

**TO SUPPLY LEFT OVER FOOD TO POOR**

**COLLEGE NAME:** Government Arts and Science College for women's, pulliakullam ,cbe  
-45

**COLLEGE CODE:** brubm

**TEAM ID :** NM2025TMID26062

**TEAM MEMBERS**

**TEAM LEADER NAME :** ARUNIKA J

**EMAIL ID:** [04arunika10a@gmail.com](mailto:04arunika10a@gmail.com)

**TEAM MEMBER 1 :** HEMALATHA M

**EMAIL ID :** [pirmilamurugan@gmail.com](mailto:pirmilamurugan@gmail.com)

**TEAM MEMBER 2 :** MAHIMA S

**EMAIL ID :** [mahimasubramaniam07@gmail.com](mailto:mahimasubramaniam07@gmail.com)

**TEAM MEMBER 3 :** NIVITHA M

**EMAIL ID :** [nivitham8@gmail.com](mailto:nivitham8@gmail.com)

# **ABSTRACT**

Food wastage and hunger are two pressing challenges in modern society. Every day, large amounts of edible food from households, restaurants, events, and institutions are discarded, while millions of people struggle without sufficient meals. This project focuses on the collection and redistribution of safe, leftover food to the poor and needy.

The initiative aims to reduce food wastage, address hunger, and promote social responsibility by creating a structured system for food collection, storage, and distribution. Through the support of volunteers, NGOs, community organizations, and food providers, the program ensures that surplus food reaches the right beneficiaries in a timely and hygienic manner. In addition to addressing immediate hunger needs, the project encourages sustainable practices and raises awareness about food security. Ultimately, this effort seeks to build a compassionate and waste-free society where resources are utilized effectively for the well-being of all.

# 1.INTRODUCTION

## 1.1 Project Overview

Food wastage is a critical issue while many people struggle with hunger and malnutrition. Supplying leftover food to the poor is a sustainable initiative aimed at reducing waste, supporting the underprivileged, and building a more compassionate community.

## 1.2 Purpose

The purpose of this project is to minimize food wastage and combat hunger by creating a systematic approach to collect leftover, safe-to-eat food from restaurants, hotels, events, and households, and redistribute it among the poor and needy.

- ☐ Ensure that surplus food is utilized effectively.
- ☐ Provide nutritious meals to underprivileged communities.
- ☐ Promote social responsibility and awareness about food security.
- ☐ Build a sustainable model that encourages community participation in eradicating hunger.

# DEVELOPMENT PHASE

## Creating Developer Account:

By using this URL - <https://www.salesforce.com/form/developer-signup/?d=pb>

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### Build enterprise-quality apps fast and get hands-on with Agentforce and Data Cloud.

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Agentforce

Steps

Select type

Customer Support

#### Sign up for your Developer Edition

A free Salesforce Platform environment with Agentforce and Data Cloud

First name: Amaradi ✓

Last name: Aswini ✓

Job title: Student ✓

Work email: aswiniamaraadi15@gmail.com ✓

Company: Ideal Institute of Tech ✓

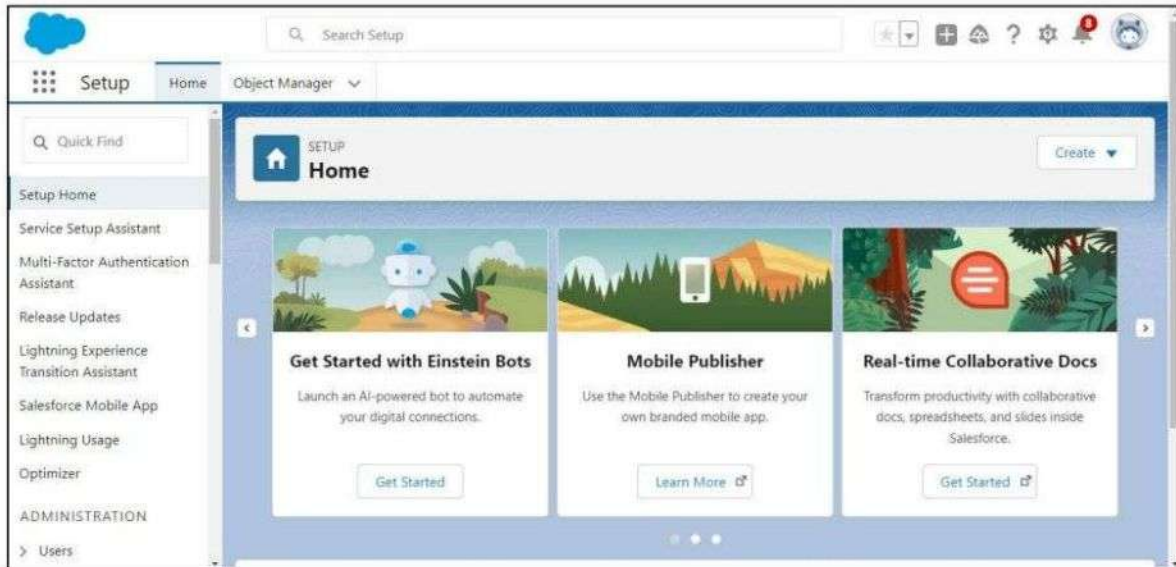
Country / Region: India ✓

Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud infrastructure.

