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# 4 The Needers

## GROUP MEMBERS

Richu Tom

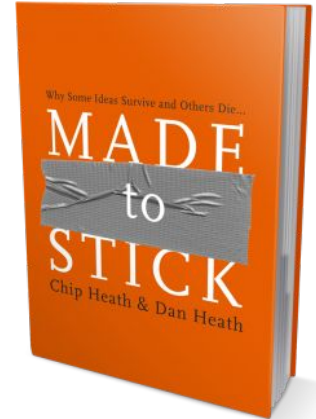
Hamna Fathima

Vaishnav

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# Introduction

Food Wastage Management Project in Python (Django framework) is a web-based technology that manages foods. This web application provides the interface between food donors and those who require the food. In this application, food donor enters their food quantity details and addresses.



# About The Project

In recent times, food wastage is increasing at an unprecedented rate and creating a negative effect on the economic growth factors.

- This in turn creates a major impact on the agricultural processing industries.
- As food recycling is always remaining as a complex task, in this project, we are focusing mainly on the food wastage in the office premises, wedding, events etc.
- This web application is used to manage wastage foods in a useful way
- '4 The Needers' is a food wastage management system which is a web based technology for managing food

- This website provides interface between food donor and food require. In this website food donor enter their food quantity details and addresses.
- In this website food donor enter their food quantity details and addresses.
- The donator can create the account and whenever they are having wastage food they can login and give request to the admin. The admin collect foods from donator through their nearby agent then provide to nearest orphanages or poor people. After receiving the food from the agent by admin and give alert message to that donator.
- This project is food redistribution is an enormously successful social innovation that tackles food waste and food poverty. The donor details are maintained confidential because it maintains a separate account for each donor.

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# Module Description

# Admin

The overall working of the website is controlled by the admin . Functionalities performed by admin are as follows:

- **Dashboard**
- **Register Food Donor**
- **List Donors**
- **List Food**
- **Food Request**
- **Search Listed Food**

# Donor

Functionalities performed by Donors are as follows:

- **Dashboard**
- **List Your Food Detail**
- **Request**
- **Search**
- **Update profile**

