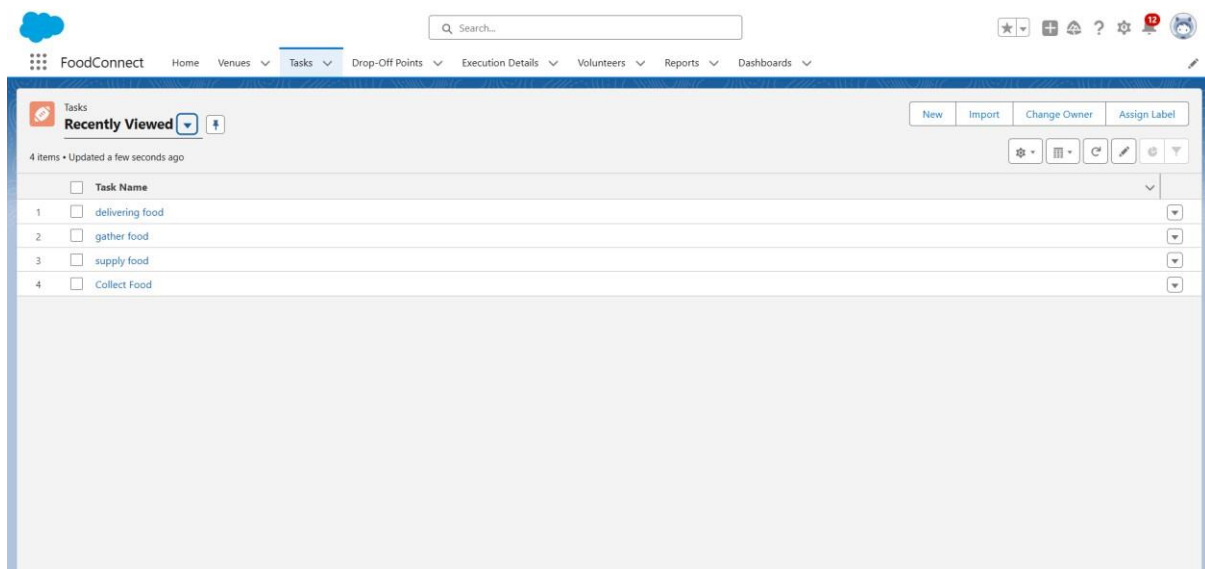
Recently Viewed

3 items • Updated a few seconds ago

New Import Change Owner Assign Label

	<input type="checkbox"/> Venue Name	
1	<input type="checkbox"/> hotel	
2	<input type="checkbox"/> Ammu Towers	
3	<input type="checkbox"/> Grand Hotel	

## Tasks Page:



FoodConnect

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

Search...

