



Anekanant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Empowered Autonomous).

Department of BBA (CA)

A Project report on
"Food Rescue Network"

Submitted in partial fulfilment of the requirements
for the award of degree of

Bachelor of Business Administration (Computer Application)
Academic Year 2024-25

Submitted by

Mr. Atole Rohan Ashok

Seat No: - 3071

Mr. Pawar Aniket Vasant

Seat No: - 3099

Under the guidance of

Prof. R.D.Babar



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Empowered Autonomous).

Department of BBA (C.A)

CERTIFICATE

Seat No: - 1) 3071

2) 3099

Date: -

This is to certify, that the project entitled "**Food Rescue Network**" Submitted by **Mr. Atole Rohan Ashok** and **Mr. Pawar Aniket Vasant**. In partial Fulfilment of the requirement of the award of degree BBA (C.A.) to Savitribai Phule Pune University, has been carried out by them under my guidance satisfactory during the academic year 2024-2025

Project Guide

H.O.D

Internal Examiner

External Examiner

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I wish to express my sincere thanks to BBA (C.A) Department and all teaching and non-teaching staff. For their extraordinary help throughout the period of my project. We are especially thankful to those who helped us directly-indirectly in completion of this work successfully.

Place: Baramati

Name: Mr. Atole Rohan Ashok

Date:

Seat No.3071

Name: Mr. Pawar Aniket Vasant

Seat No.3099

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1.Project Title

“Food Rescue Network”

INTRODUCTION

1.1. Introduction

Food Donation is a mission to end hunger and no waste of food to make a hungry-free world. According to the latest survey, 1.3 billion tons of food is thrown as waste every year. Additionally, one-third of the food consumed is stated as leftovers.

The focus of this project is to reduce the amount of food wasted and being used for needy people. Therefore, a website is developed by which a person can donate food with their capacity, and at the same time, the application lets the organization put their request on their requirements.

Our mission is to bridge the gap between surplus food and hunger by rescuing edible food from various sources and delivering it to community organizations that support individuals and families in need. By doing so, we aim to significantly reduce food waste, mitigate environmental impacts, and enhance food security within our communities.

1.2. Existing System

- Presently people who wish to donate surplus food need to personally visit the organizations and donate foods or other items.
- Manual processes and limited technology support are typical of the current food waste management and donation system.
- Traditional methods of connecting and coordinating food donations include phone calls, physical visits or word of mouth.
- If they do not need the food, then the person has to contact another organization. This makes the donor tired and exhausted.
- Increased food waste and financial losses can be caused by this manual approach.

1.3. Proposed System

- The website for food donation acts as an interface between the users looking for a channel to give the excess food without wasting it.
- It enables us to donate the excess food by notifying nearby users with the details of the available food.
- The donor's information is posted on the application and any number of users can claim the food.
- The system is designed so that one or more users can claim the food.
- The food serving process is based on priority (first come first serve).
- Methods of connecting and coordinating food donations is one click from our website.

1.4. Scope of System

- According to the research, people are attempting to donate food more frequently through Food Rescue Network Website because they are quicker and save time compared to searching multiple websites for non-profit contact information.
- Additionally, we want to grow our project by adding more platforms and contacting delivery services to pick up food, among other things.
- The ability to view the real-time location of food deliveries is another feature that raises expectations.
- In order to streamline, our system will provide a quicker booking procedure and a quicker reaction to user requests, saving the user time.

1.5. Software and Hardware Requirements

Software Requirements –

Operating System	WINDOWS OS (Windows 10, 11)
Frontend	HTML5, CSS, Bootstrap5, JavaScript
Backend	MySQL, PHP

Hardware Requirements –

Processor	Intel inside CORE i5 Processor and Above
RAM	8 GB and ROM 512 GB
Hard Disk	500 GB

1.6 Modules

- Sign-up and log in: The user has to sign in with the name, email ID, contact number, and address.
- Donating the surplus food: The user has to choose the activity if donating or claiming the surplus food. It is required to fill the contact address where the food is available.
- Claiming the surplus food: If the user claims for the surplus food, need to specify the organization name with address and contact details.
- Priority-based sorting: If one or more user has claimed for food, the request is scheduled on priority bases.
- Data Analysis with Graphs: The data gets recorded after every donation and the graph is prepared for visualization impact. This graph is prepared with the focus of increasing donating in the minds of people.
- Data Analysis with Reports: Once the data gets recorded, the system generates reports with the total number of people fed and the total quantity of food donated.

2. SYSTEM ANALYSIS

2.1. Fact Finding Technique

At the time of the analysis of the system or before starting the actual work of the system the system analyst has to collect information about the manual system from the user department for which the system will be developed. To collect this information, the system analyst prefers anyone of the following fact-finding technique or prefers two or more fact-finding techniques according to the situation:

1. Examining Documentation:

- **Project proposal:** "Food Rescue Network: Reducing Food Waste and Feeding the Hungry"
- **Project plan:** Outlines goals, objectives, timelines, and resources required
- **Meeting minutes:** Notes from meetings with stakeholders, including food donors, recipient organizations, and volunteers
- **Reports:** Monthly reports on food rescue metrics, including pounds of food rescued, number of meals provided, and demographics of recipients.

2. Interviews

- Food Donors:

- What motivates you to donate food to the Food Rescue Network?
- What types of food do you typically donate?
- How do you currently handle surplus food?

Recipient Organizations:

- How do you currently receive food from the Food Rescue Network?
- What types of food do you need most?
- How do you distribute food to those in need?

- Volunteers:

- What motivates you to volunteer with the Food Rescue Network?
- What tasks do you typically perform as a volunteer?
- How do you think the Food Rescue Network could improve?

3. Observation

- Food Rescue Operations:

- Observe food pickup and delivery processes
- Note efficiency and effectiveness of operations
- Identify areas for improvement

- Recipient Organizations:

- Observe food distribution processes
- Note effectiveness of food distribution
- Identify areas for improvement

4. Research

- **Food Waste Statistics:**

- Research national and local statistics on food waste
- Identify trends and patterns

- **Food Insecurity Statistics:**

- Research national and local statistics on food insecurity
- Identify trends and patterns

- **Best Practices:**

- Research best practices in food rescue and distribution
- Identify innovative solutions and technologies

5. Questionnaires

- **Food Donor Questionnaire:**

- What types of food do you typically donate?
- How often do you donate food?
- What motivates you to donate food?

- **Recipient Organization Questionnaire:**

- What types of food do you need most?
- How often do you receive food from the Food Rescue Network?
- How do you distribute food to those in need?

- Volunteer Questionnaire:

- What motivates you to volunteer with the Food Rescue Network?
- What tasks do you typically perform as a volunteer?
- How do you think the Food Rescue Network could improve?

2.2. Feasibility Study

- A feasibility study is a preliminary exploration of a proposed project or undertaking to determine its merits and viability.
- A feasibility study is an assessment of the practicality of a project or system.
- A feasibility study is an assessment that determines the likelihood of a proposed project being successful, such as a new product line or technical system.

Types of feasibility studies

1. Technical feasibility
2. Economic feasibility
3. Operational feasibility

1. Technical Feasibility

- Analyze the technical skills and capabilities of software development team member.
- Determine if the relevant technology is stable and established.

2 .Economic Feasibility

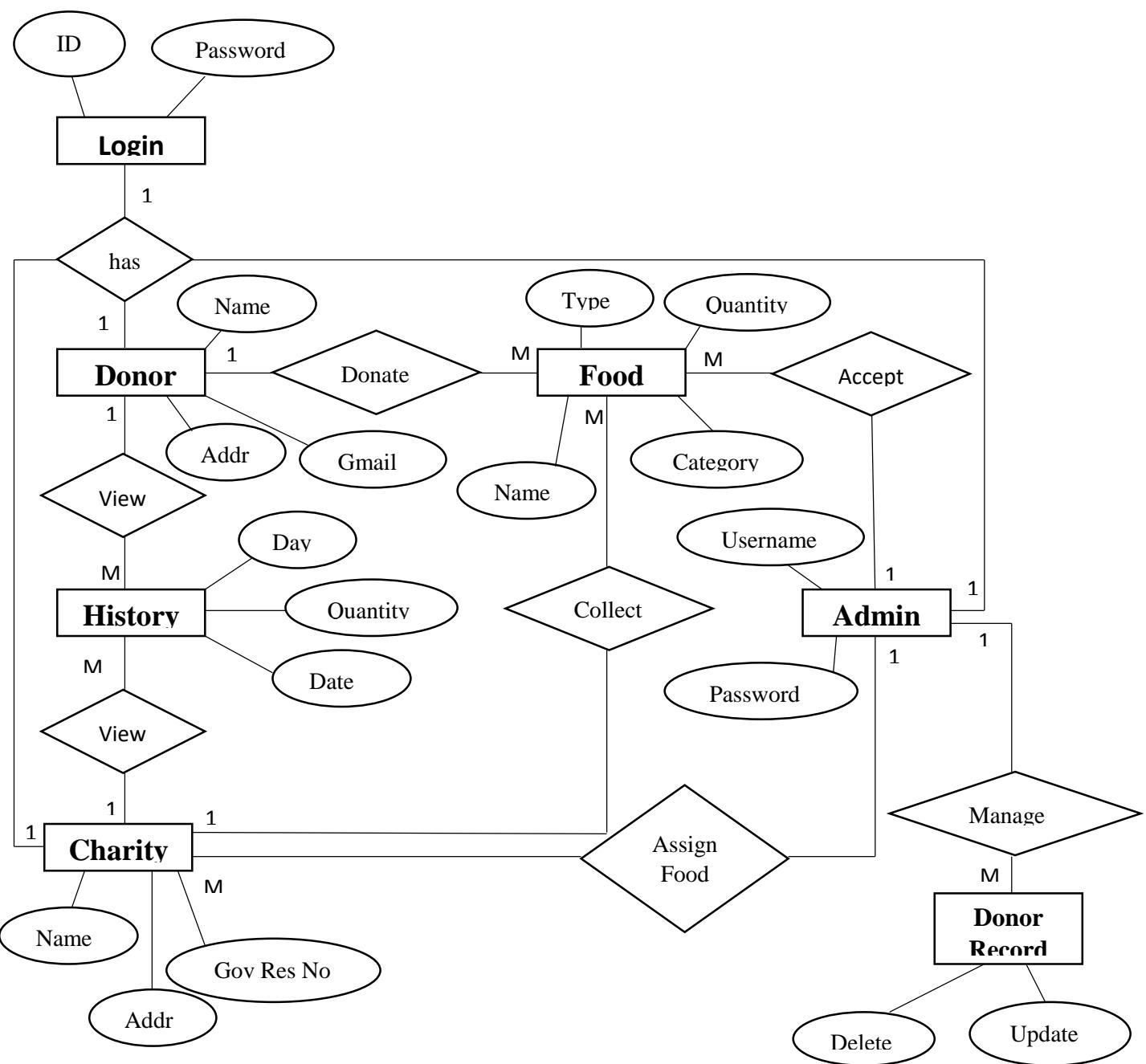
- The costs incurred in software development generate long-term benefits for an organization.
- Costs required to conduct a complete software study (e.g., requirements extraction and requirements analysis).
- Hardware, software, development team, and training costs.