# User

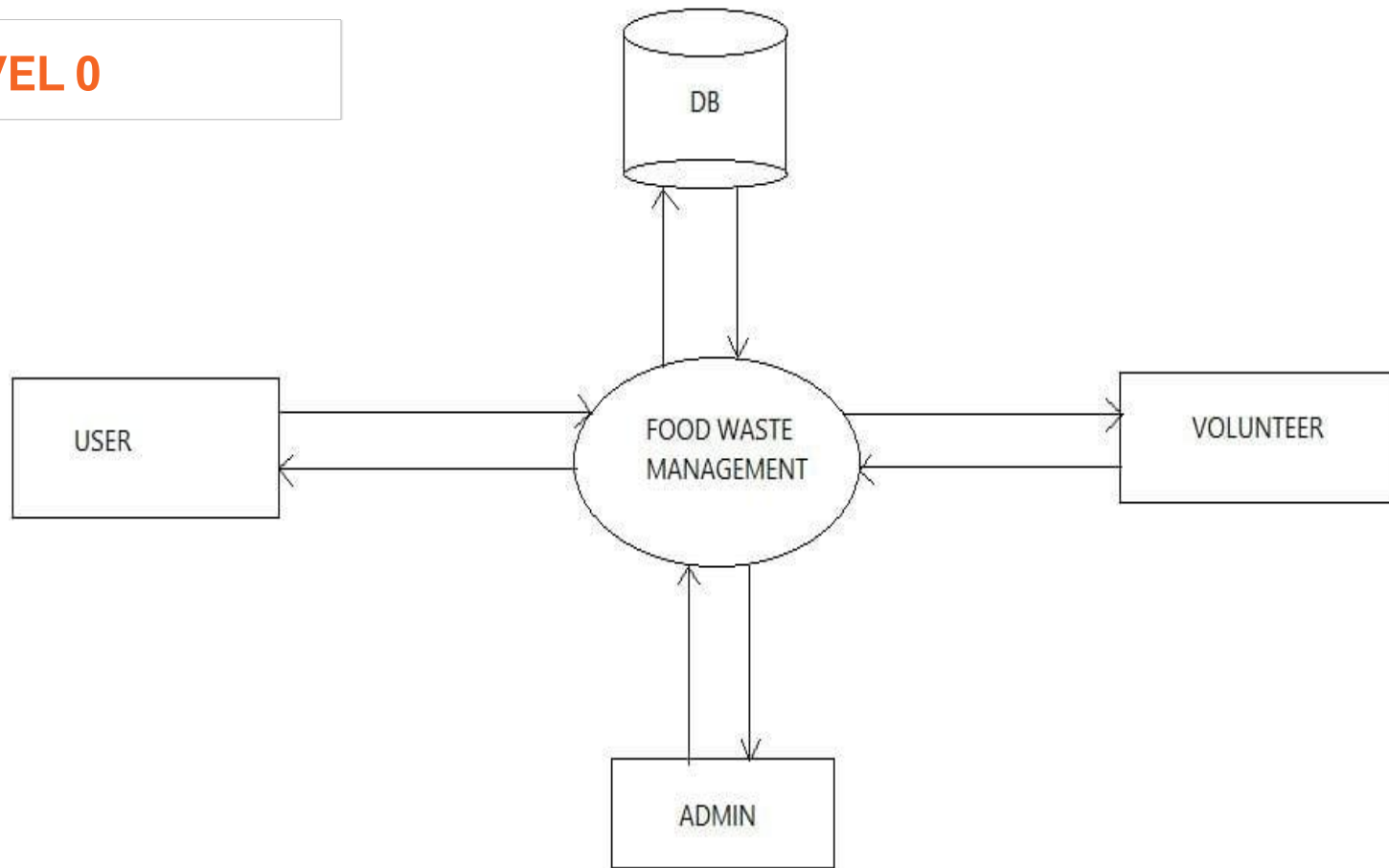
Functionalities performed by Users are as follows:

- **Home**
- **Food Available List**
- **Request Food**
- **Contact Us**
- **About Us**

