

ShareNeedz: An Online System for Benevolent use of Food, Cloth and Book

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This Report Presented in Partial Fulfillment of the Requirements for the Degree of
Bachelor of Science in Computer Science and Engineering

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APPROVAL

This Project titled “**ShareNeedz: An Online System for Benevolent use of Food, Cloth and Book**”, submitted by Mahinur Rahman Mim, Sabrina Akter Miti, Md. Mashrur Hossain, ID No: 191-15-12260, 191-15-12059, 191-15-12468 to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 04/01/2023.

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DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Dr. Md. Tarek Habib, Assistant Professor, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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ABSTRACT

Wasting edible food in houses, restaurants and weddings are getting normal. In our country, nearly half of children don't get food to meet their daily nutrition value. On the other hand, wealthy people are throwing away edible food regularly. Some people are donating food to the needy but they can't do it on a regular basis. That's why we developed a website that helps them share their food, clothes and books, which they don't need. A user can post their food/items which are termed as waste after their use. Users can share food, clothes and books. For sharing, users have to register on our website. Signup is easy, the user needs to input only his name, email and contact number. Then he will select the category and input his/her name, contact number, address, food expiry date and time (not needed for book and cloth), and input some images of his/her shared item. A user can input a maximum of 4 images. This request is posted on the website. Needy people can raise a request for the food/items. For requesting they have to create an account. Once the request has been made SMS will be sent to our registered volunteers. SMS will contain the sharer's name, address and contact number. Then volunteers will see pickup and delivery details from the website and pick the shared item and deliver it to the requester. Our volunteer team is 24/7 ready to deliver them to the requester. A requester can also pick the shared item from the sharer as the post will have sharer details. Benevolent users can donate to us to help us reach many people. Users can donate to us through MFS or bank account or card. Users will get our account numbers on the website. This is our first step towards reducing food and other wastes.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

ShareNeedz is a platform to create a community of benevolent people who wants to share their leftover food or other thing to underprivileged people but can't do it on regular basis [1]. There is no specific system to reduce food waste in our community. Our website can give underprivileged the required food or things they need. Our website can give meritorious poor student free books. In our website all are users. A user can post their food/item details. Needy people can raise a request for the food/item. Our volunteer team is 24/7 ready to deliver them to the requester. Our website is also available on Bangla language.

1.2 Motivation

In a Food Waste report of the United Nations Environment Program (UNEP) it is stated that a Bangladeshi waste 65kg of food a year [2]. In the report, The State of Food Security and Nutrition in the World 2017, the statistics revealed that in Bangladesh, there are 24.4 million underprivileged people who are not getting proper nutrition [9]. This covers 15.1% of its population [3]. It increased in the past decades. Some people want to donate their extra food to the needy but they can't do it on a daily basis due to many problems. That's why we want to create a connection between them. We intend to use the extra food for needy and hungry people. They can also get clothes and books. Meritorious students who can't buy books will get books.



Figure 1.1: Leftover food thrown at a wedding [26].

1.3 Objectives

The objectives of this website are:

- To reduce the wastage of food, clothes and books.
- It can create a habit of sharing items instead of throwing them.
- It can aware people of how it feels to be deprived.
- To deliver books to the right/meritorious students.



Figure 1.2: Benevolent people helping poor [26].

1.4 Learning Outcomes

From this project: A website that will help people share food, clothes and books in a better way. Website will be user friendly and appealing. Meritorious students who can't buy books will get books.

Personal Expectations: We can become a professional web developer. We can gain valuable work experience and explore a carrier path by developing and refine skills with gaining confidence and transition in to a job [11].

1.5 Layout of the Report

This section describes the layout of the report [16].

- Chapter 1 has introductory discussion about the project's zeal, aim and future outcomes of the project.
- Chapter 2 shows us the problems and challenges of managing food waste in Bangladesh and existing works related to it.
- Chapter 3 shows us the functional requirements of our website in use case and class diagrams.
- Chapter 4 shows us about our project's frontend and backend designs.
- Chapter 5 shows us the execution and testing.
- Chapter 6 tells us about the conclusion and future developments.
- Chapter 7 has references.

CHAPTER 2

BACKGROUND STUDY

2.1 Introduction

Before working on any project researching about the project's advantages and disadvantages is important for sustainability of the project. We have to check if there is any existing or similar works are done or in process. We have to find loopholes and missing features in those works to make our project best for society. This chapter explore those points.

2.2 Related Works

To make a website good for use first we have to remove the problems users face with an existing website. But we are deeply sorrowful that no website is developed till now. This is the first share-request website in Bangladesh. But e-commerce sites are slightly same as to our process of delivering items.

Bikroy.com: This is an e-commerce site that enables users to buy and sell items. Here 2nd hand items are mainly found. A customer or user posts his item description and another customer or user buys that. 2 customers can themselves buy and sell the items. Here users can get items delivered like normal e-commerce also. But customers need to pay to buy the items [6].

Bidyanondo Foundation: It is a non-profit organization that helps the poor community of Bangladesh. It helps the poor during natural disasters and also serves daily free food to poor people. [5] It has 5000 donators which of them are Bangladeshi but maximum donations come from abroad. They cook food for the poor daily [4].

UNAIDS: It is an organization of the United Nations to help the needy and poor. But here donation is needed to help the poor [7].

Foodpanda Bangladesh: It is a food delivery platform in Bangladesh that delivers food and grocery items to customers from restaurants. Recently they launched an initiative with bidyanondo to reduce the wastage of food [5]. But here only the canceled orders of food panda are delivered to the poor. This process is lengthy because first food is canceled then it is given to bidyanondo and then to the poor. This initiative entirely depends on cancelation [8].

Daraz: It is an ecommerce platform where buyer can buy their desired product. Sellers uploads products details along with images and price. They have delivery riders to deliver the products to the buyers. They deliver grocery items also [19].