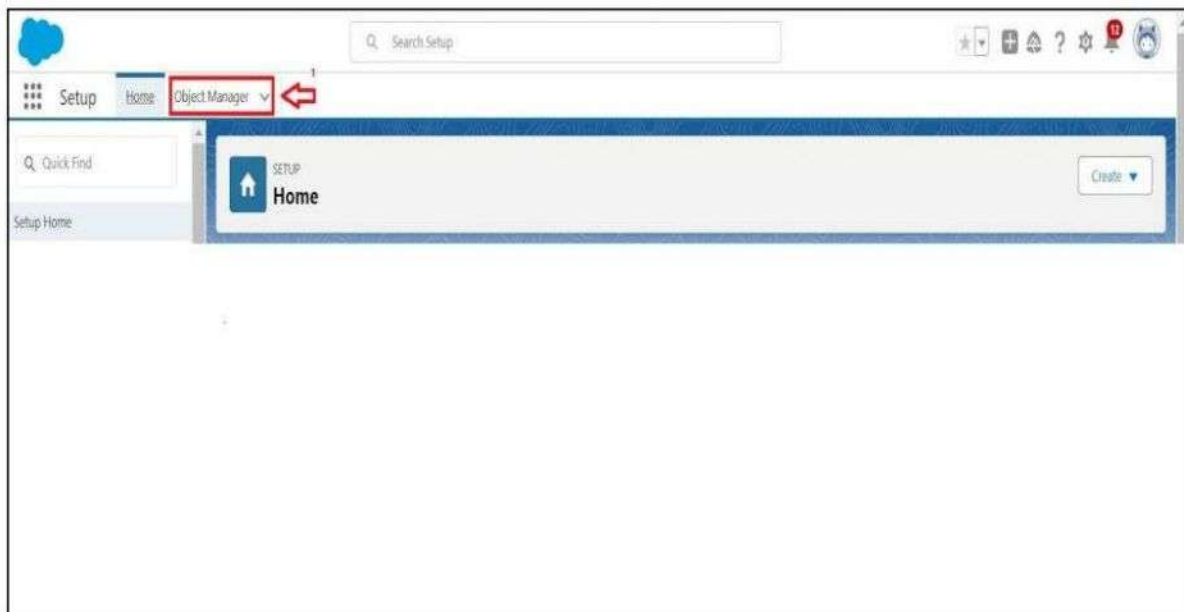
☐ I agree to the Main Services Agreement - Developer Services and Salesforce Program Agreement. I acknowledge, as described in the Developer Documentation, (1) the Developer Edition includes sandboxed and other restricted AI features, and (2) Salesforce may limit use of those features and the org, and may terminate any org that has been inactive for 180 days.

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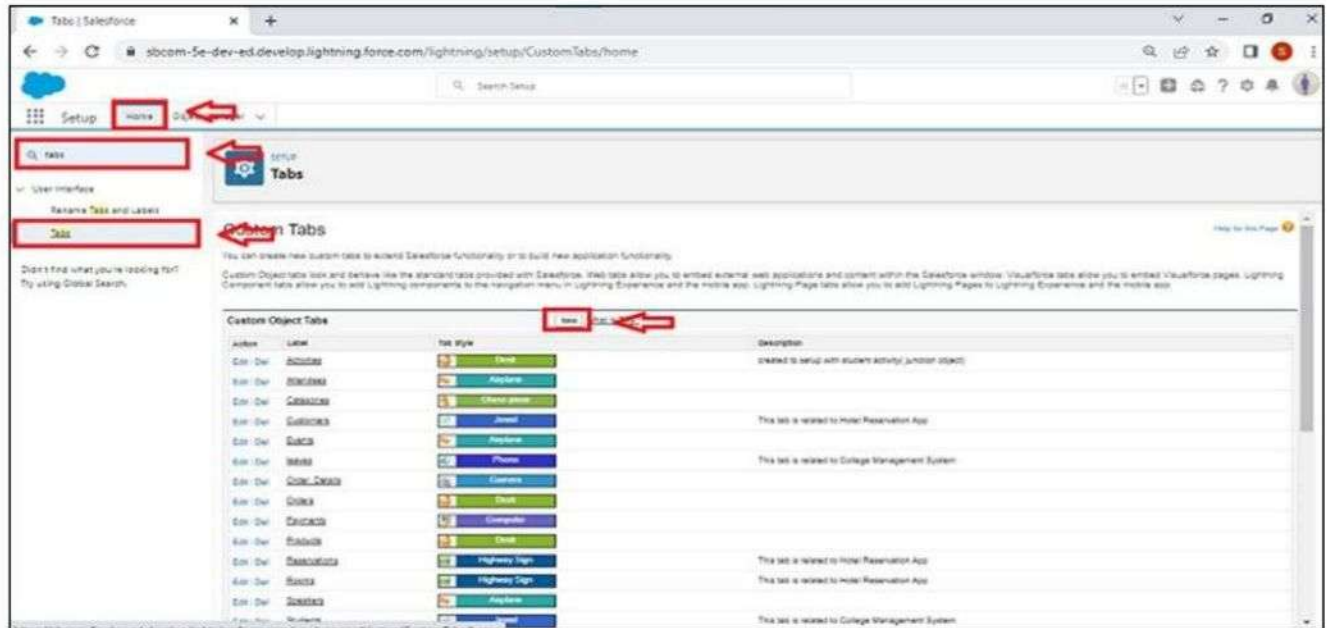
- Created objects: Customer, Item , Customer Order.