3 .Operational Feasibility

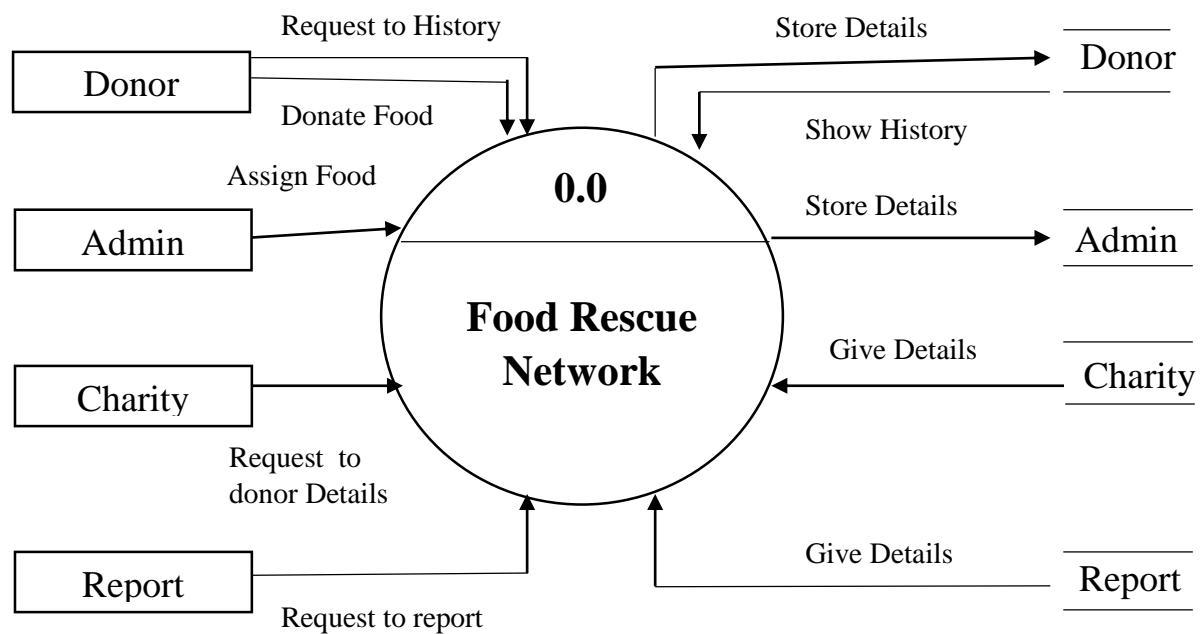
- Determine if the expected issue in the user request is a high priority.
- Determine if the organization is satisfied with alternative solutions proposed by the software development team.
- Determine if the solution proposed by the software development team is acceptable.
- Analyze whether users are comfortable with new software.

3. SYSTEM DESIGN

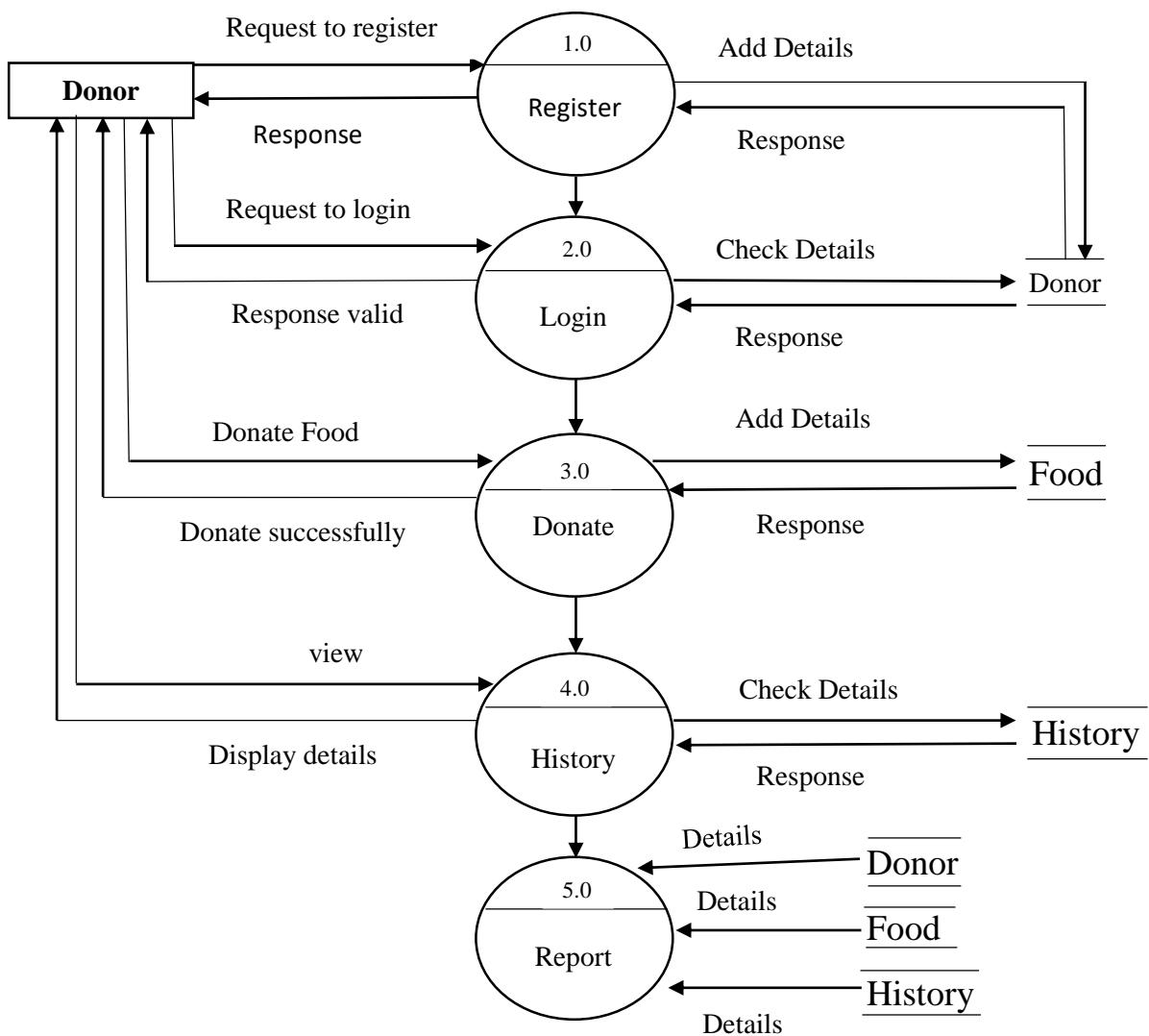
3.1. ER Diagram:



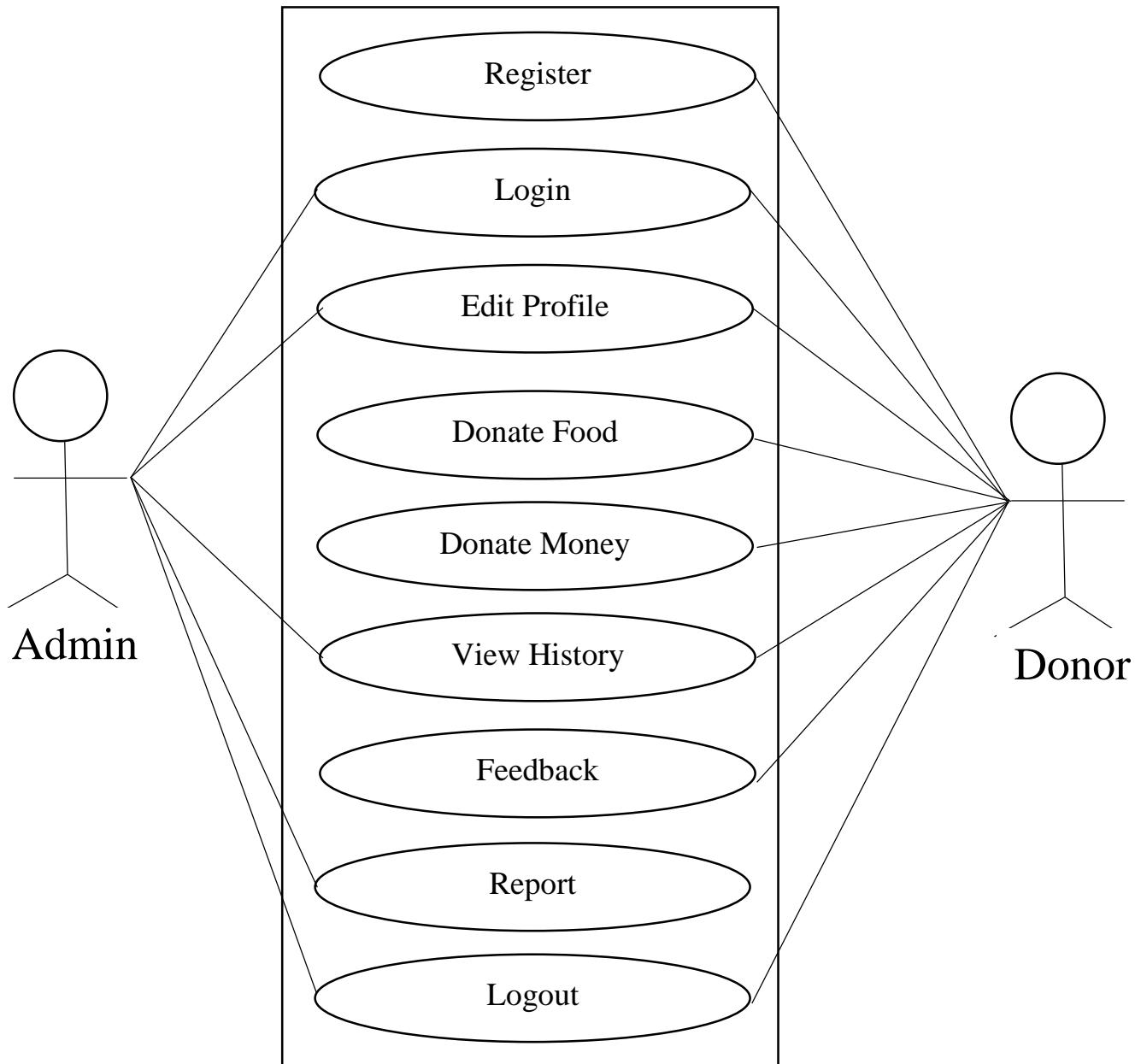
3.2. Context level diagram:



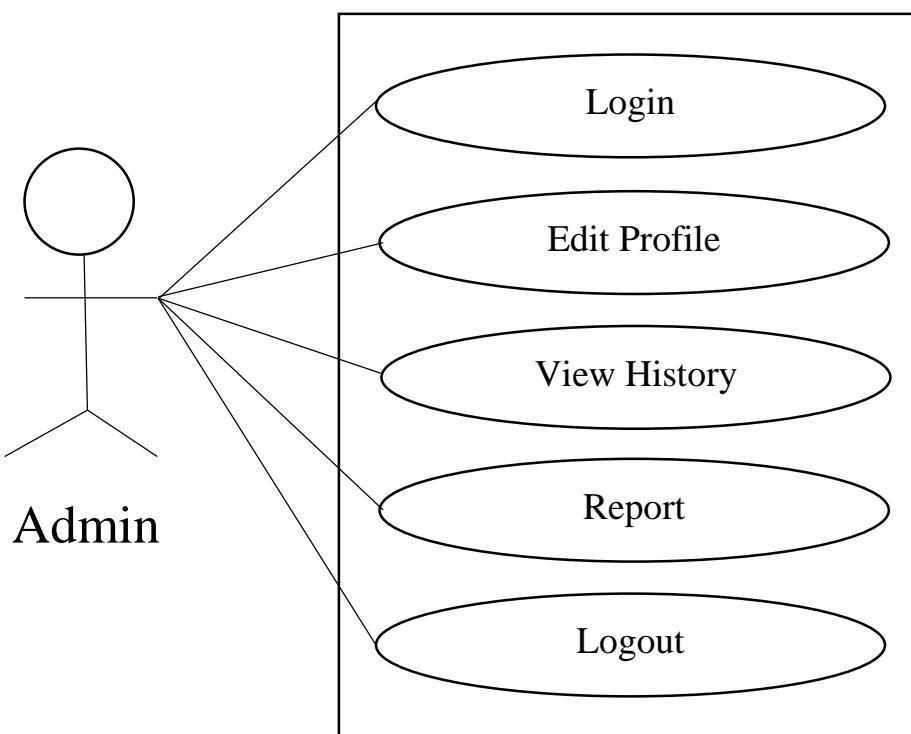
3.2.1. DFD:



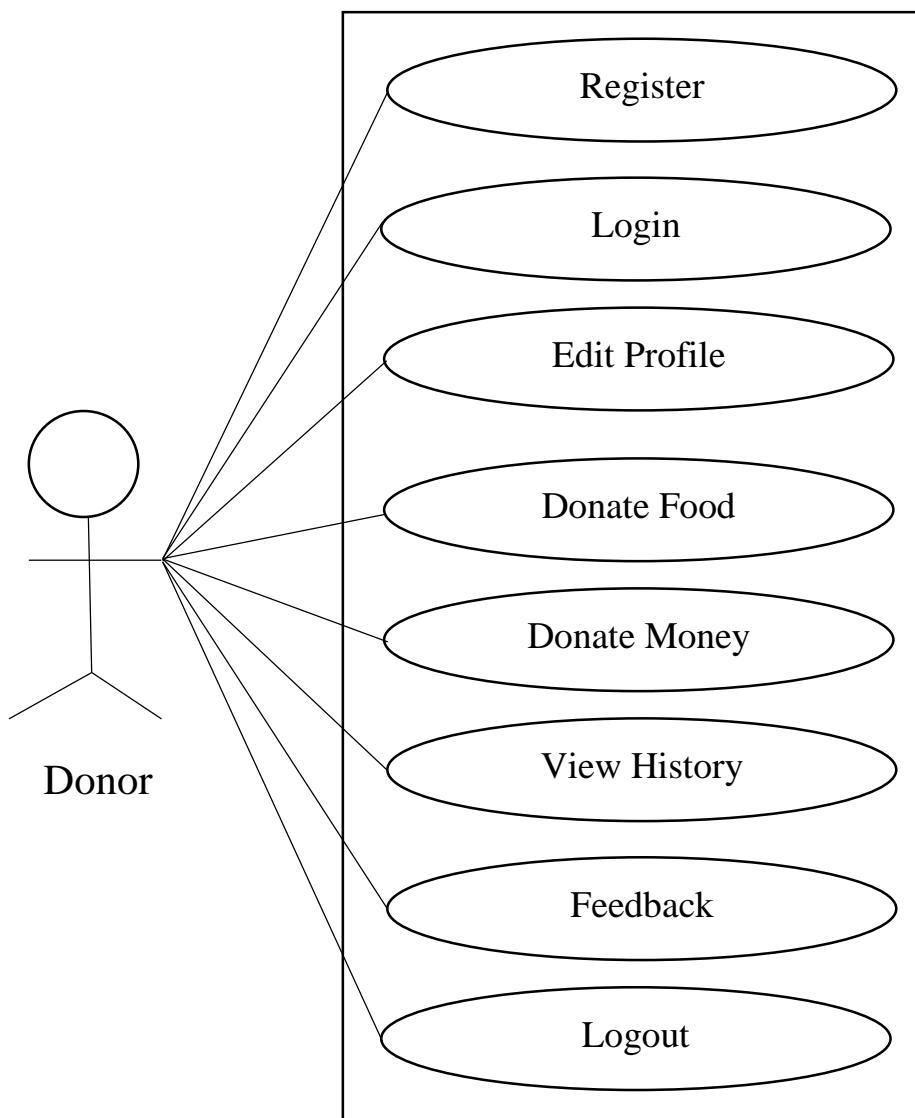
3.3. Use Case Diagram for Admin and Donor:



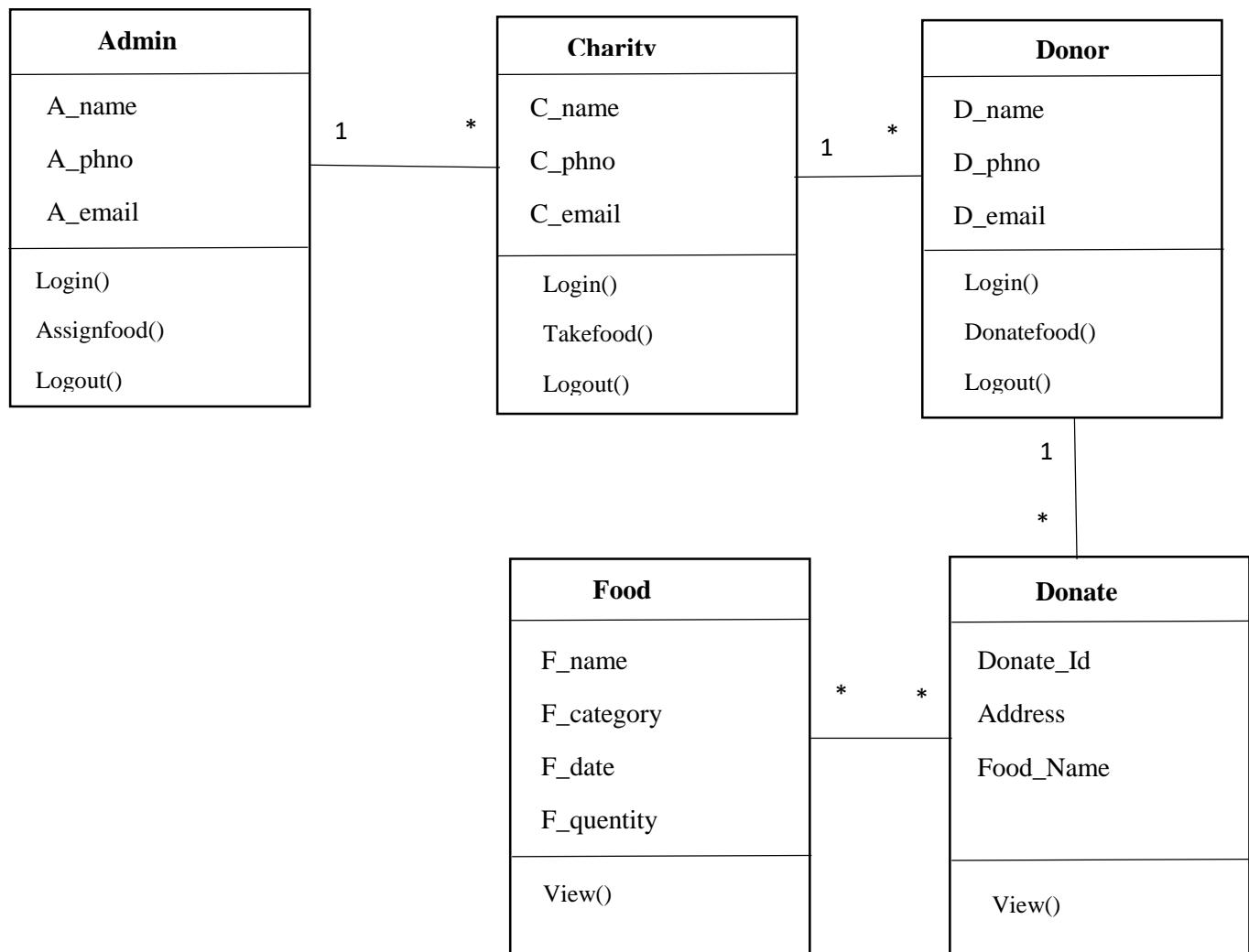
3.3.1. Use Case for Admin:



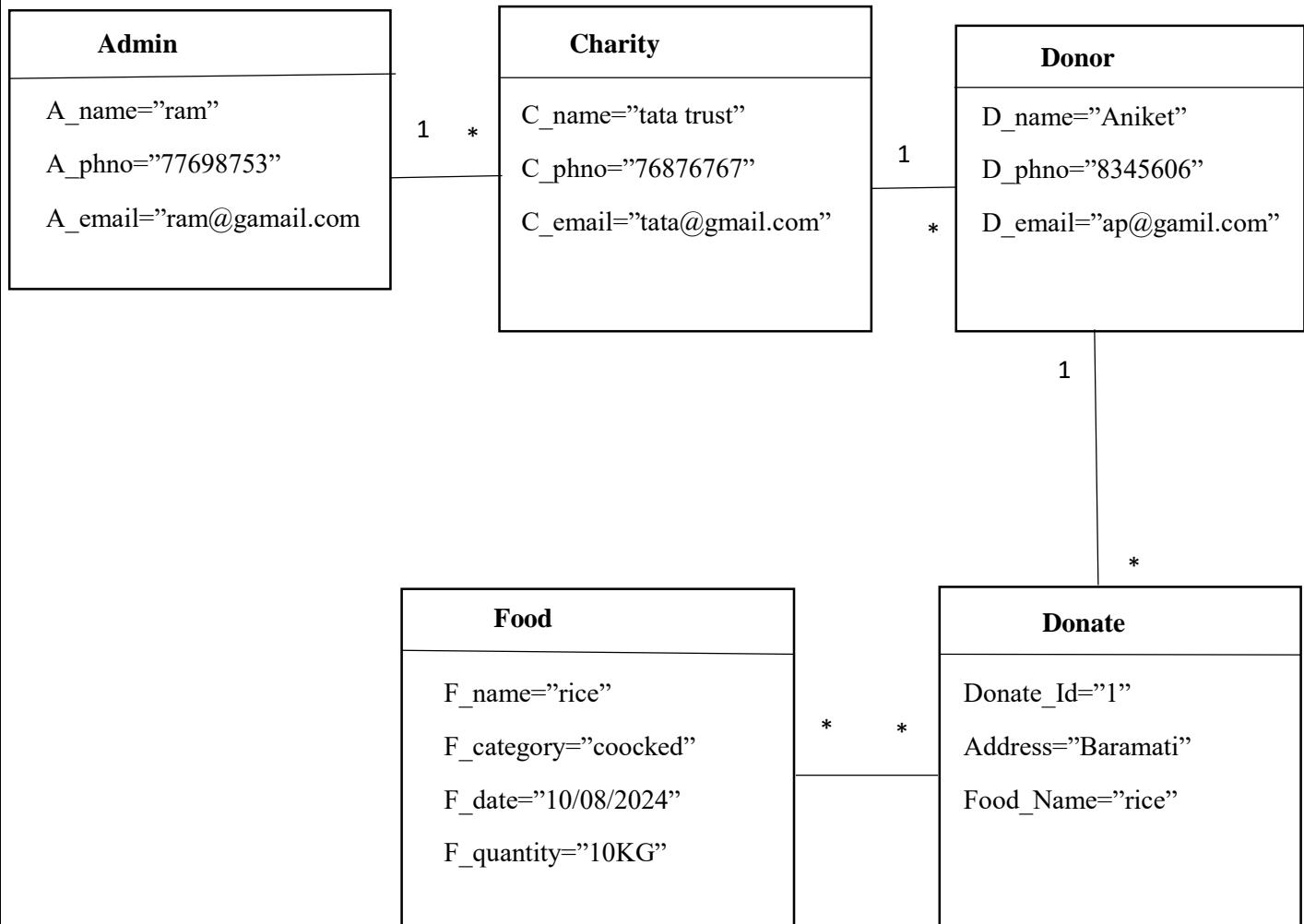
3.3.2. Use Case for Donor:



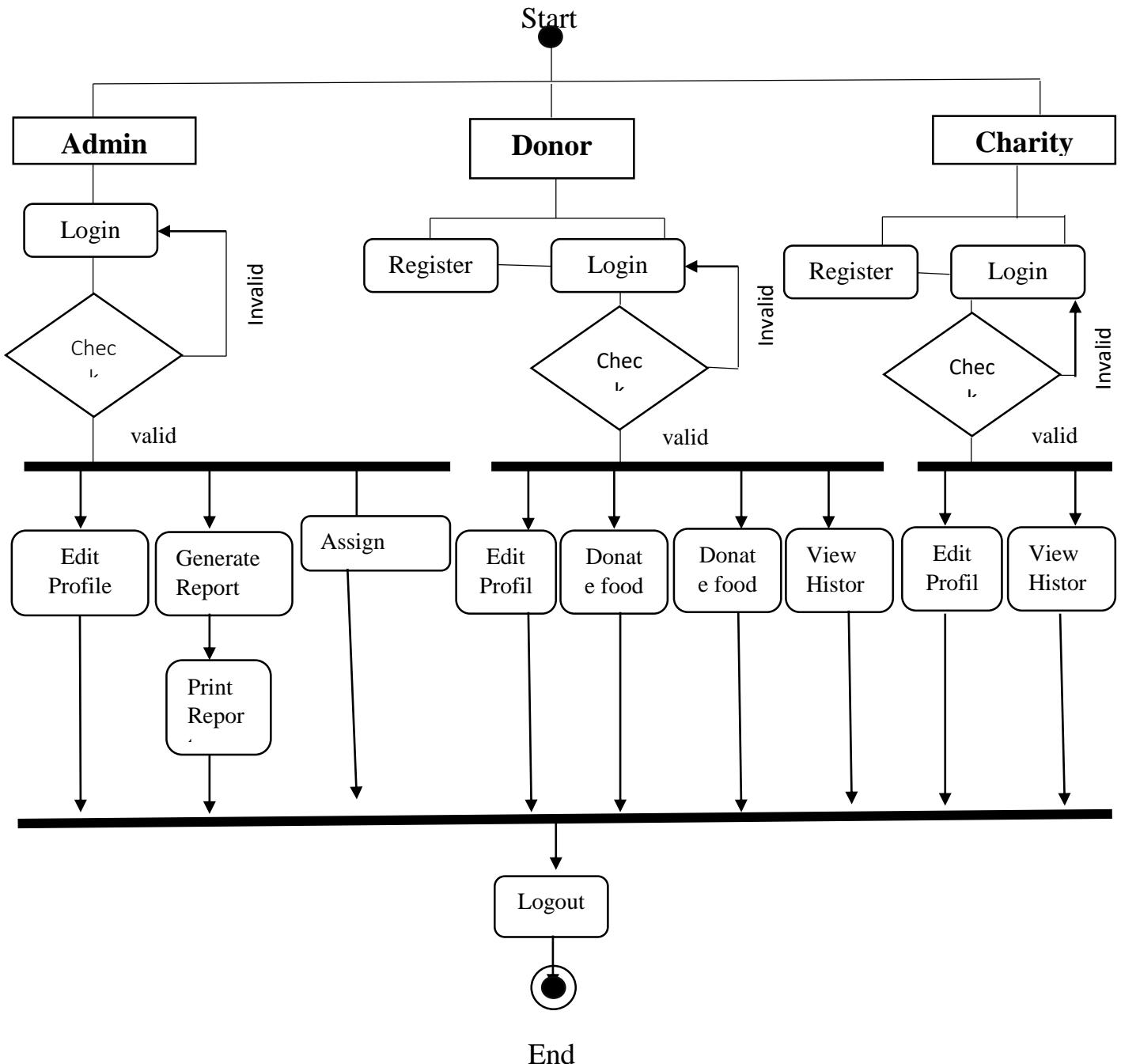
3.4. Class Diagram:



3.5. Object Diagram:-

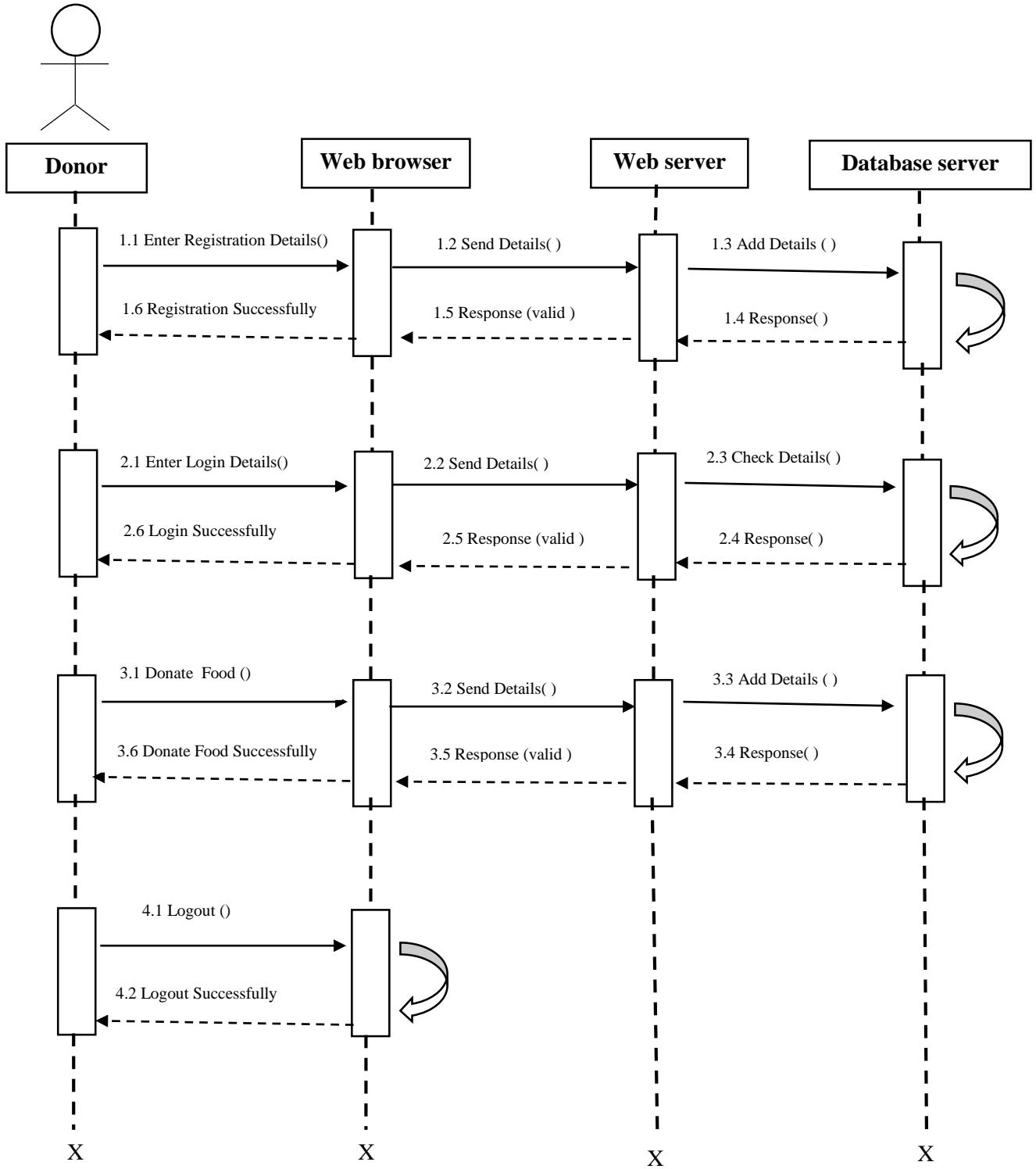


3.6. Activity Diagram:

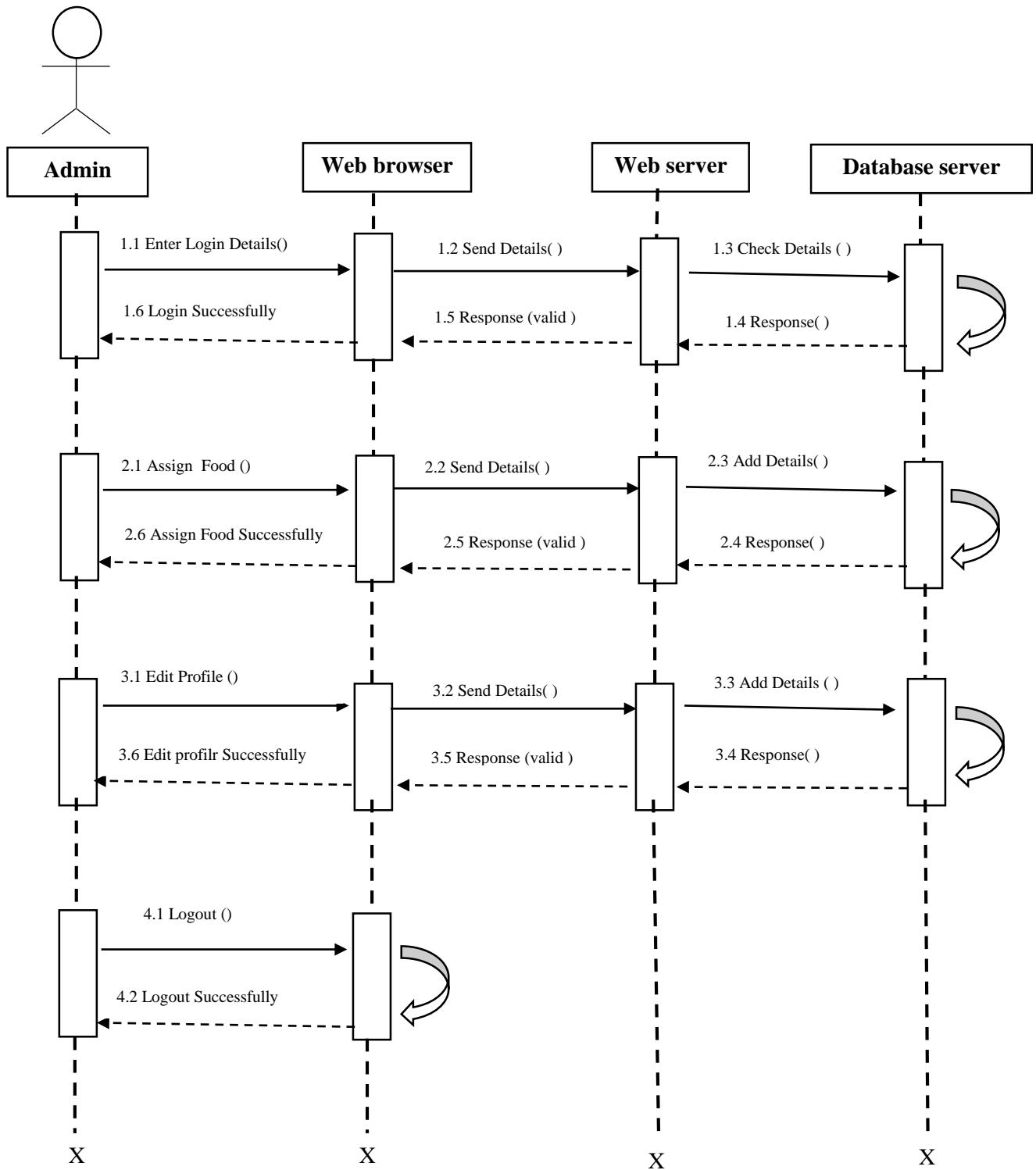


3.7. Sequence diagram:

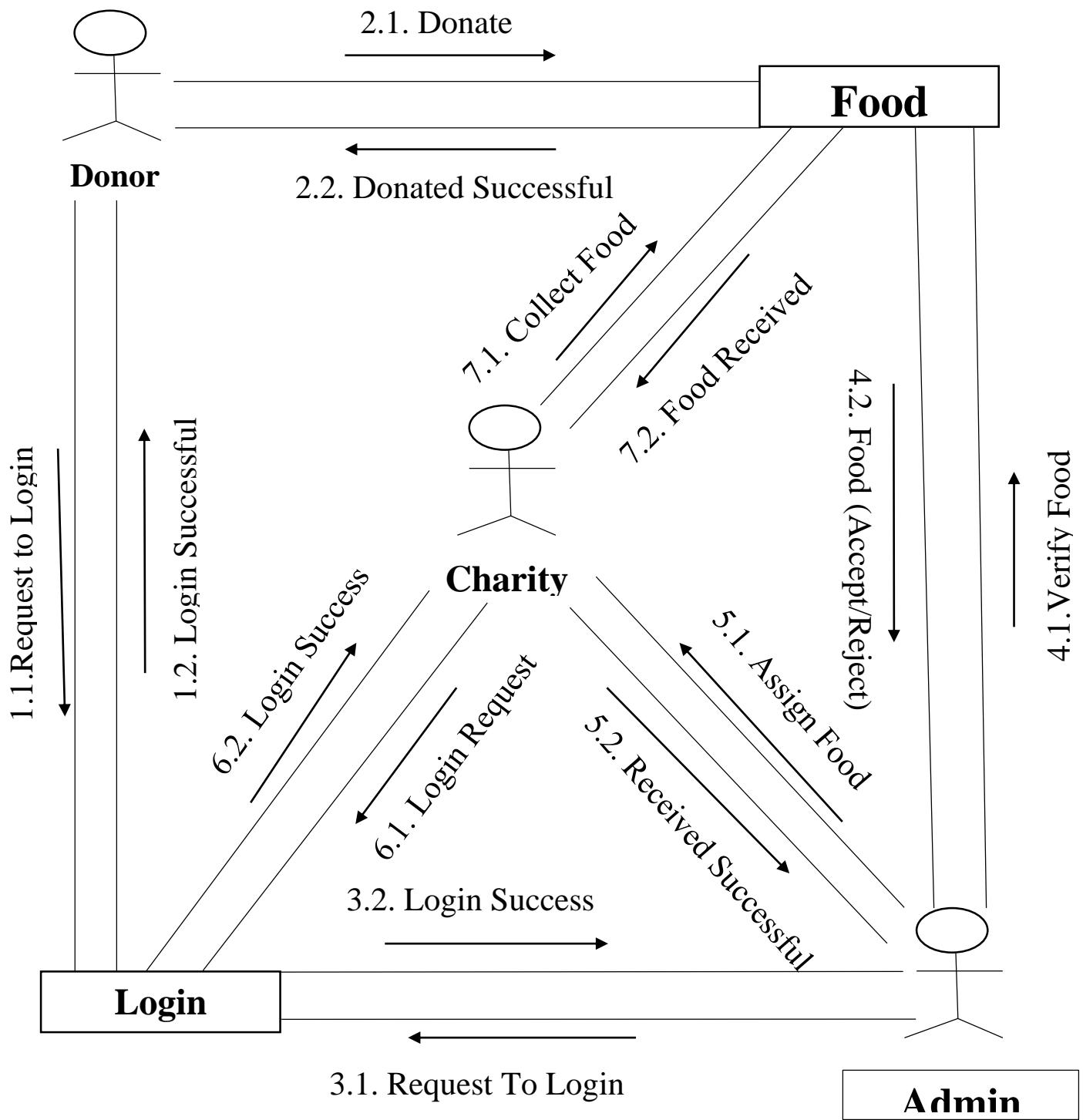
3.7.1. Sequence diagram for Donor:



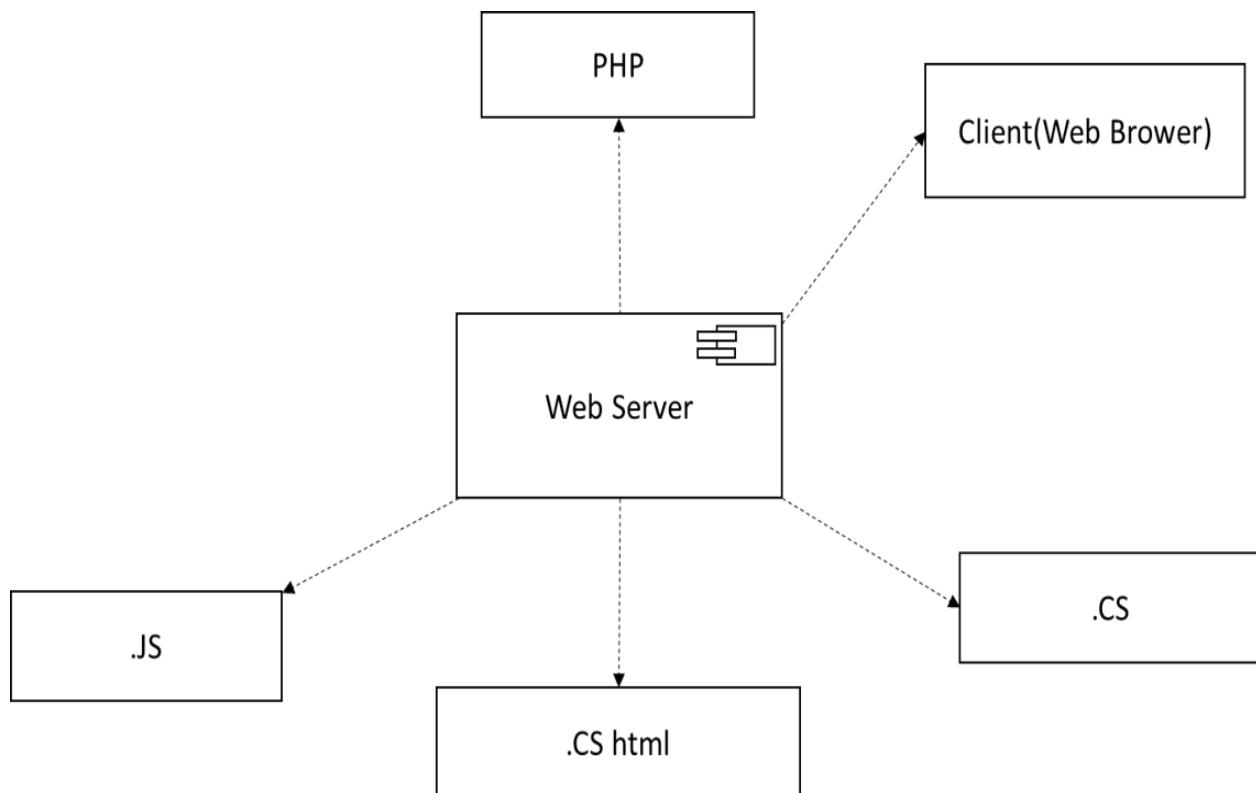
3.7.2. Sequence Diagram for Admin:



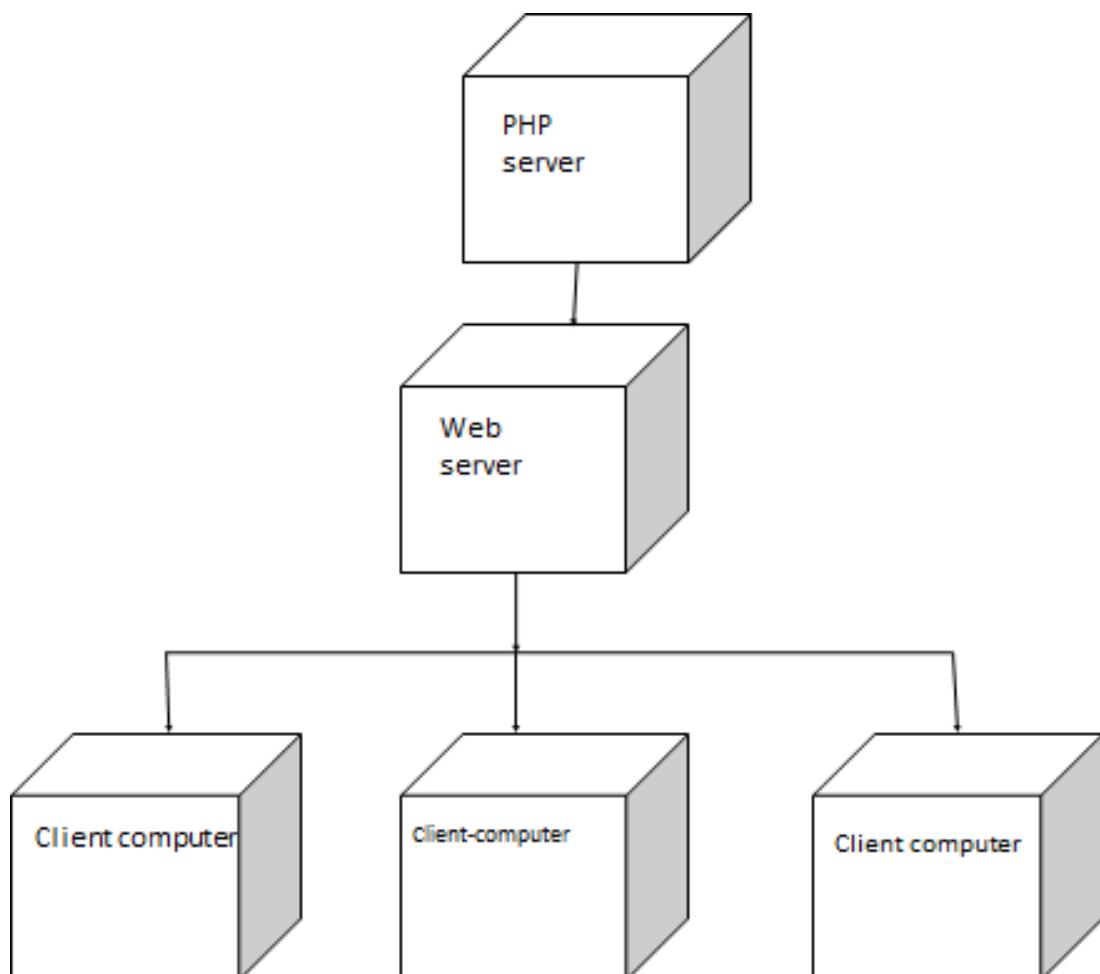
3.8. Collaboration Diagram:



3.9. Component Diagram:



3.10.Deployment Diagram:



4. Data Dictionary

1. Admin:

Sr. No	Field Name	Data Type	Constraint	Field Length	Description
1	admin_id	INT	PRIMARY KEY	-	Unique identifier for the admin
2	username	VARCHAR	NOT NULL	50	Admin's username
3	password	VARCHAR	NOT NULL	100	Admin's password
4	email	VARCHAR	NOT NULL	100	Admin's email address

2. Donor:

Sr. No	Field Name	Data Type	Constraint	Field Length	Description
1	donor_id	INT	PRIMARY KEY	-	Unique identifier for the donor
2	name	VARCHAR	NOT NULL	100	Donor's name
3	email	VARCHAR	NOT NULL	100	Donor's email address
4	phone	VARCHAR	NOT NULL	20	Donor's phone number
5	address	VARCHAR	NOT NULL	200	Donor's address

3. Charity:

Sr. No	Field Name	Data Type	Constraint	Field Length	Description
1	charity_id	INT	PRIMARY KEY	-	Unique identifier for the charity
2	name	VARCHAR	NOT NULL	100	Charity's name
3	email	VARCHAR	NOT NULL	100	Charity's email address
4	phone	VARCHAR	NOT NULL	20	Charity's phone number
5	address	VARCHAR	NOT NULL	200	Charity's address

4. Contact Us:

Sr. No	Field Name	Data Type	Constraint	Field Length	Description
1	Contact_id	INT	Primary Key	-	Unique identifier for the history record
2	Email	VARCHAR	NOT NULL	100	Email for user
3	Subject	VARCHAR	NOT NULL	100	Subject for contact us
4	message	VARCHAR	NOT NULL	200	Message for Admin

5. Food:

Sr. No	Field Name	Data Type	Constraint	Field Length	Description
1	food_id	INT	PRIMARY KEY	-	Unique identifier for the food item
2	name	VARCHAR	NOT NULL	100	Name of the food item
3	category	VARCHAR	NOT NULL	50	Category of the food item
4	expiration	DATE	NOT NULL	-	Expiration date of the food item
5	quantity	INT	NOT NULL	-	Quantity of the food item

4.Design of Inputs

➤ Home/Index page:

FOOD RESCUE NETWORK

Home About us FAQ Login

Your saved food can bring a smile to a poor person's face

Get Started Watch Video

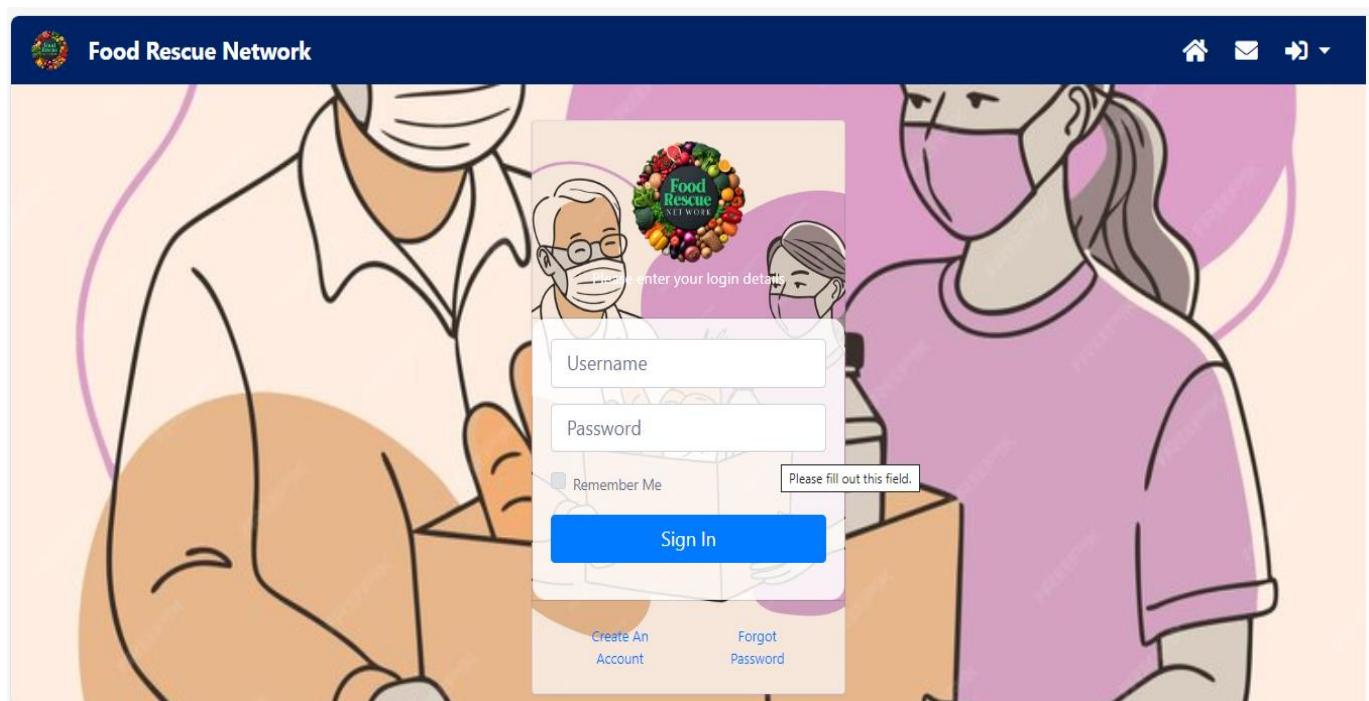


Tips To Stop Wasting Food

FINISH YOUR FOOD!!