Pickaboo: It is also an online shopping platform to buy products. They are specialized in electronics, fashion items, mobiles, computer. Here product details are uploaded with images and price. But here admin upload details not seller [20].

Chaldal: It is an online grocery shopping platform where household kitchen items, fresh vegetables and mainly grocery items are available. They picked the products from different seller and keep in their warehouses [21].

BRAC: It is a non-profit charitable organization to help the needy and deprived people live in society with heads high. Their task is mainly social development, social enterprises, investment and education. They get donations from foreign as well as inside Bangladesh. They also create skilled graduated in their brac university [22].

Action Aid: They are charitable organization who works for women rights and gender equity, child sponsorship, supporting entrepreneurs, finance, meal etc. They help deprive children get family [23].

2.3 Problem Statement

In our country wastage has not been cared about. In restaurants, weddings, and even in houses food wastage is high. In 1 place people are wasting food and, in another place, people can't have a basic 3 times meal a day. They don't get proper nutrition. Sometimes poor people eat food from the waste areas which can even make a strong heart person cry. Meritorious students don't get books to study. Bangladesh has got 24.4 million or 15.1% of undernourished people. Many individuals help the poor by giving them money, food, and clothes but are not sustainable. Every day a job holder can't donate food roaming on streets. It is not a sustainable process.



Figure 2.1: (left) table full of foods. (right) But poor childrens not getting enough food.

2.4 Challenges

- To make people share their foods, clothes and books.
- Making our requesters easy to request and get it.
- Reduce the percentage of food waste.
- Logistic support.
- To run this initiative in entire Bangladesh

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Requirement Collection and Analysis

For any project requirement analysis is considered a top priority. It is like the base of a project. If the requirements are unclear and then final outcome will be bad, the development costs will be high. In our case, it was tougher because this kind of website is 1st in Bangladesh. For collecting requirements, we raise questions to ourselves and tried to find the solution. We also tried to find the solution by talking to our friends, teachers, and some underprivileged people. We thought about how we can make the system useful for users. We have also thought of future prospects. We showed different diagram for our project. We used draw.io for it [24].

3.2 Functional Requirements

User:

1. User can register and login with their name, email, mobile number and password.
2. User can share their unneeded foods, clothes, books in the website. Post details include pictures of food, time of food cooked, name, address, mobile number. User can upload max 4 pics.
3. User can request for foods, clothes, books in the website. When user will request for food, volunteers will get SMS in phone. Volunteers will collect the food from sharer and give it to requester. Requester can themselves collect the food if they want.
4. User can donate for our initiative. Donation system is manual. In donation page user will see the MFS and bank account numbers. Users will get donation receipt from admin after successful donation if they register. It will show in donation receipts section in user's profile.
5. User can send msg in messenger chat from website.
6. User can register, login, share, request both in Bangla and English language.
7. User can search for specific post.
8. User can edit his information from his profile.

Volunteer:

1. Volunteer registration and login with their name, email, mobile number and password. Volunteers have unique id.
2. He can see all requests in his profile page. He can accept requests from there.
3. He can edit his information from profile page.

Admin:

1. Admin login.
2. Admin can see number of users, volunteers and their name and email.
3. Admin can see all shared post.
4. Admin can see all pending and accepted requests.
5. Admin can see which volunteer has accepted the request.
6. Admin can edit, delete the post if post is not valid or fake.
7. Admin can add, delete, update MFS accounts numbers and bank account numbers from his dashboard.
8. Admin can directly reply to user's query from messenger.
9. Admin will give donation receipt to registered users who have done donation.
10. Admin can add, update, delete website's slides, gallery, top donator list from his dashboard.

3.3 Use Case Model and Description

Use case gives us clear idea about the features of websites. What are the features of website?