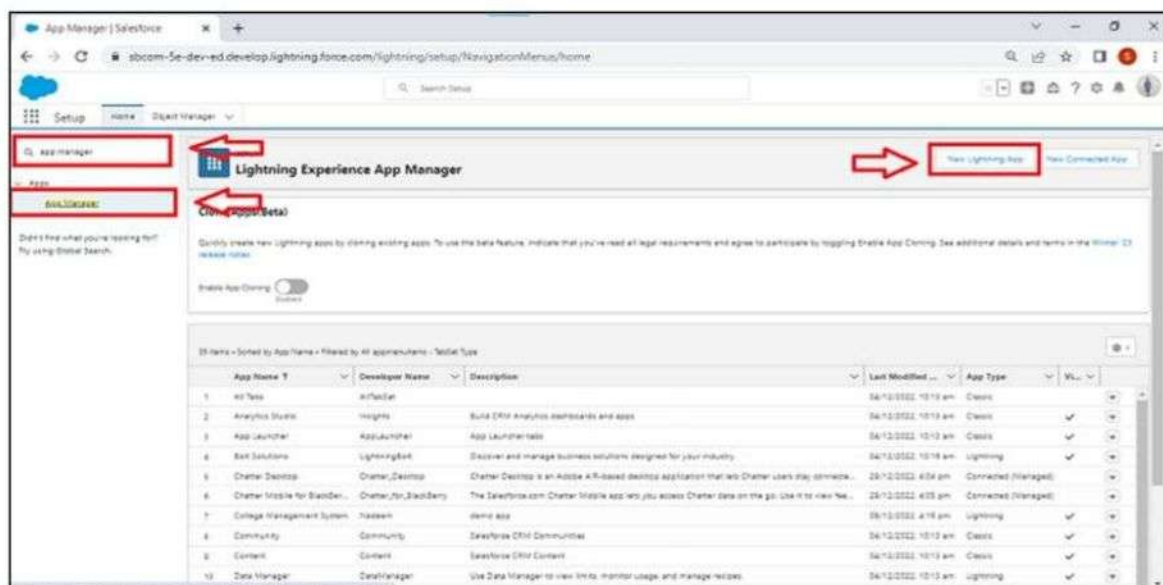
## Object



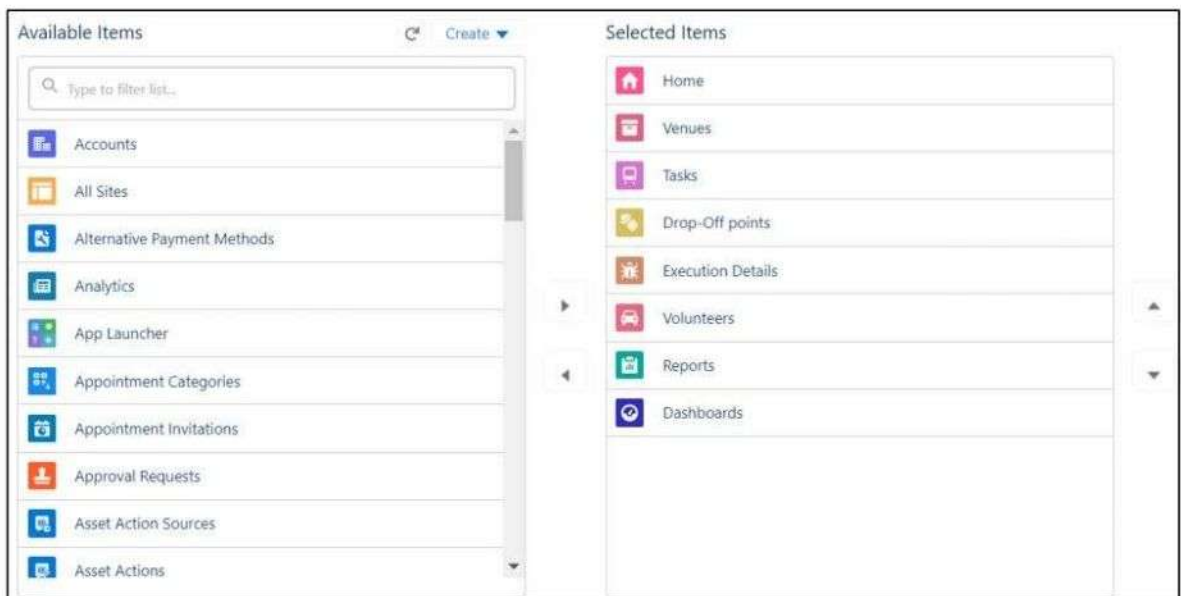
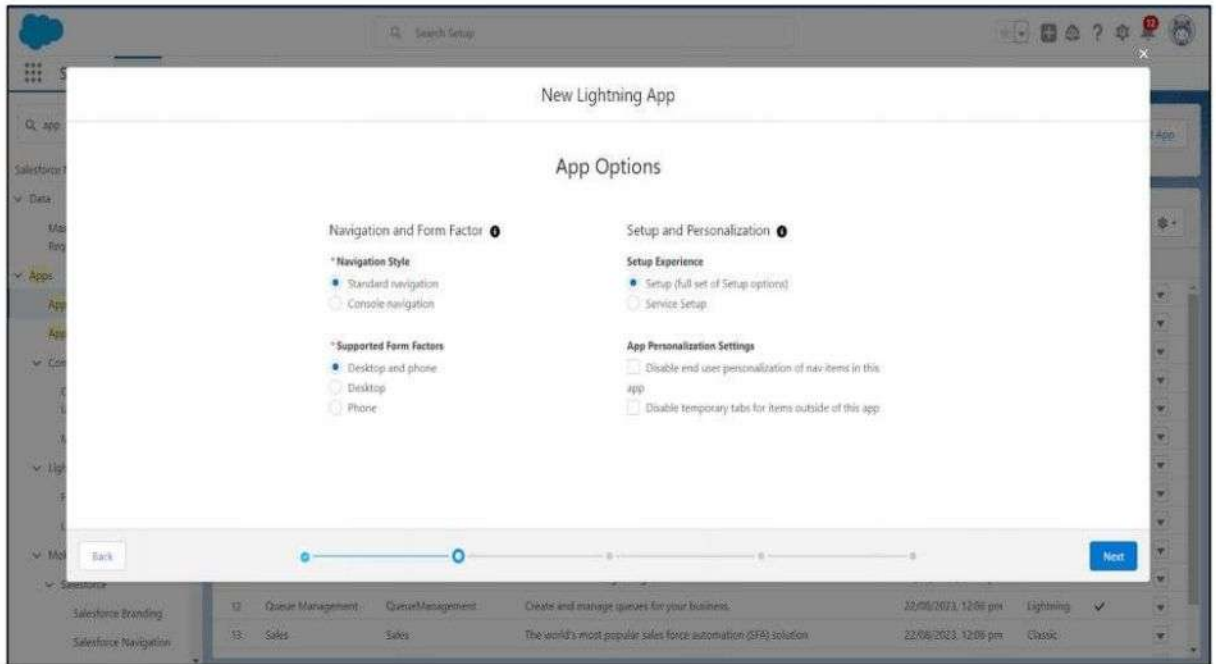
- **Creating a Custom Tab:**