Don't Waste Food

➤Donor Login:



➤ Donor Dashboard:

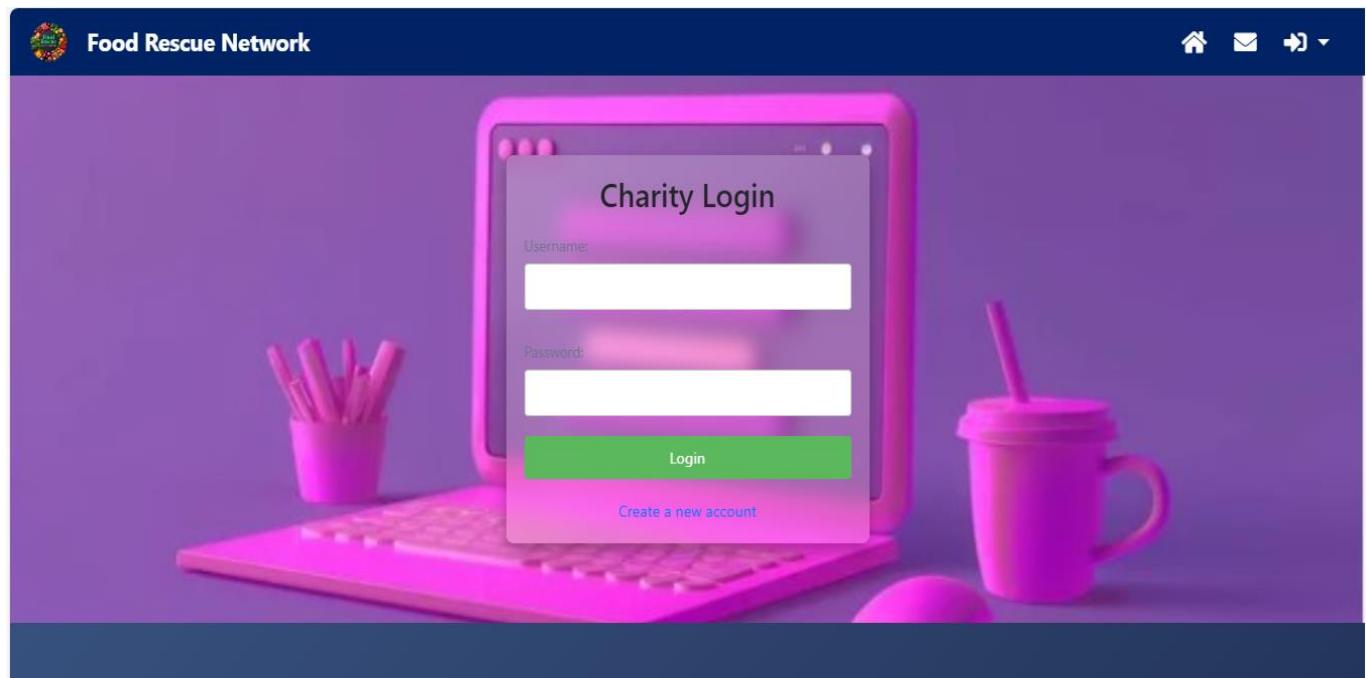
The screenshot shows a web-based donor dashboard for the Food Rescue Network. At the top, there's a dark blue header bar with the organization's logo on the left and navigation links: Home, Services, About, and Contact. On the far left, a vertical sidebar has a circular logo at the top, followed by four menu items: Add Donation, My Donations, Profile, and Logout, each with a small icon next to it.

The main content area is titled "Add New Food Item". It contains a form with the following fields:

- Food Name: A text input field.
- Food Type: A radio button group with two options: Vegetarian and Non-Vegetarian.
- Non-Vegetarian Category: A dropdown menu currently set to "Raw Food".
- Add Food Item: A green button.

Below the form is a green "Submit All" button.

➤ Charity Login:



➤Charity Dashboard:



- Home
- Services
- About
- Contact

Donated Food List

My History

Profile

Logout

Donated Food List

No food items are currently available.

Accepted Food Or Donor Details

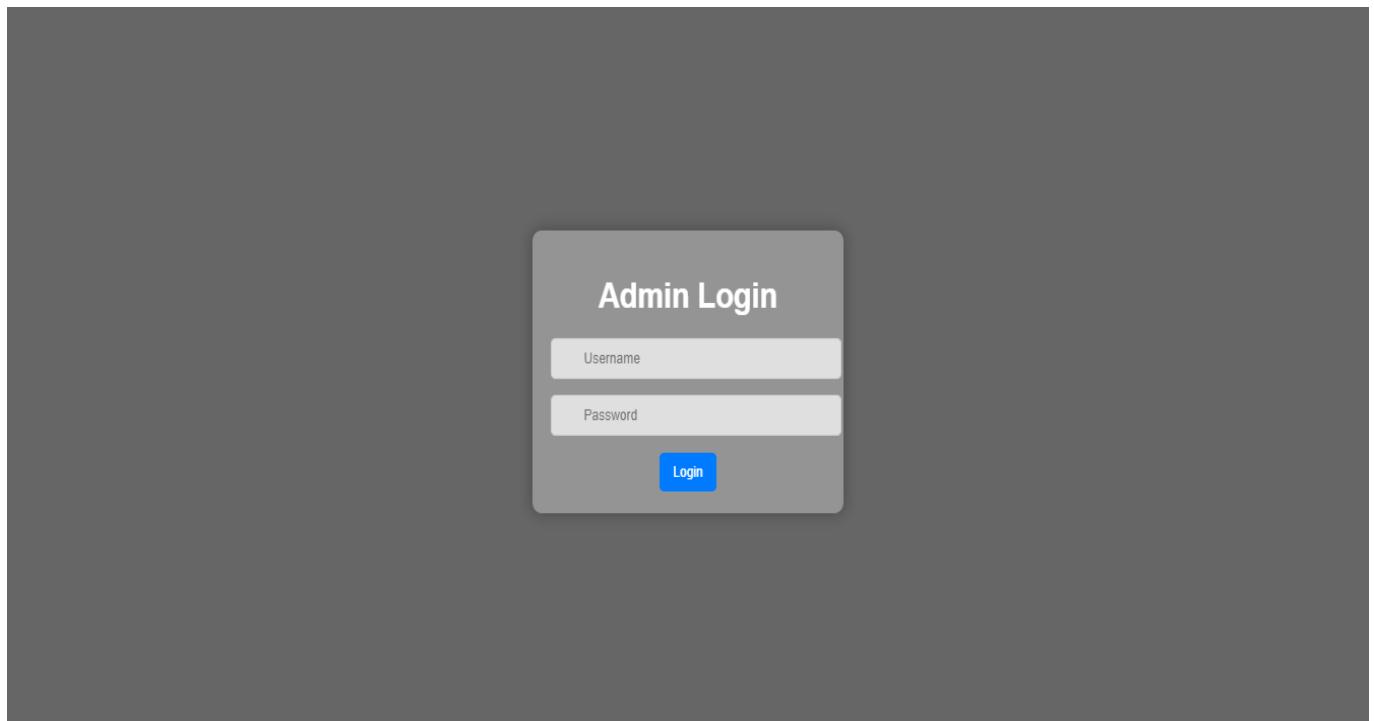
Food Name	Food Type	Food Category	Donor Name	Contact	Address	Email	Date
chapati	veg	raw	onkar	1232321212	bMT	onkar@gmail.com	2024-09-22

 [USEFUL LINKS](#) [OUR SERVICES](#) [Our Social Networks](#)

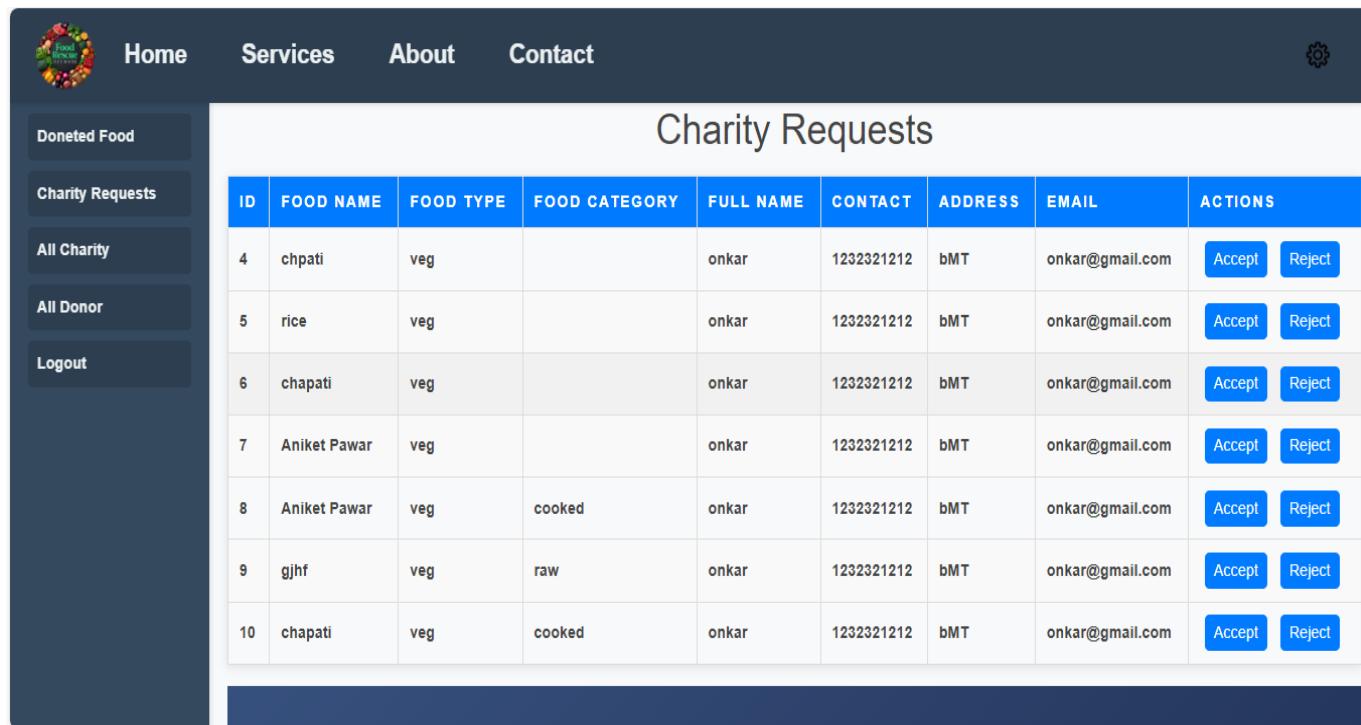
[Home](#) [Food Safety](#)

Follow us on social media to stay updated about community waste management.