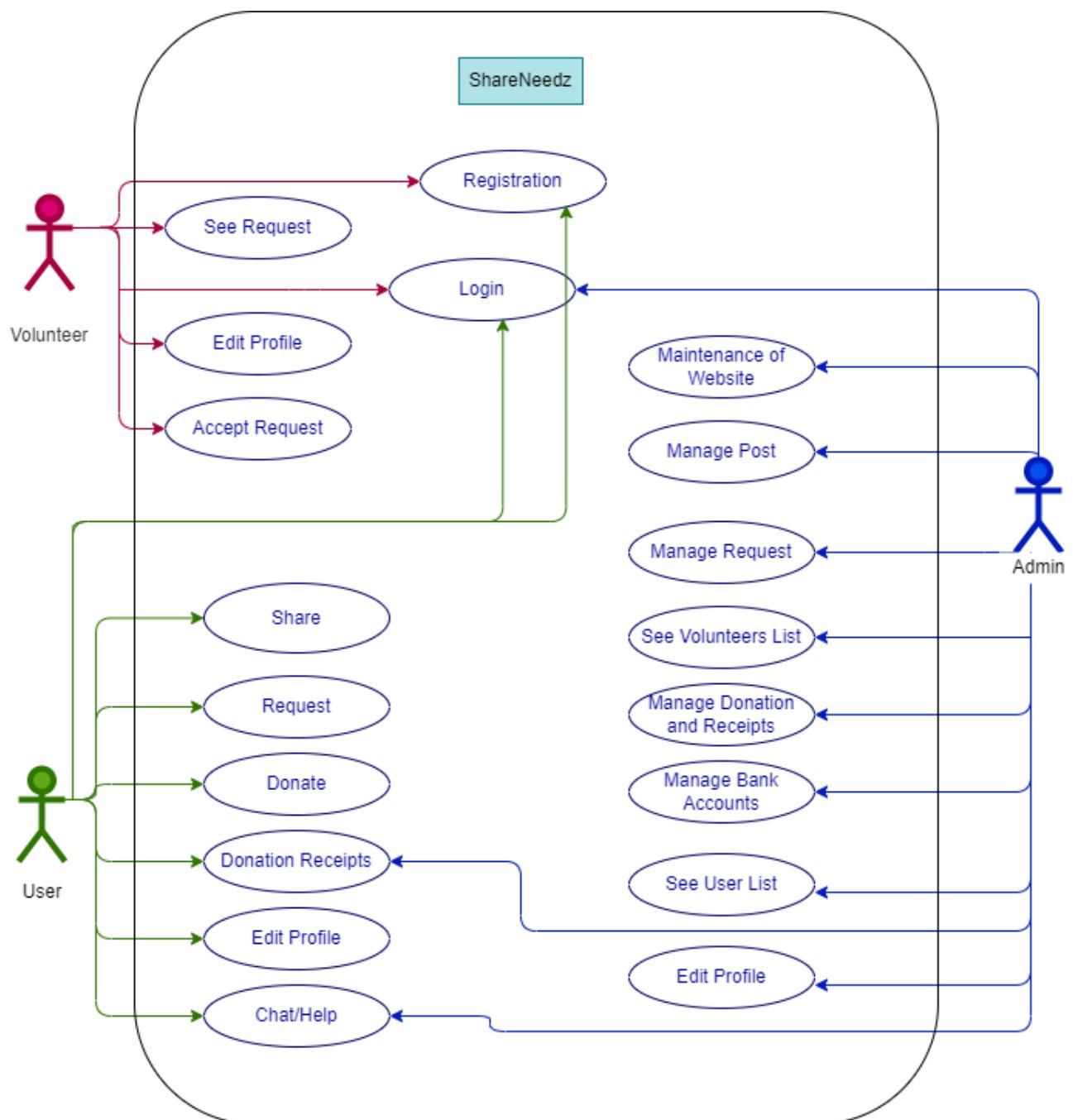


Figure 3.1: Use case diagram

Table 3.1: Signup for user and volunteer

Use case title	Signup
Type	Primary
Actors	User, volunteer
Description	User, volunteers can create a new account to register.

Table 3.2: Login for user, volunteer and admin

Use case title	Login
Type	Primary
Actors	Admin, user, volunteer
Description	Admin, User, and volunteer can login.

Table 3.3: Realtime messenger chat for asking any question

Use case title	Chat/Help
Type	Primary
Actors	User, admin
Description	A real-time chat is available on the home page for 24/7 help. Admin answer all the query of users.

Table 3.4: Shares done by benevolent users

Use case title	Share
Type	Primary
Actors	User
Description	Users can share their excess food with the needy. They just have to give their food images, addresses, and mobile number in the post. They can also share clothes and books.

Table 3.5: Request done by underprivileged users

Use case title	Request
Type	Primary
Actors	User
Description	Users (needy people) can request food, clothes, and books posted by sharers. Once requested a volunteer will deliver the food to the requester.

Table 3.6: Volunteers will see request of users

Use case title	See Requests
Type	Primary
Actors	Volunteer
Description	Volunteers see the requests by users to deliver the requested item.

Table 3.7: Donation given by benevolent peoples

Use case title	Donate
Type	Primary
Actors	User
Description	Generous users can donate something to help the needy get food. Donation system will be manual. Users will see bank details on the website.

Table 3.8: Donation receipts given by admin for successful donations to user

Use case title	Donation Receipts
Type	Secondary
Actors	User, admin
Description	After donating by respective banks or MFS registered users will get a receipt. That's why donator will have to register. The receipt will be given by the admin. It will show in the user's profile.

Table 3.9: Admin manage all task of the website

Use case title	Maintenance of Software
Type	Primary
Actors	Admin
Description	Admin maintains home page banners, gallery, top donator lists.

Table 3.10: Admin manage all shared posts

Use case title	Manage Post
Type	Primary
Actors	Admin
Description	Admin can see posts of users. For food post, if post is not requested in 8-10 hours than the admin will immediately assign volunteer to take it and store it in the organizations warehouse. Admin can delete post after it has been completed. Admin can also edit the post.

Table 3.11: Admin manage all requests

Use case title	Manage Request
Type	Primary
Actors	Admin
Description	Admin can see the request and volunteer id who accepted it.

Table 3.12: Admin manage donations

Use case title	Manage Donation
Type	Primary
Actors	Admin
Description	Admin will manage donations given by users and provide receipts citing transaction numbers.

Table 3.13: Admin manage bank accounts

Use case title	Manage Bank Accounts
Type	Primary
Actors	Admin
Description	Admin can update, delete, and add MFS and bank accounts.

Table 3.14: Admin see volunteer list

Use case title	See Volunteers List
Type	Primary
Actors	Admin
Description	Admin can view the volunteer list. If he finds any info missing or any unusual info, he can take necessary steps.

Table 3.15: Admin see user list

Use case title	See User List
Type	Primary
Actors	Admin
Description	Admin can see the user list.

Table 3.16: Actors edit their profile.

Use case title	Edit Profile
Type	Primary
Actors	Admin, user, volunteer
Description	Actors edit their information.

Table 3.17: Volunteers accept user request

Use case title	Accept Request
Type	Primary
Actors	Volunteer
Description	Volunteer accept requests.

3.4 Software Requirement

Front-end: HTML5, CSS3, Bootstrap5, JavaScript.

Back-end: Laravel.

Database: MySQL.

For SMS service we used a non-masked SMS API [10].

We brought domain and hosting from exon host [14].

SSL is also provided [18].

This website can be accessed from any smartphone, PC, and laptop with internet connection.

3.5 Business Process Modeling

The following figure explains the Business process model of the website for user and admin.