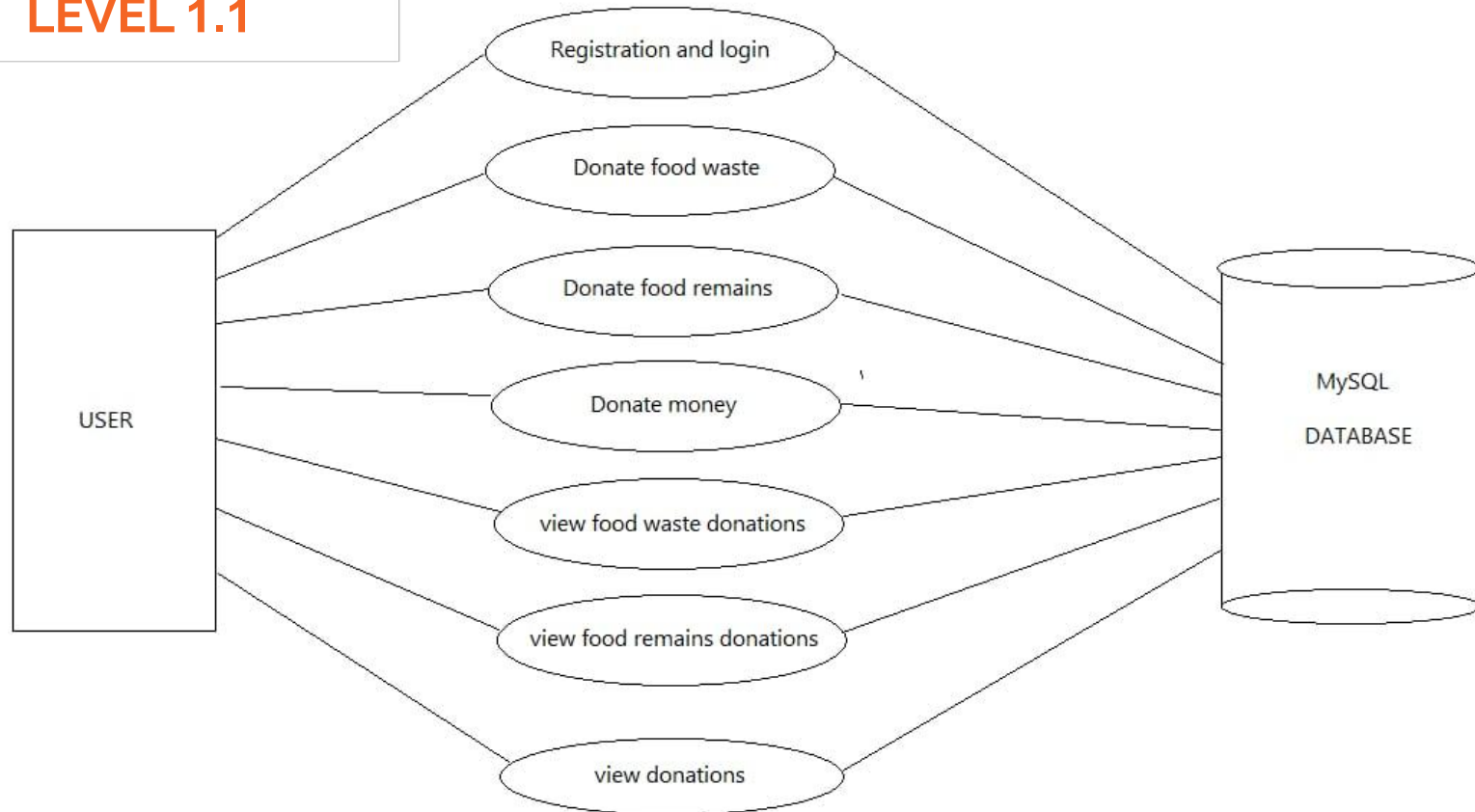


# Data Flow Diagram (DFD)

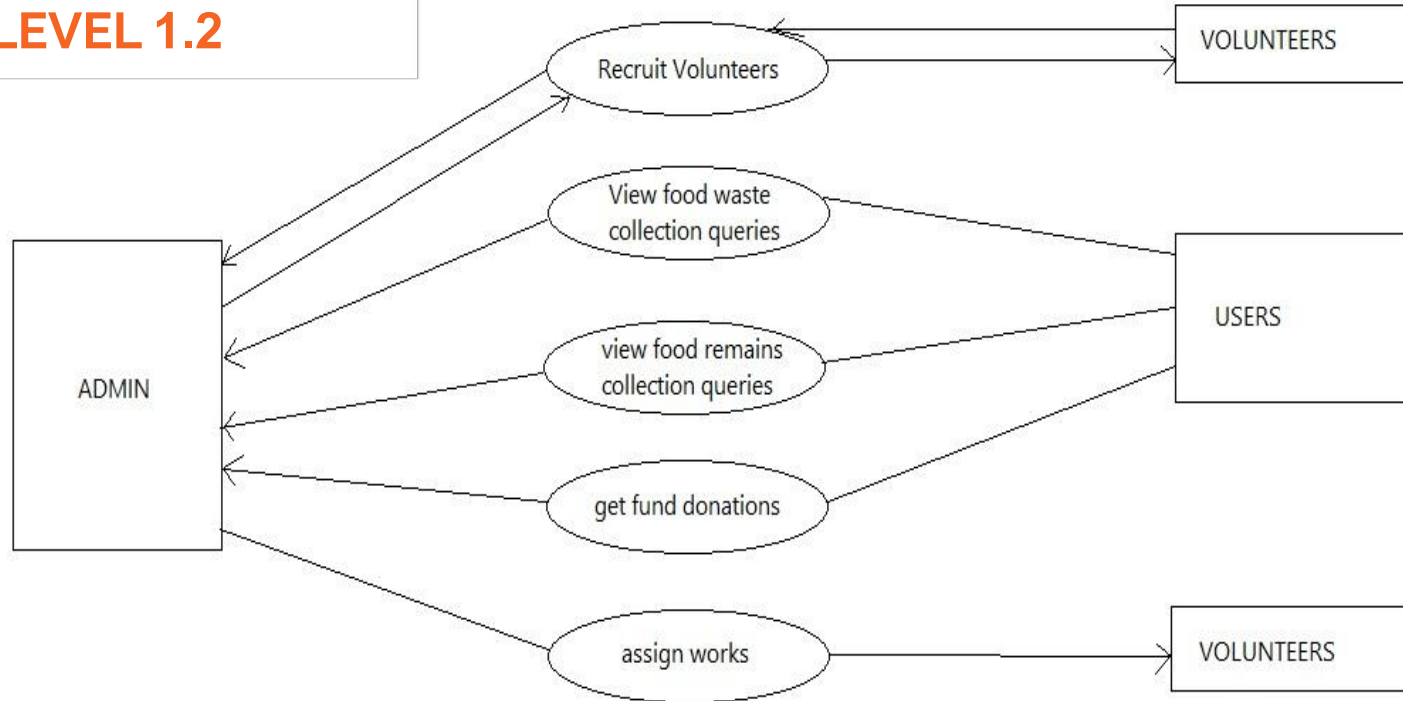
## LEVEL 0



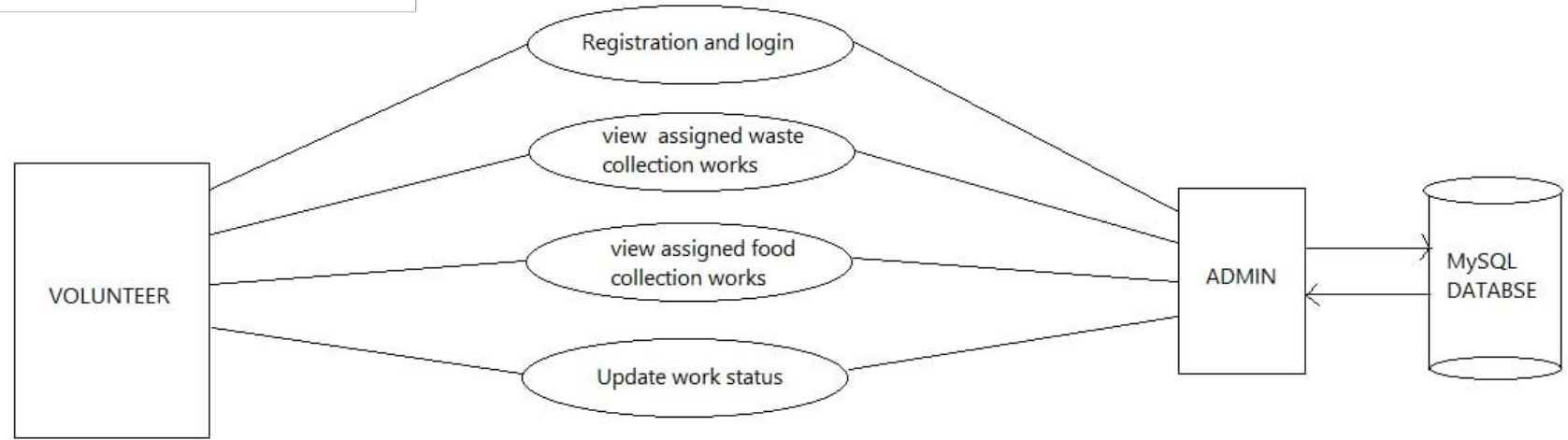
## LEVEL 1.1



## LEVEL 1.2



## LEVEL 1.3



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# Table Design

# foodremains

SI NO	FIELD NAME	DATATYPE	CONSTRAINTS
1	foodremainsid	int	Primary Key
2	name	varchar	Not NULL
3	phone	int	Not NULL
4	email	varchar	Not NULL
5	foodtype	varchar	Not NULL
6	foodlist	varchar	Not NULL
7	occation	varchar	Not NULL
8	date	varchar	Not NULL
9	time	varchar	Not NULL
10	address	varchar	Not NULL
11	district	varchar	Not NULL