➤ Admin Login:



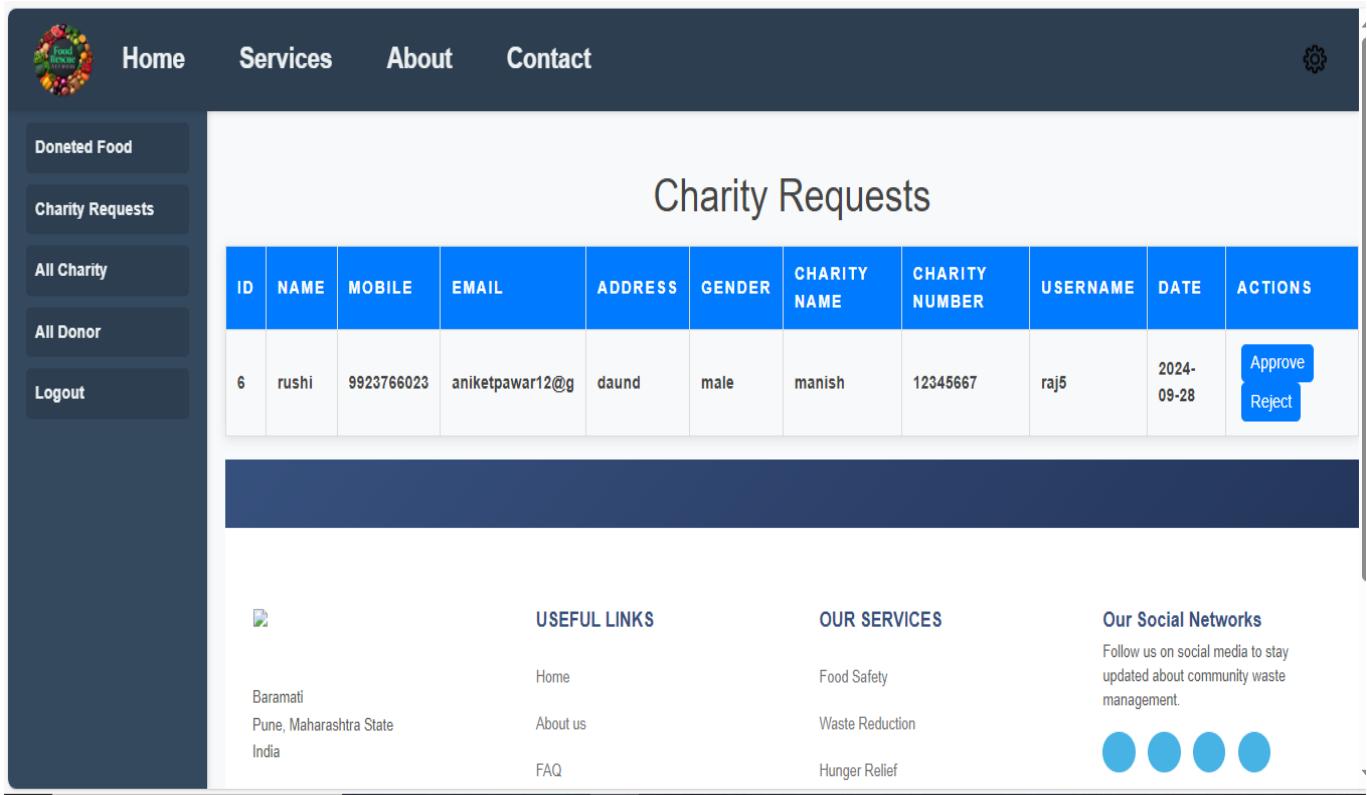
➤Admin Dashboard:



The screenshot shows the Admin Dashboard interface. On the left, there's a sidebar with a logo and links: Home, Services, About, Contact, Donated Food, Charity Requests, All Charity, All Donor, and Logout. The main area is titled "Charity Requests" and contains a table with the following data:

ID	FOOD NAME	FOOD TYPE	FOOD CATEGORY	FULL NAME	CONTACT	ADDRESS	EMAIL	ACTIONS
4	chpati	veg		onkar	1232321212	bMT	onkar@gmail.com	<button>Accept</button> <button>Reject</button>
5	rice	veg		onkar	1232321212	bMT	onkar@gmail.com	<button>Accept</button> <button>Reject</button>
6	chapati	veg		onkar	1232321212	bMT	onkar@gmail.com	<button>Accept</button> <button>Reject</button>
7	Aniket Pawar	veg		onkar	1232321212	bMT	onkar@gmail.com	<button>Accept</button> <button>Reject</button>
8	Aniket Pawar	veg	cooked	onkar	1232321212	bMT	onkar@gmail.com	<button>Accept</button> <button>Reject</button>
9	gjhf	veg	raw	onkar	1232321212	bMT	onkar@gmail.com	<button>Accept</button> <button>Reject</button>
10	chapati	veg	cooked	onkar	1232321212	bMT	onkar@gmail.com	<button>Accept</button> <button>Reject</button>

➤ Charity Request in Admin:



The screenshot shows the Food Rescue Network Admin dashboard. The top navigation bar includes links for Home, Services, About, Contact, and a gear icon for settings. On the left, a sidebar menu lists options: Donated Food, Charity Requests (which is currently selected), All Charity, All Donor, and Logout. The main content area is titled "Charity Requests" and displays a table of data. The table columns are: ID, NAME, MOBILE, EMAIL, ADDRESS, GENDER, CHARITY NAME, CHARITY NUMBER, USERNAME, DATE, and ACTIONS. One row of data is shown, representing a request from a user named "rushi". The "Actions" column for this row contains two buttons: "Approve" and "Reject". Below the table, there's a section for "USEFUL LINKS" with links to Home, About us, and FAQ. Another section, "OUR SERVICES", lists Food Safety, Waste Reduction, and Hunger Relief. A "Our Social Networks" section encourages users to follow them on social media for updates. The footer of the page shows the address "Baramati, Pune, Maharashtra State, India".

ID	NAME	MOBILE	EMAIL	ADDRESS	GENDER	CHARITY NAME	CHARITY NUMBER	USERNAME	DATE	ACTIONS
6	rushi	9923766023	aniketpawar12@g	daund	male	manish	12345667	raj5	2024-09-28	<button>Approve</button> <button>Reject</button>

6. Reports



Food Donation Report:



- Home
- Services
- About
- Contact

- Add Donation
- My Donations
- Profile
- Logout

Food Donation Details

Start Date: End Date:

Food Name	Food Type	Food Category	Date
chapati	veg	raw	2024-09-22
sahil	veg		2024-09-26
chpati	veg		2024-09-26
rice	veg		2024-09-26
chapati	veg		2024-09-27
Aniket Pawar	veg		2024-09-27
Aniket Pawar	veg	cooked	2024-09-27
gjhf	veg	raw	2024-09-28
chapati	veg	cooked	2024-09-29



Donated Food in Charity:

Home Services About Contact

Donated Food List

My History

Profile

Logout

Food Donated Details

Start Date: End Date:

Food Name	Food Type	Food Category	Donor Name	Contact	Email	Date
chapati	veg	raw	onkar	1232321212	onkar@gmail.com	2024-09-22



All Charities in Admin:

Home Services About Contact 

Donated Food
Charity Requests
All Charity
All Donor
Logout

Charity Report

Search...

ID	Name	Mobile	Email	Address	Gender	Charity Name	Charity Number	Username	Date	Status
1	ram	7769875301		daund	male	Raje trust	12345678	raj	2024-09-28	rejected
4	ram	7769875301		daund	male	Raje trust	12345679	raj1	2024-09-28	approved
5	ram	7769875305	rj@gamil.com	daund	male	Raje trust	12345649	raj2	2024-09-28	approved
6	rushi	9923766023	aniketpawar12@g	daund	male	manish	12345667	raj5	2024-09-28	pending

[Print Report](#)

7. Conclusion

The Food Rescue Network project has successfully highlighted the critical need for collaboration in addressing food waste and hunger. By connecting food donors, organizations, and volunteers, we have created a sustainable system that not only minimizes food surplus but also ensures that nutritious meals reach those in need. Our efforts have fostered community engagement, raised awareness about food insecurity, and demonstrated the positive impact of resource sharing. Moving forward, we remain committed to expanding our reach, enhancing our processes, and inspiring more individuals and businesses to join the fight against food waste. Together, we can continue to make a significant difference in our communities, promoting a more equitable and sustainable food system for all.

8. Future Enhancement

- Email verification
- Deploy website
- Add money donation system

9. Bibliography

- www.Google.com
- www.chatgpt.com
- www.you.com
- www.w3school.com
- You tube channel: Code with Harry

10. Annexure (Sample Code)

```
<!DOCTYPE html>
<html lang="en">
<head></head>
<body>
  <header id="header" class="fixed-top">
    <div class="container d-flex align-items-center">
      <h1 class="logo me-auto"><a href="index.html">Food
      Rescue Network</a></h1>
      <nav id="navbar" class="navbar">
        <ul>
          <li><a class="nav-link scrollto active"
          href="#hero"><span class="fa fa-home"> Home
          </span></a></li>
          <li><a class="nav-link scrollto"
          href="#about"><span class="fa fa-info-circle" aria-
          hidden="true"> About us</span></a></li>
          <li><a class="nav-link scrollto" href="#faq"><span
          class="fa fa-question-circle"> FAQ</span></a></li>
        <li class="dropdown">
```

```
<a class="nav-link scrollto" href="#"  
onclick="toggleDropdown()"><span class="fas fa-sign-  
out-alt"> Login</span></a>  
  
<ul id="loginDropdown" class="dropdown-  
menu">  
  
    <li><a href="donorlogin.php">Donor  
Login</a></li>  
  
    <li><a href="charitylogin.php">Charity  
Login</a></li>  
  
    </ul>  
  
</li>  
  
</ul>  
  
<i class="bi bi-list mobile-nav-toggle"></i>  
  
</nav><!-- .navbar -->  
  
</div>  
  
</header><!-- End Header -->  
  
</body>  
  
</html>
```