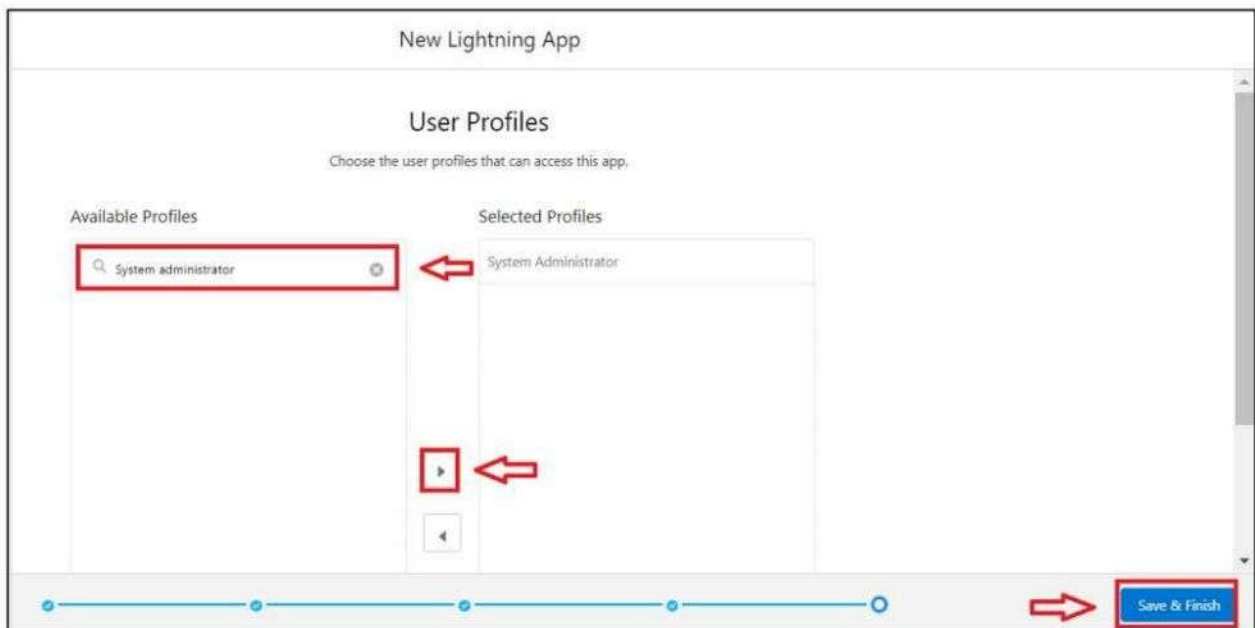


- **Developed Lightning App with relevant tabs**

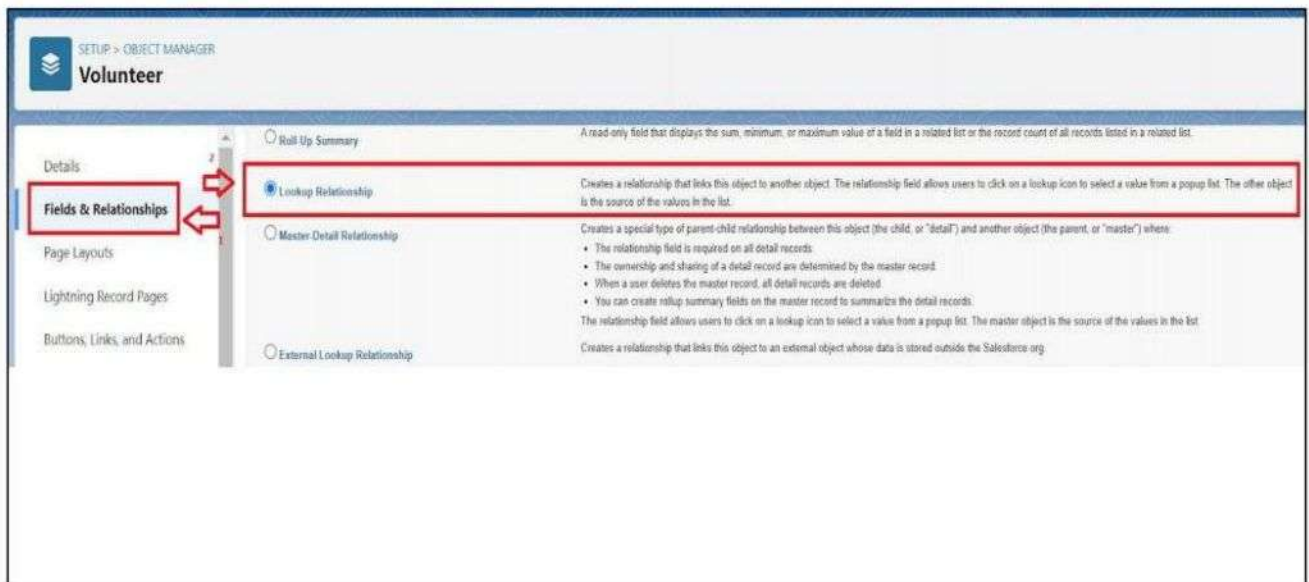








## Creating Lookup Relationship:



Step 2. Choose the related object

Step 2

PreviousNextCancel

Select the other object to which this object is related.

Related To

Drop-Off point

1

Previous

Next

Cancel

2

Formula Options

Formula Return Type

Number

Decimal Places

4

Enter your formula and click Check Syntax to check for errors. Click the Advanced Formula subtab to use additional fields, operators, and functions.