# foodwaste

SI NO	FIELD NAME	DATATYPE	CONSTRAINTS
1	foodwateid	int	Primary Key
2	name	varchar	Not NULL
3	phone	int	Not NULL
4	email	varchar	Not NULL
5	watetype	varchar	Not NULL
6	date	varchar	Not NULL
7	time	varchar	Not NULL
8	district	varchar	Not NULL
9	address	varchar	Not NULL
10	status	varchar	Not NULL



# fund

SI NO	FIELD NAME	DATATYPE	CONSTRAINTS
1	transactionid	int	Primary Key
2	amount	int	Not NULL
3	card	int	Not NULL
4	expiry	varchar	Not NULL
5	cvv	int	Not NULL
6	name	varchar	Not NULL
7	bank	varchar	Not NULL
8	<u>userid</u>	int	Not NULL

# volunteers


SI NO	FIELD NAME	DATATYPE	CONSTRAINTS
1	volunteerid	int	Primary Key
2	name	varchar	Not NULL
3	gender	varchar	Not NULL
4	dob	varchar	Not NULL
5	email	varchar	Not NULL
6	phone	int	Not NULL
7	district	varchar	Not NULL
8	address	varchar	Not NULL
9	reason	varchar	Not NULL
10	username	varchar	Not NULL
11	password	varchar	Not NULL

# users

SI NO	FIELD NAME	DATATYPE	CONSTRAINTS
1	userid	int	Primary Key
2	name	varchar	Not NULL
3	gender	varchar	Not NULL
4	dob	varchar	Not NULL
5	email	varchar	Not NULL
6	phone	varchar	Not NULL
7	district	varchar	Not NULL
8	username	varchar	Not NULL
9	password	varchar	Not NULL

# INPUT DESIGN

## Fund Donation

Name*	<input type="text"/>
Donation Amount*	<input type="text"/>
Card Number*	<input type="text"/>
Expiry Date*	<input type="text" value="dd-mm-yyyy"/> 
CVV*	<input type="text"/>
Bank*	<input type="text"/>
<input type="button" value="Submit"/>	

## Food & Waste Management


### Volunteer Login

Login

Not registered yet ?  
[Click here to register](#)

## Food & Waste Management

### User Registration

Name*	<input type="text"/>
Gender*	<input type="radio"/> M <input type="radio"/> F
Date Of Birth*	<input type="text" value="dd-mm-yyyy"/> 
Email*	<input type="text"/>
Phone Number*	<input type="text"/>
District*	<input type="text" value="Select District"/> ▼
Username*	<input type="text" value="User ID/Phone number"/>
Create Password*	<input type="password"/>
<input type="button" value="Reset"/>	<input type="button" value="Submit"/>

127.0.0.1:8000/foodproject/admin

Food & Waste Management

Admin Login

Login



## Food & Waste Management

### User Login

Login

Not registered yet ?  
[Click here to register](#)

## Food Waste Donation

Name*	<input type="text"/>
Phone Number*	<input type="text"/>
Email*	<input type="text"/>
Waste Type*	<input type="text" value="Select Waste Type"/>
Date*	<input type="text" value="dd-mm-yyyy"/>
Time*	<input type="text" value="--:-- --"/>
District*	<input type="text" value="Select District"/>
Address*	<input type="text"/>
<input type="button" value="Reset"/>	<input type="button" value="Submit"/>