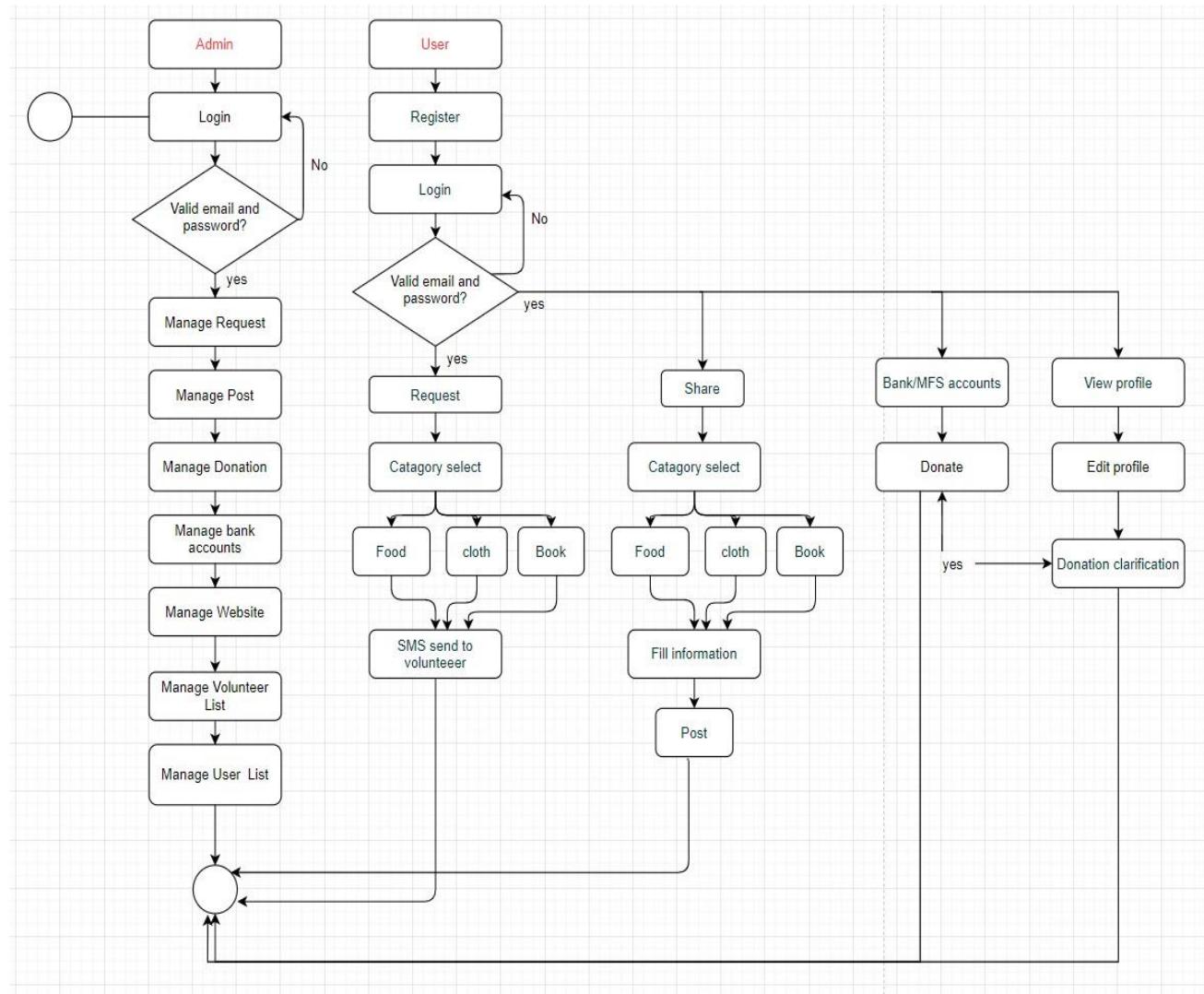


Figure 3.2: Business Process Modeling (User, Admin)

The following figure explains the Business process model of the website for volunteer.