Tasks

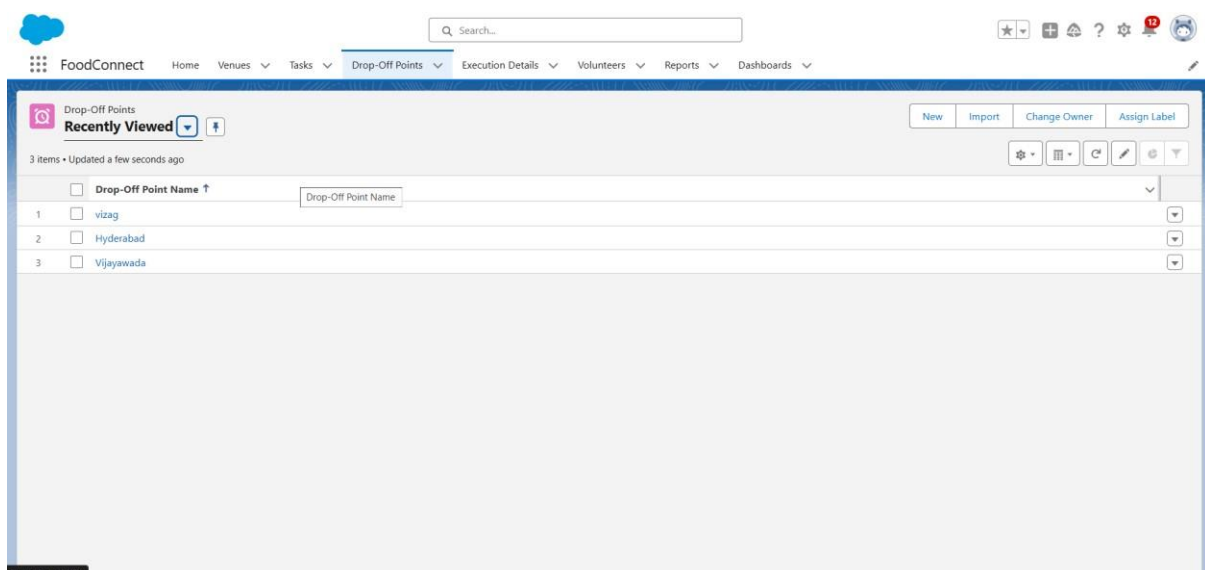
Recently Viewed

4 items • Updated a few seconds ago

New Import Change Owner Assign Label

	<input type="checkbox"/> Task Name	
1	<input type="checkbox"/> delivering food	
2	<input type="checkbox"/> gather food	
3	<input type="checkbox"/> supply food	
4	<input type="checkbox"/> Collect Food	

## Drop-Off points page:



FoodConnect

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

Search...

Drop-Off Points

Recently Viewed

3 items • Updated a few seconds ago

New Import Change Owner Assign Label

	<input type="checkbox"/> Drop-Off Point Name ↑	
1	<input type="checkbox"/> vizag	
2	<input type="checkbox"/> Hyderabad	
3	<input type="checkbox"/> Vijayawada	

Execution Details Page

FoodConnect

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

Search...

Star

Grid

Help

Settings

12

Profile

Execution Details

Recently Viewed

3 items • Updated a few seconds ago

New Import Assign Label

Star

Grid

Copy

Edit

Share

Filter

	Execution Detail Name	
1	<input type="checkbox"/> pujitha	
2	<input type="checkbox"/> Kanchi Keerthika	
3	<input type="checkbox"/> Aswini	

Volunteers Page:

FoodConnect

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

Search...

Star

Grid

Help

Settings

12

Profile

Volunteers

Recently Viewed

3 items • Updated a few seconds ago

New Import Assign Label

Star

Grid

Copy

Edit

Share

Filter

	Volunteer Name	
1	<input type="checkbox"/> Ammu	
2	<input type="checkbox"/> Aswini	
3	<input type="checkbox"/> Pujitha	

Reports Page:

FoodConnect

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

Search...

Star

Grid

Help

Settings

12

Profile

Reports

Recent

3 items

New Report New Folder

Star

Search recent reports...

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	venue and Drop Off point		Custom Reports	kanchi keerthika	15/12/2024, 6:36 pm	
Created by Me	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	15/12/2024, 2:21 pm	
Private Reports	Volunteer Task		Custom Reports	kanchi keerthika	15/12/2024, 6:51 pm	
Public Reports						
All Reports						