**Example:** Fahrenheit = 1.8 \* Celsius\_c + 32 [More Examples...](#)

Simple Formula

Advanced Formula

Insert Field

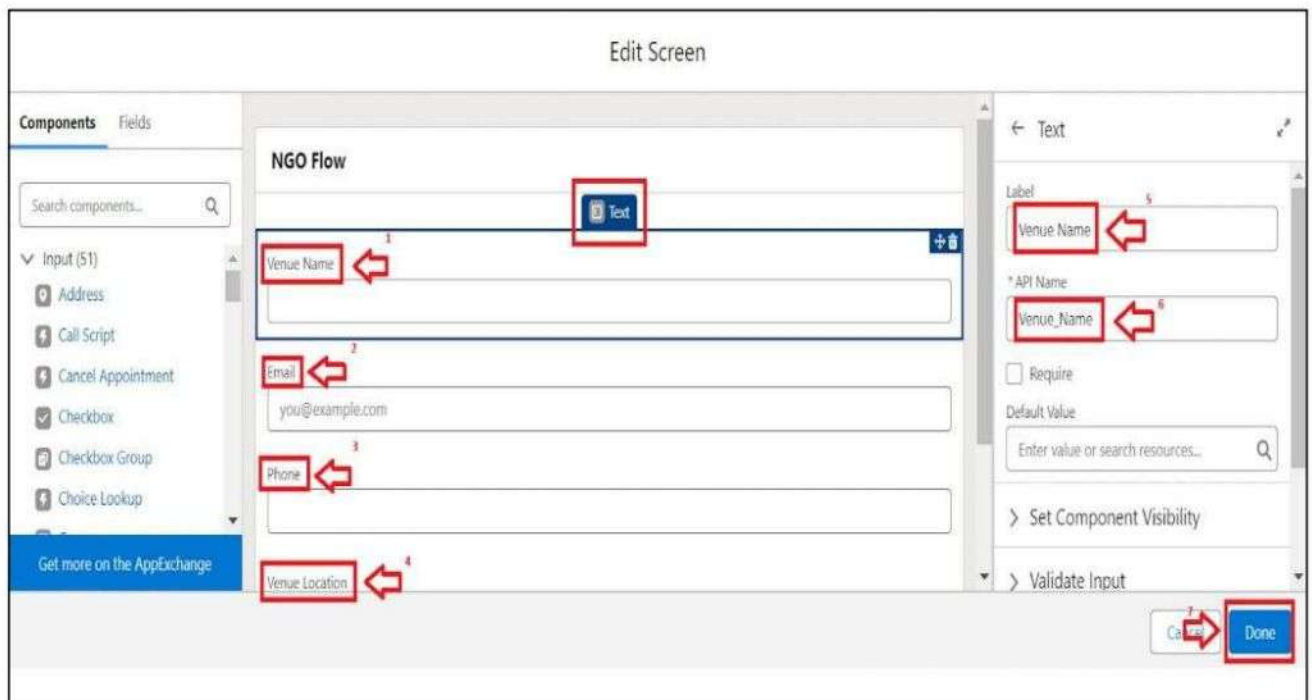
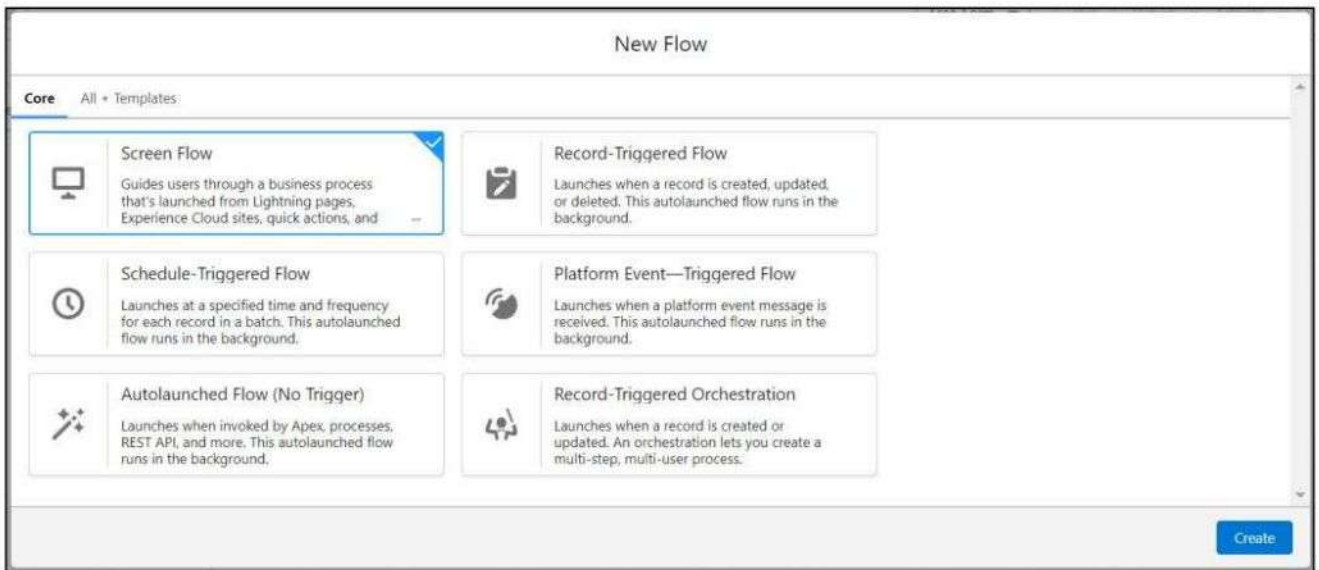
Insert Operator

distance calculation (Number) =

DISTANCE( Location\_2\_\_c , Venus\_\_Relocation\_\_c , 'km' )

**To create a Flow:**





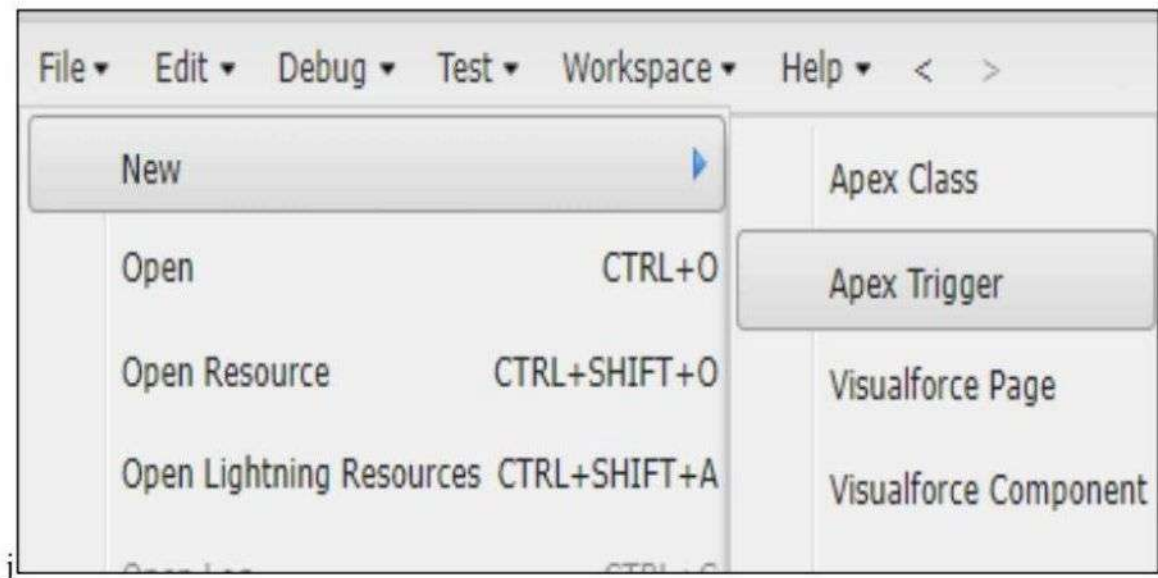
Create a Record of This Object

\* Object  
Venue

Set Field Values for the Venue

Field	Value	
Contact_Email__c	Ⓐ Contact_Email > Value X	🗑️
Contact_Phone__c	Ⓐ Contact_Phone > Value X	🗑️
Name	Ⓐ Venue_Name X	🗑️
Venue_Location__c	Ⓐ location X	🗑️