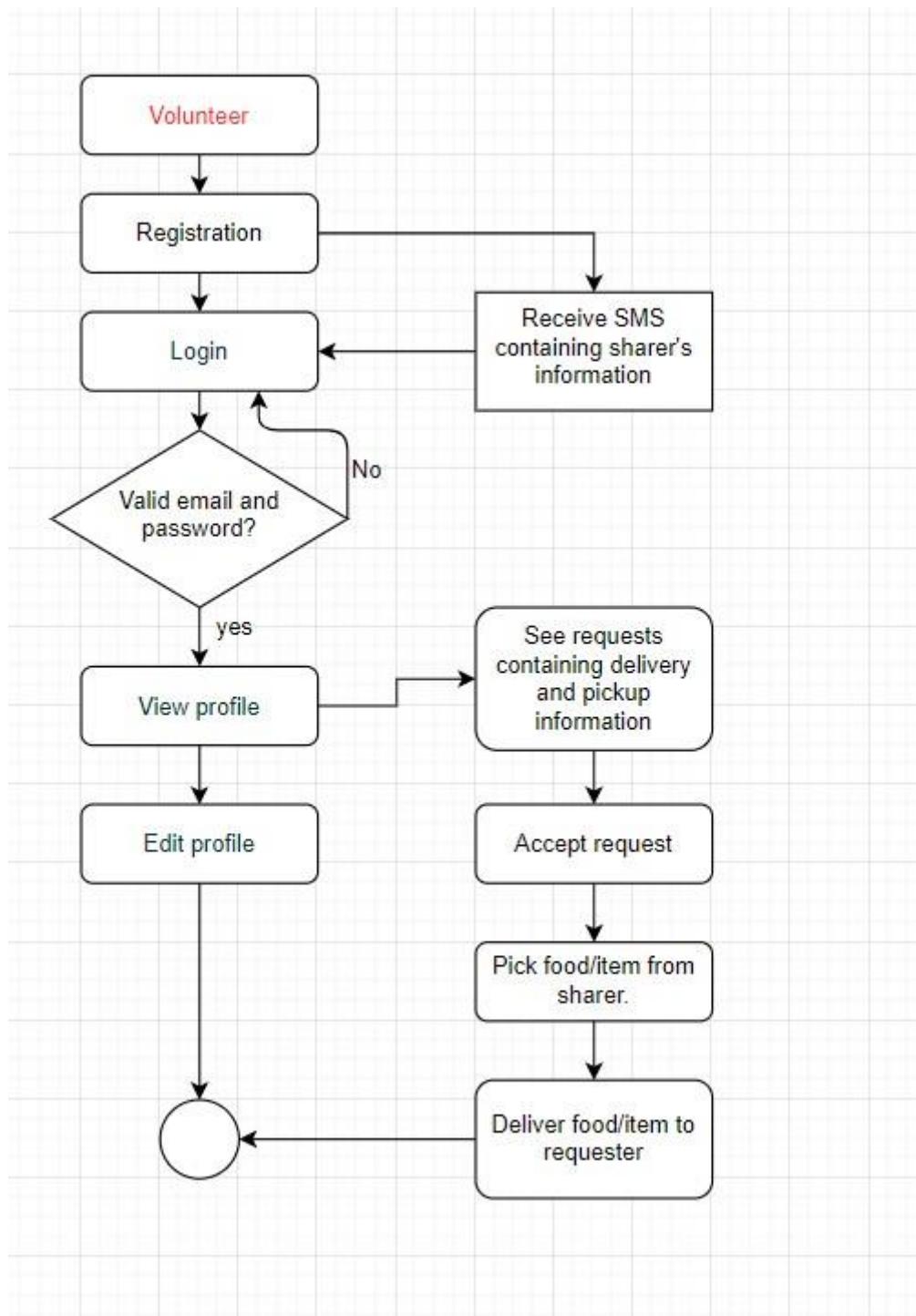


Figure 3.3: Business Process Modeling (Volunteer)

Figure 3.6 Data Flow Diagram

Below diagrams shows the DFD-0,1 of the website [27].

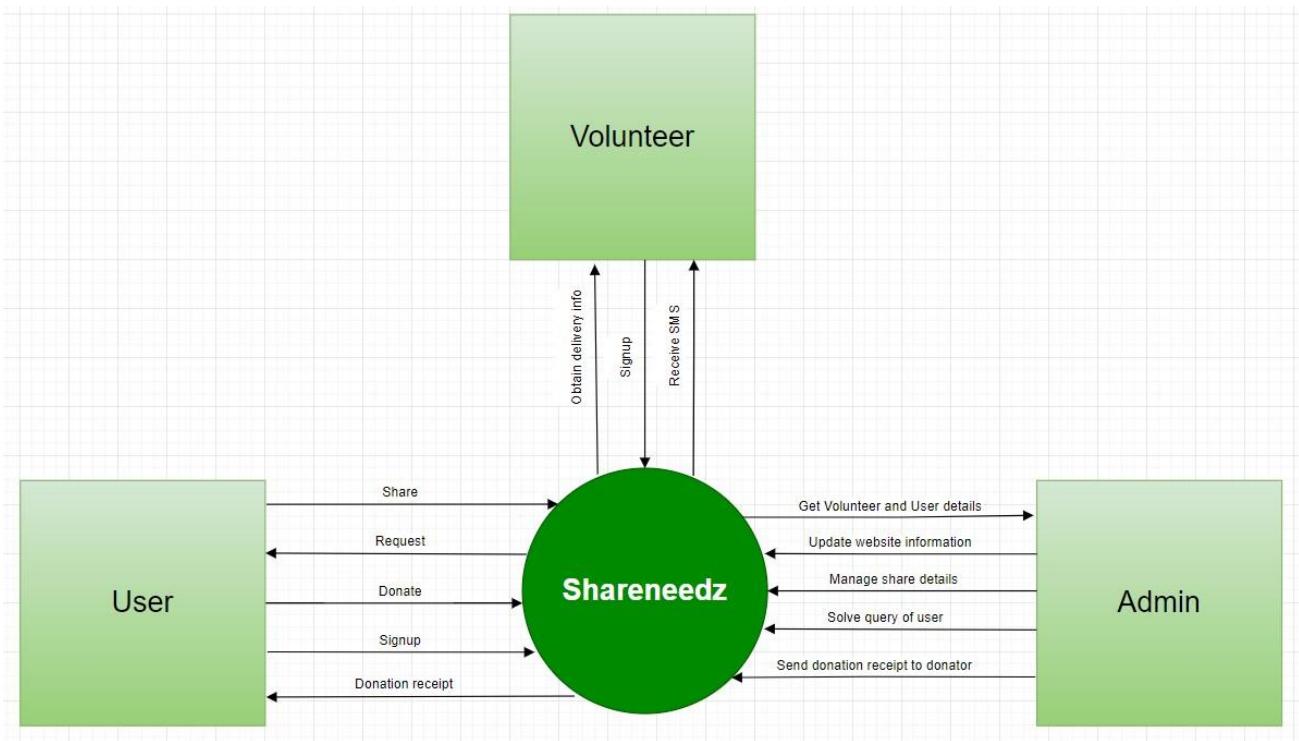


Figure 3.4: Data Flow Diagram-0

Figure 3.5: Data Flow Diagram - 1

3.7 Entity Relationship Diagram

This diagram shows the relationship of entity sets stored in website's database. In 1 word it explains the logical structure of our database [25].