FOLDERS

All Folders

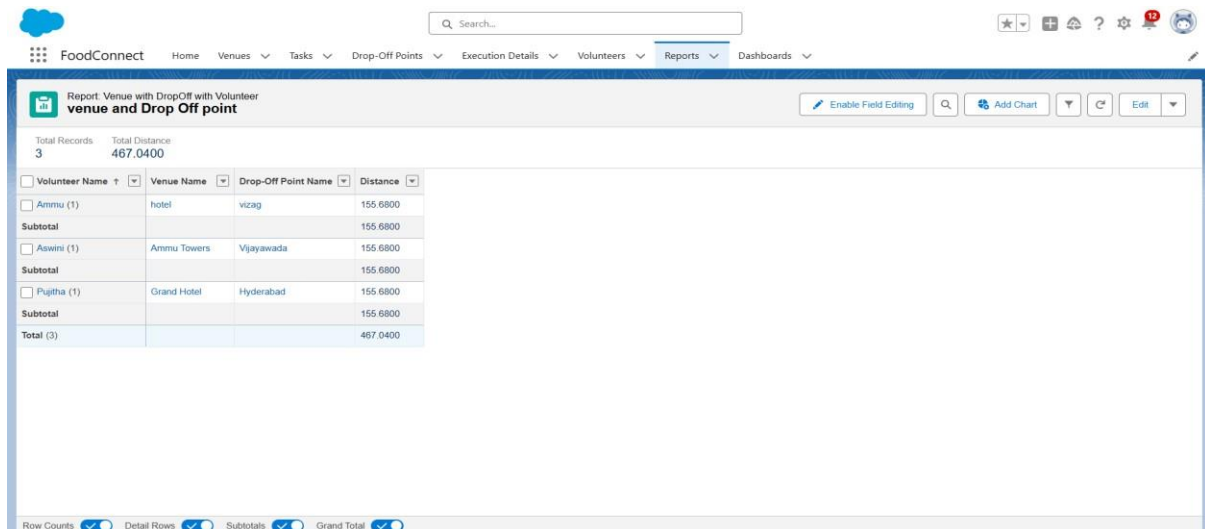
Created by Me

Shared with Me

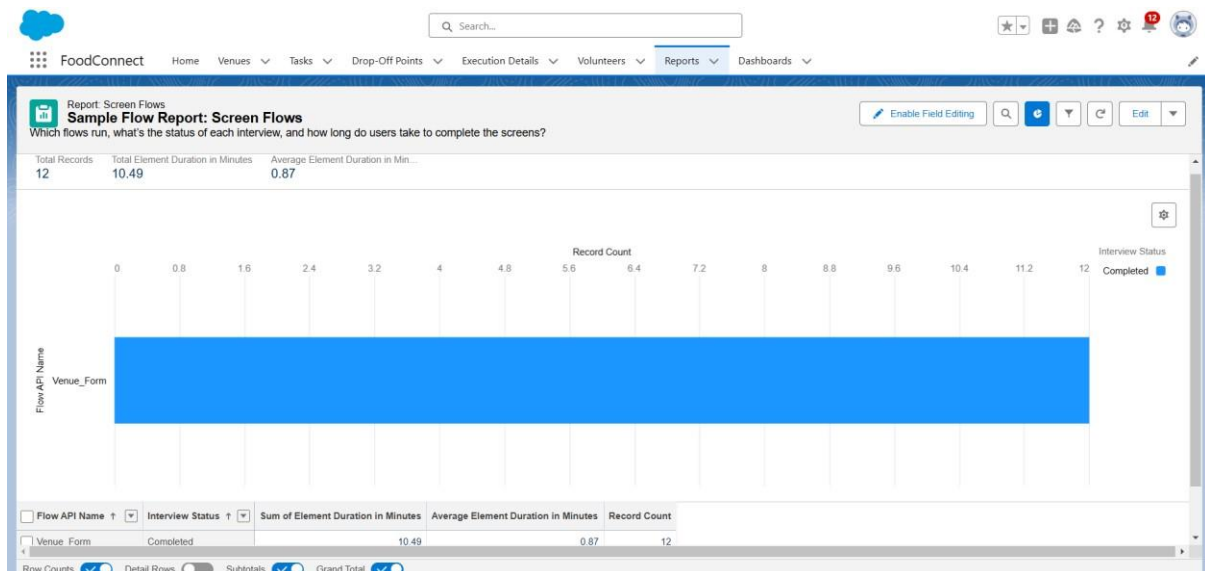
FAVORITES

All Favorites

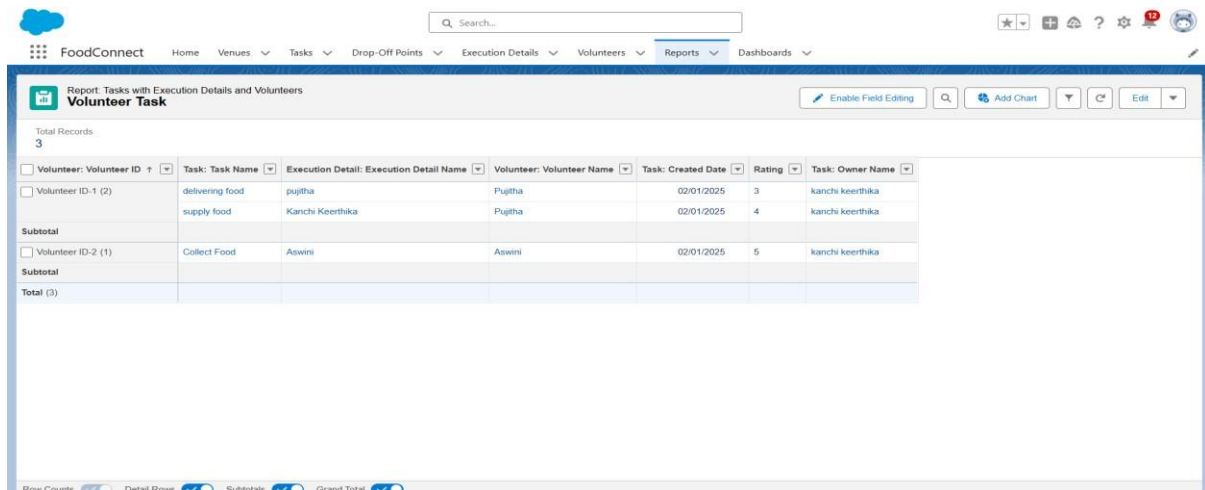
## Venue and drop-Off point report:



## Sample Flow Report screen Flows report:



## Volunteer Task report:



Dashboard Page:

FoodConnect

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

Search...

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Dashboards

Recent

2 items

Q Search recent dashboards...

New Dashboard

New Folder

⚙️

DASHBOARDS

Dashboard Name Description Folder Created By Created On Subscribed

Recent

Task Execution Details Custom Dashboards kanchi keerthika 15/12/2024, 6:58 pm

Created by Me

Organization Details Custom Dashboards kanchi keerthika 15/12/2024, 6:52 pm

Private Dashboards

All Dashboards

FOLDERS

All Folders

Created by Me

Shared with Me

FAVORITES

All Favorites

Task Execution Details Dashboard:

FoodConnect

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

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Dashboard

Task Execution Details

As of 02-Jan-2025, 1:17 pm Viewing as kanchi keerthika

Refresh Edit Subscribe

venue and Drop Off point

Volunteer Task

Venue Name ↑	Drop-Off Point Name	Distance
Ammu Towers	Vijayawada	155.6800
Grand Hotel	Hyderabad	155.6800
hotel	vizag	155.6800

View Report (venue and Drop Off point)

Record Count

2

1

Volunteer ID-1

Volunteer ID-2

Volunteer: Volunteer ID

View Report (Volunteer Task)

Organization Details Dashboard:

FoodConnect

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

Search...

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Dashboard

Organization Details

As of 02-Jan-2025, 1:18 pm Viewing as kanchi keerthika

Refresh Edit Subscribe

venue and Drop Off point

Volunteer Task

Venue Name ↑	Drop-Off Point Name	Distance
Ammu Towers	Vijayawada	155.6800
Grand Hotel	Hyderabad	155.6800
hotel	vizag	155.6800

View Report (venue and Drop Off point)

Record Count

2

1

Volunteer ID-1

Volunteer ID-2

Volunteer: Volunteer ID

View Report (Volunteer Task)

## **5. Testing and Validation**

### **Unit Testing:**

1. Test forms for venues, tasks, and drop-off points.
2. Validate data storage and retrieval for volunteers and reports.

### **User Interface Testing:**

1. Ensure responsive and intuitive design across all pages.
2. Verify accurate data display in reports and dashboards.

## **6. Key Scenarios Addressed**

1. Real-time tracking of food donation and distribution.
2. Assignment of volunteers to specific tasks and drop-off points.
3. Comprehensive reporting for operational transparency.
4. Insights on food wastage reduction and volunteer contributions.

## **7. Conclusion**

### **Summary of Achievements:**

Food Connect successfully bridges the gap between surplus food and the underprivileged by leveraging technology for efficient food redistribution. The platform's user-friendly interface, robust reporting, and comprehensive dashboards ensure transparency, accountability, and a meaningful impact on society.