**To create a Trigger:**



**New Apex Trigger**

Name:

sObject:  ▼

creation of users:

User1:

**General Information**

First Name	<input type="text" value="Iksha Foundation"/>	Role	<input type="text" value="&lt;None Specified&gt;"/> ▼
Last Name	<input type="text" value="Iksha_Foundation"/>	User License	<input type="text" value="Salesforce Platform"/> ▼
Alias	<input type="text" value="iiksh"/>	Profile	<input type="text" value="NGOs Profile"/> ▼ ⓘ
Email	<input type="text" value="bhargavipaila1023@gmail.co"/>	Active	<input checked="" type="checkbox"/>
Username	<input type="text" value="ikshafoundation@sb.com"/>	Marketing User	<input type="checkbox"/>
Nickname	<input type="text" value="User1711437164226559933"/> ⓘ	Offline User	<input type="checkbox"/>
Title	<input type="text"/>	Knowledge User	<input type="checkbox"/>
Company	<input type="text"/>	Flow User	<input type="checkbox"/>
Department	<input type="text"/>	Service Cloud User	<input type="checkbox"/>
Division	<input type="text"/>	Site.com Contributor User	<input type="checkbox"/>

<input type="checkbox"/>	<a href="#">Edit</a>   <a href="#">Login</a>	<a href="#">Iksha Foundation</a> , <a href="#">Iksha Foundation</a>	<a href="#">iksh</a>	<a href="#">ikshafoundation@sb.com</a>	<input checked="" type="checkbox"/>	<a href="#">NGOs Profile</a>
<input type="checkbox"/>	<a href="#">Edit</a>   <a href="#">Login</a>	<a href="#">NSS</a> , <a href="#">NSS</a>	<a href="#">nnss</a>	<a href="#">nss@sb.com</a>	<input checked="" type="checkbox"/>	<a href="#">NGOs Profile</a>
<input type="checkbox"/>	<a href="#">Edit</a>   <a href="#">Login</a>	<a href="#">Street Cause</a> , <a href="#">Street Cause</a>	<a href="#">sstre</a>	<a href="#">streetcause@sb.com</a>	<input checked="" type="checkbox"/>	<a href="#">NGOs Profile</a>

### To Create a Public Group :

<div>New</div>				
Action	Label ↑	Group Name	Created By	Created Date
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">Iksha</a>	<a href="#">Iksha</a>	<a href="#">Bhargavi Palla</a>	26/03/2024, 2:27 pm
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">NSS</a>	<a href="#">NSS</a>	<a href="#">Bhargavi Palla</a>	26/03/2024, 2:27 pm
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">Street Cause</a>	<a href="#">Street Cause</a>	<a href="#">Bhargavi Palla</a>	26/03/2024, 2:26 pm

## Create Report Types:

Outline

Filters 2

Groups

GROUP ROWS

Add group...

Volunteer Name

GROUP COLUMNS

Add group...

Columns

Add column...

Venue Name

Drop-Off point Name

# Distance

Previewing a limited number of records. Run the report to see everything.

Volunteer Name	Venue Name	Drop-Off point Name	Distance
- (4)	La Royale Banquet Hall.	Shapur	5.1161
	La Royale Banquet Hall.	Jeedimetla	6,902.9995
	Paradise Garden Function Hall	Suraram Village	28.2332
	Ujwala Grand	-	-
Subtotal			6,936.3488
Total (4)			6,936.3488

REPORT

Volunteer Task

Volunteers with Execution Details and Tasks

Add Chart

Save & Run

Save

Close

Run

Outline

Filters

Previewing a limited number of records. Run the report to see everything.

Update Preview Automatically

Fields

GROUP ROWS

Add group...

Volunteer ID

GROUP COLUMNS

Add group...

Columns

Add column...

Volunteer: Volunteer Name

Task: Task Name

Execution Detail: Execution Detail Name

Volunteer: Owner Name

Task: Date

Task: Rating

Volunteer ID	Volunteer: Volunteer Name	Task: Task Name	Execution Detail: Execution Detail Name	Volunteer: Owner Name	Task: Date	Task: Rating
2 (1)	Charan	Task 2	Execution 2	Raha Foundation (Raha_Foundation)	28/03/2024	5
Subtotal						
4 (1)	Shayika	Task 1	Execution 1	Raha Foundation (Raha_Foundation)	28/03/2024	4
Subtotal						
Total (2)						