## Food Remains Donation

Name\*


Phone Number\*


Email\*

Food Type\* ☐ Veg ☐ Non-Veg ☐ Both

List Of Food Items\*

Occasion\*

Date\*  


Time\*  

Address\*

District\*  ▼

## Food & Waste Management

### Volunteer Registration

Name*	<input type="text"/>
Gender*	<input type="radio"/> M <input type="radio"/> F
Date Of Birth*	<input type="text" value="dd-mm-yyyy"/> 
Email*	<input type="text"/>
Phone Number*	<input type="text"/>
District*	<input type="text" value="Select District"/> ▼
Address*	<input type="text"/>
Reason for joining*	<input type="text"/>
Username*	<input type="text" value="User ID/Phone number"/>
Create Password*	<input type="password"/>
<input type="button" value="Reset"/>	<input type="button" value="Submit"/>

# OUTPUT DESIGN



File

D:/Food\_wast\_project/Food\_wast\_project/food\_wast\_project.html



## Food & Waste Management

[Services](#)[Donate](#)[Register](#)[Login](#)[User](#)[Volunteer](#)

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Online Foundation

# DONATE YOUR FOOD REMAINS

We are accepting food remains  
from parties and hotels

Call 9207728882 for inquiries



Food Waste

Food Remains

Fund



Online Foundation

# FOOD WASTE COLLECTION

We are accepting food waste  
for recycling

Call 9207728882 for inquiries

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THE ONLINE  
FOUNDATION



9207728882

# FOOD WASTE TO BIO GAS

## Biogas Cycle

Animal husbandry  
Biofuel production  
Crop harvesting  
Industrial processing  
Human consumption



Organic wastes

Anaerobic  
digestion

Biogas

Natural gas  
pipeline



Electrical and/or  
thermal energy

CO<sub>2</sub>

Food Waste  
Collection

Food Remains  
Collection

Food Waste  
Conversion

Food Remains  
Distribution



## Of Volunteers

Name	Gender	DOB	Email	Phone	District	Address	Reason	Resume	Username	Delete
Ramesh	Male	2023-01-12	nihalonline24@gmail.com	7878787878	Malappuram	zion illam road near durbar hall	just like that	ramesh	ramesh	Delete

## Of Users

Name	Gender	DOB	Email	Phone	District	Username
asdasd	Male	2022-12-29	nihalonline24@gmail.com	1234567891	Palakkad	admin
nihal	Male	1999-05-04	nihalonline24@gmail.com	8129033536	Palakkad	nihal



127.0.0.1:8000/foodproject/adminloginhandler?username=admin&password=admin123&submit=Login