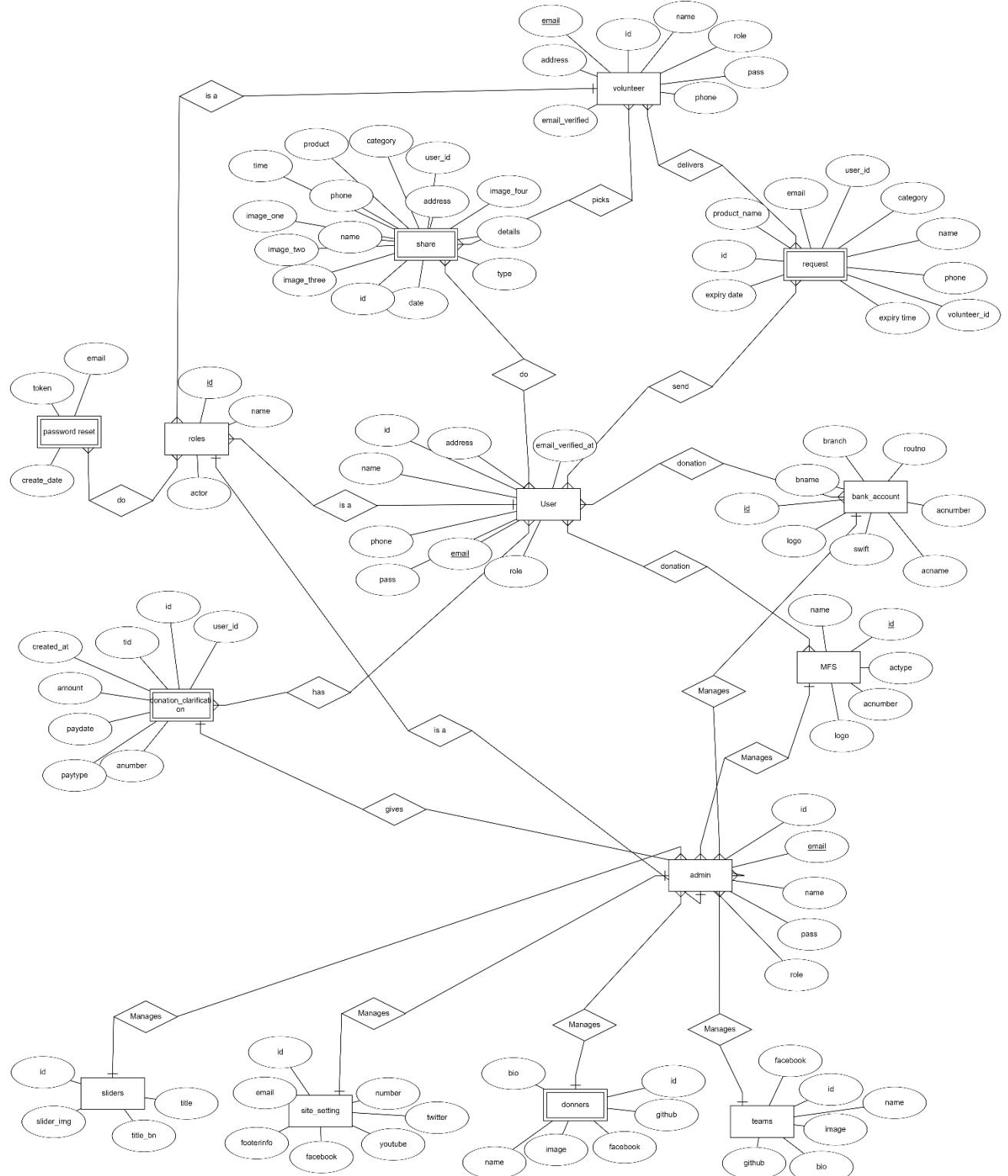


Figure 3.7: ER diagram of the website

3.8 Unified Modeling Language

This is a UML diagram of the website representing different classes and attributes.