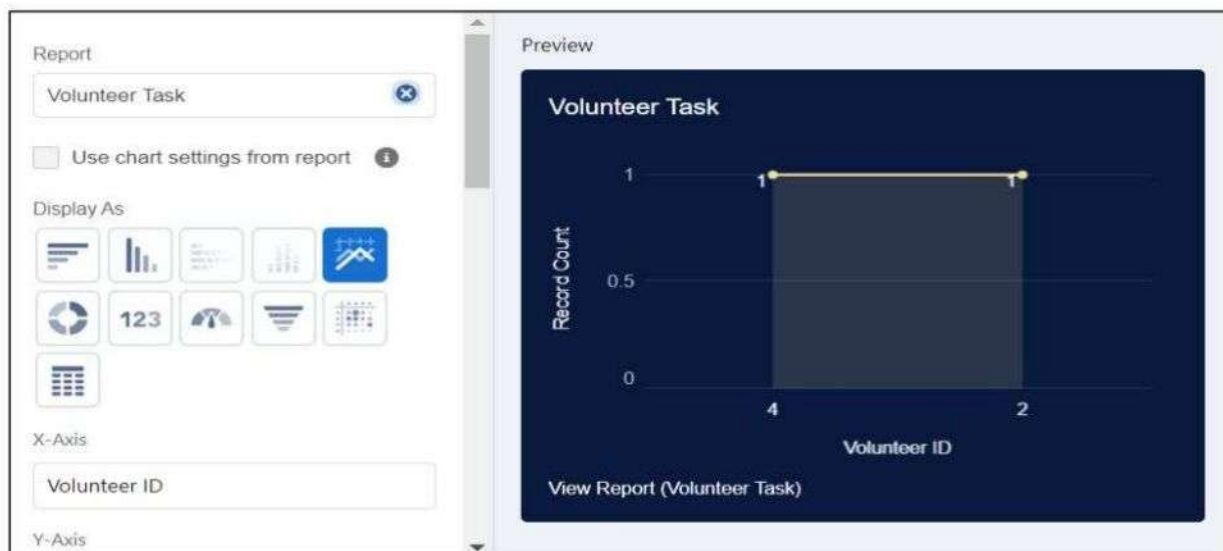
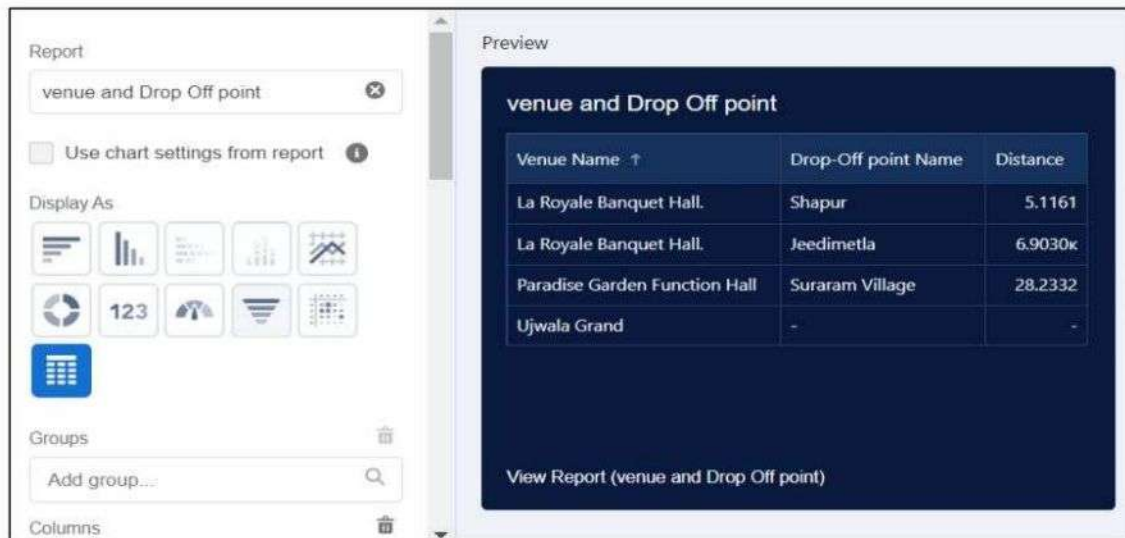
Row Counts

Detail Rows

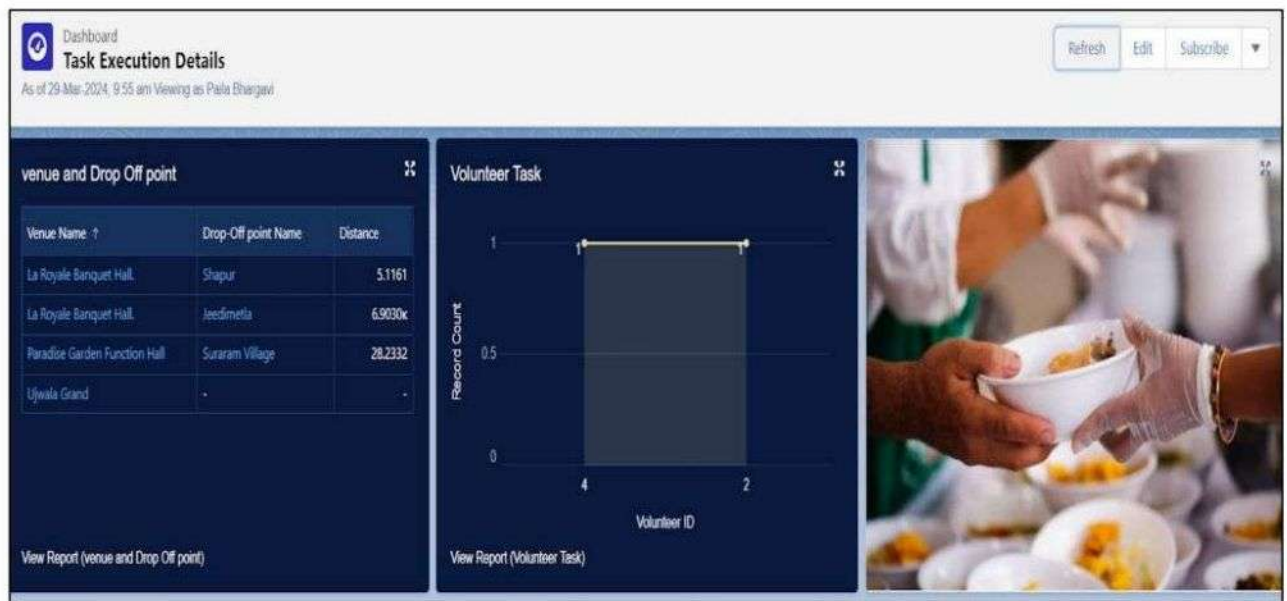
Subtotals

Grand Total

### To create a Dashboards:







## To create a Home Page:

Dashboard

Task Execution Details

As of 29-Mar-2024, 9:55 am Viewing as Palla Bhargavi

Open

Refresh

Subscribe

venue and Drop Off point

Venue Name	Drop-Off point	Dis...
La Royale Banquet Hall	Shapur	5,116
La Royale Banquet Hall	Jeddimetla	6,903
Paradise Garden Function Hall	Suranam Village	28,23
Ujwala Grand	-	-

View Report (venue and Drop Off point)

Volunteer Task

View Report (Volunteer Task)

Flow Component: Venue Form

This is a placeholder. Flows don't run in the canvas.