## Food & Waste Management

Works

Donations

Users

Volunteers

Logout

Food Waste Collection  
Query

Food Remains Collection  
Query

Food Waste Conversion

Food Remains Distribution

aste ID

1

nihal

7878787878

nihalonline24@gmail.com

ype

Waste Type 2

2023-01-28

06:07

Palakkad

asdasda asdasd asdad

Select Status ▼

Select Status

Taken

Done

Processing

Pending

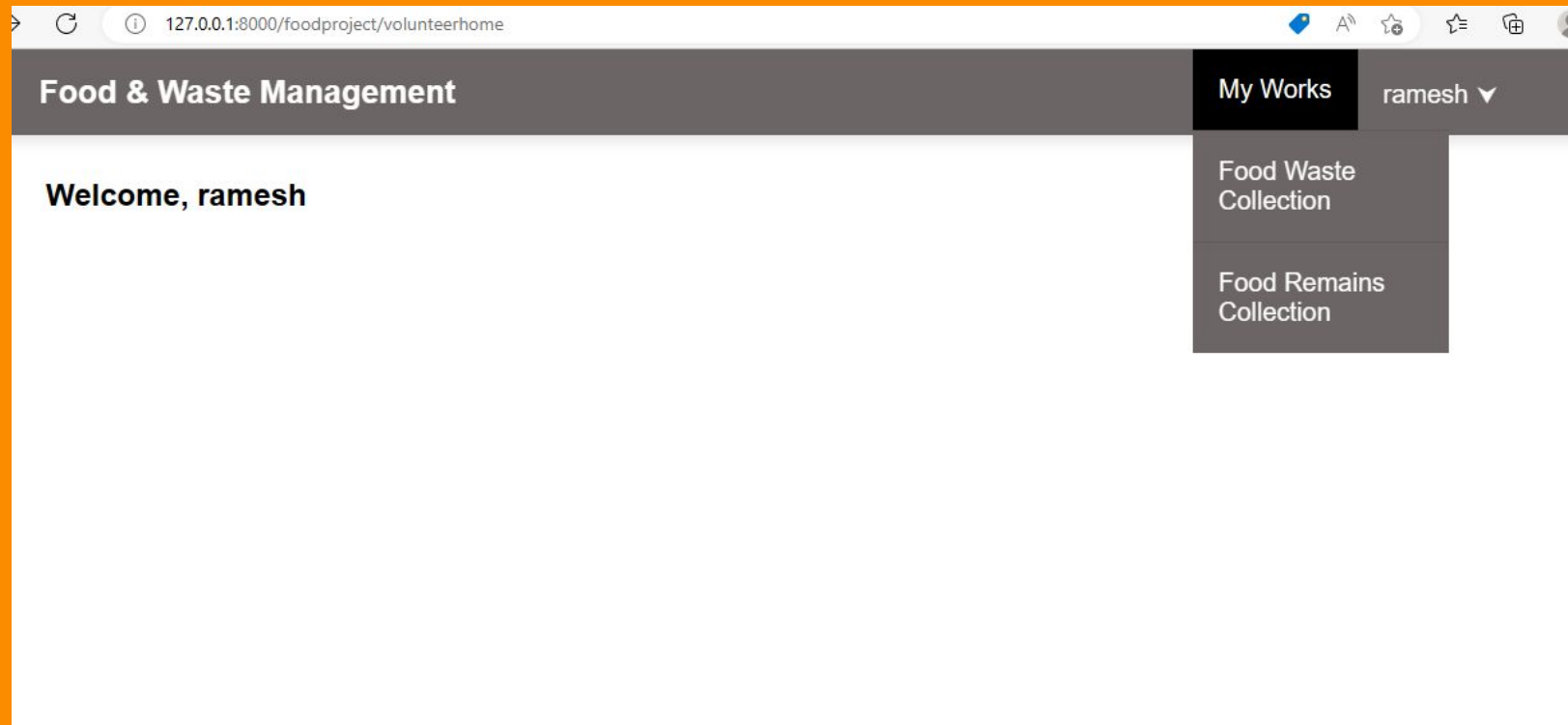


## Food & Waste Management

My Works

ramesh ▾

	Email	Food Type	Food List	Occassion	Date	Time	Address
378	nihalonline24@gmail.com	both	20 plates biriyani 10 plates chilly chicken 10 plates of chicken curry	marriage function	2023-01-28	15:04	zion illam road near du hall



## Food Waste Collection Queries

Name	Phone	Email	Waste Type	Date	Time	District	Address	Status	
Nihal	7878787878	nihalonline24@gmail.com	Waste Type 2	2023-01-28	06:07	Palakkad	asdasda asdasd asdad		<a href="#">schedule work</a>
								Taken	<a href="#">schedule work</a>
Nihal	7878787878	nihalonline24@gmail.com	Waste Type 5	2023-02-16	05:33	Thiruvananthapuram	zion illam road near durbar hall		<a href="#">schedule work</a>
								Done	<a href="#">schedule work</a>

## Fund Donations

Transaction Id	Name	Amount	Bank	Card Number
	nihal	500	indian	123456789123



## Profile

Profile ID	2
Name	nihal
Gender	Male
Date Of Birth	1999-05-04
Email Address	<input type="text" value="nihalonline24@gmail.com"/>
Phone Number	<input type="text" value="8129033536"/>
District	Palakkad
Username	nihal
Password	<input type="text" value="nihal"/>
Save	<input type="button" value="Update"/>

**THANK YOU.**