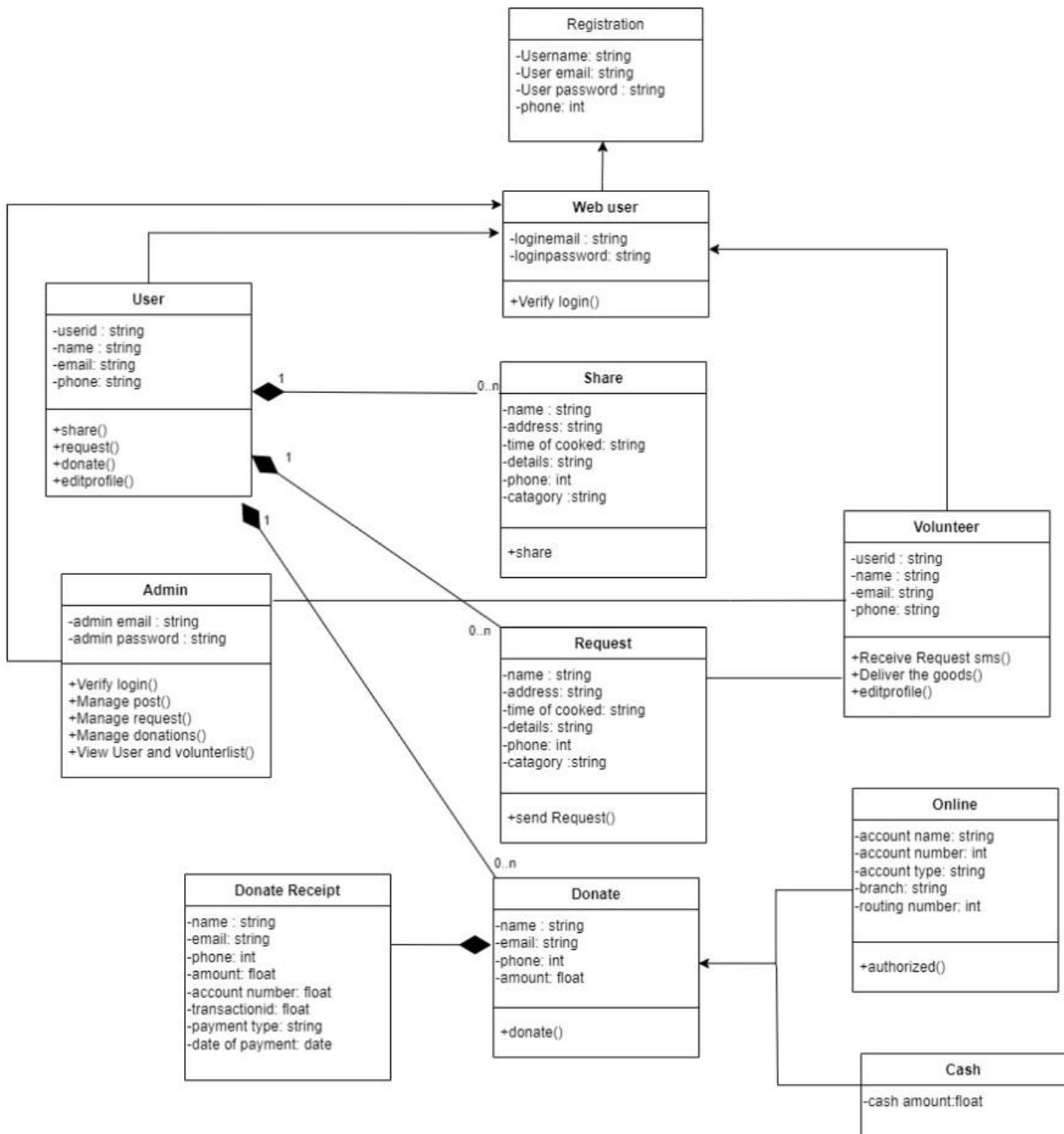


Figure 3.8: UML of the website

CHAPTER 4

DESIGN SPECIFICATION

4.1 Frontend Design

We designed the website beautifully for our beloved users. We uploaded attractive banners and icons in the website [12]. We also designed a beautiful logo for our website [13].

Figure 4.1: Home page (Web-English font)

This figure shows the home page design of the website in English language.

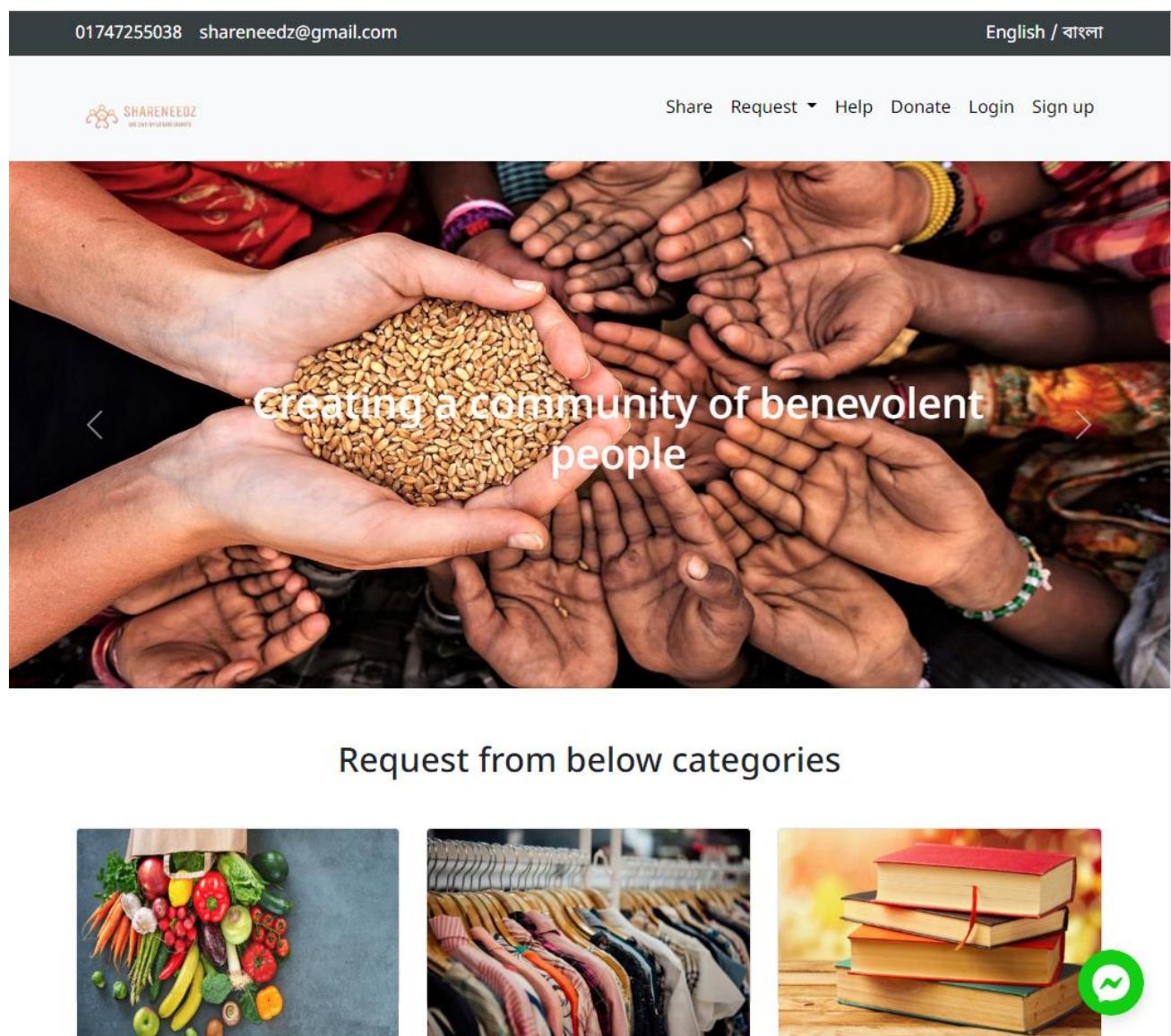


Figure 4.1: Home page (Web-English font)

Figure 4.2: Home Page (Web-Bangla font)

This figure shows the home page design of the website in Bangla language.