Add Component(s) Here

Add Component(s) Here

FoodConnect

Home

Venues

Tasks

Drop-Off points

Execution Details

Volunteers

Reports

Dashboards

Search...

Home

Venues

Tasks

Drop-Off points

Execution Details

Volunteers

Reports

Dashboards

Dashboard

Task Execution Details

As of 29-Mar-2024, 9:55 am Viewing as Palla Bhargavi

Open

Refresh

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venue and Drop Off point

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Ujwala Grand	-	-

View Report (venue and Drop Off point)

Volunteer Task

View Report (Volunteer Task)

Venue Form

Venue Name

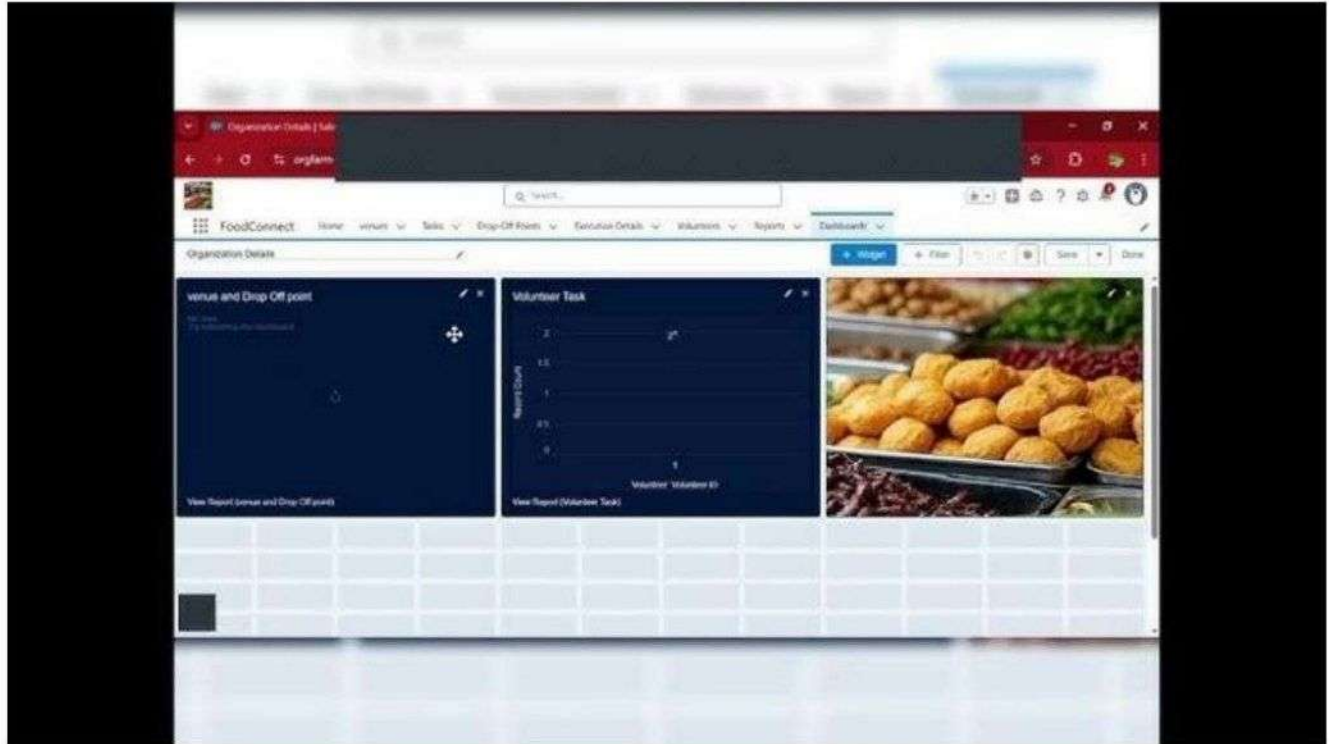
Email

Phone

Venue Location

Next

## RESULT:



## CONCLUSION

This project not only addresses hunger and malnutrition but also contributes to sustainable development by reducing food wastage. With collective efforts, we can ensure that “No food goes to waste, and no person goes hungry.”

## APPENDIX

- **Source Code:** Provided in Apex Classes and Triggers

### CODE:

```
# Import necessary libraries

from flask import Flask,
render_template, request, redirect,
url_for

from flask_sqlalchemy import
SQLAlchemy

app = Flask(_name_)

app.config["SQLALCHEMY_DATABASE_URI"] = "sqlite:///food.db"

db = SQLAlchemy(app)

# Define models

class User(db.Model):

    id = db.Column(db.Integer,
primary_key=True)

    name = db.Column(db.String(100),
nullable=False)

    email = db.Column(db.String(100),
nullable=False, unique=True)
```

```

class Food(db.Model):

    id = db.Column(db.Integer,
primary_key=True)

    name = db.Column(db.String(100),
nullable=False)

    quantity = db.Column(db.Integer,
nullable=False)

    donor_id = db.Column(db.Integer,
db.ForeignKey("user.id"))


# Define routes

@app.route("/")

def index():

    return render_template("index.html")


@app.route("/register",
methods=["GET", "POST"])

def register():

    if request.method == "POST":

        user =

User(name=request.form["name"],
email=request.form["email"])

        db.session.add(user)

```

```

        db.session.commit()

        return redirect(url_for("login"))

    return
render_template("register.html")

@app.route("/login", methods=["GET",
"POST"])
def login():
    if request.method == "POST":
        user =
User.query.filter_by(email=request.form[
"email"]).first()

        if user:
            # Login logic

            pass

        return render_template("login.html")

@app.route("/food/list")
def food_list():
    foods = Food.query.all()

    return
render_template("food_list.html",
foods=foods)

```



```
@app.route("/food/request/<int:food_id>")
```

```
def food_request(food_id):
```

```
    food = Food.query.get(food_id)
```

```
    # Request logic
```

```
    pass
```

```
if __name__ == "__main__":
```

```
    app.run(debug=True)
```