Figure 4.2: Home Page (Web-Bangla font)

Figure 4.3: Home Page (Smartphone)

This figure shows the home page design of the website for Smartphone Devices.

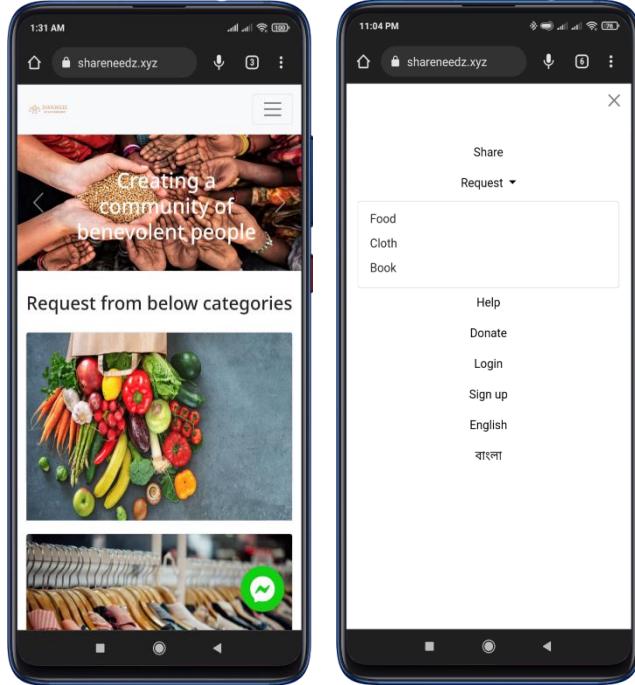


Figure 4.3: Home Page (Smartphone)

Figure 4.4: User/Volunteer Registration (English and Bangla font)

This figure shows the user and volunteer registration in english and bangla. Signup page design is same for web.

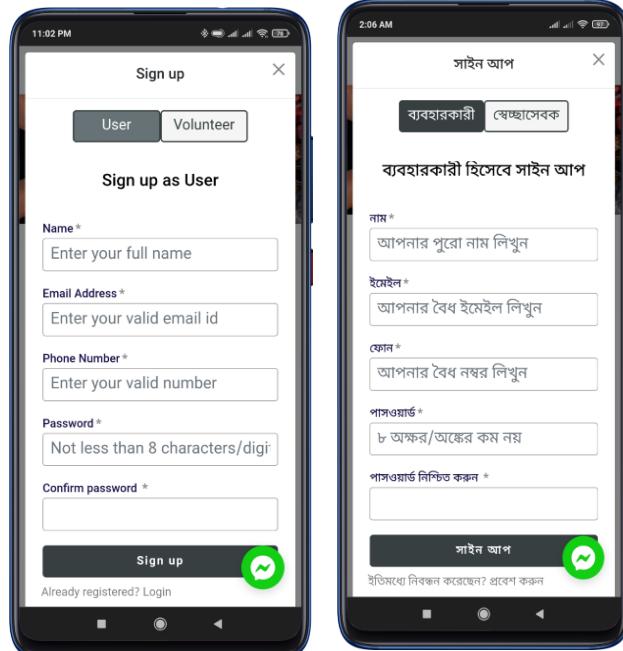


Figure 4.4: User/Volunteer Registration (English and Bangla font)

Figure 4.5: Login (English font and Bangla font)

This figure shows the login design for both fonts. Login page design is same for web.

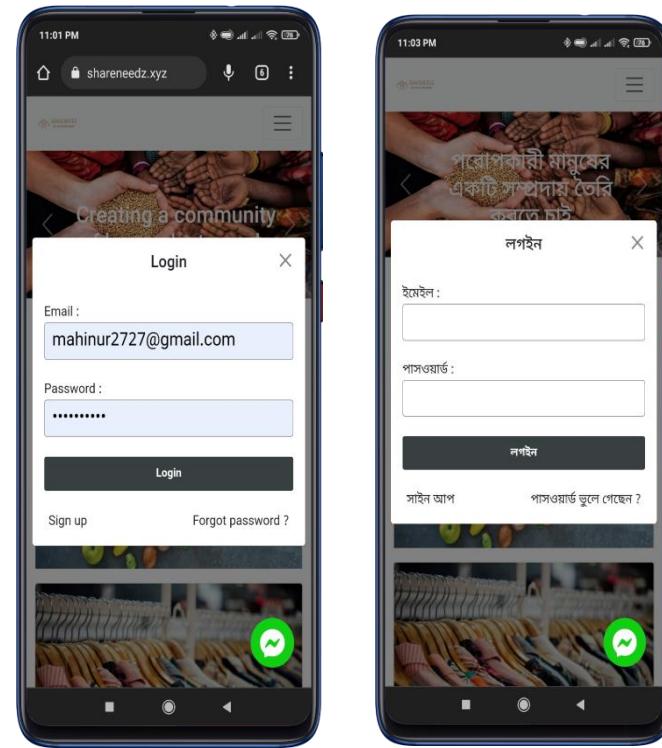


Figure 4.5: Login (English font and Bangla font)

Figure 4.6: Share Page (Smartphone)

This figure shows the share page design for Smartphone devices.

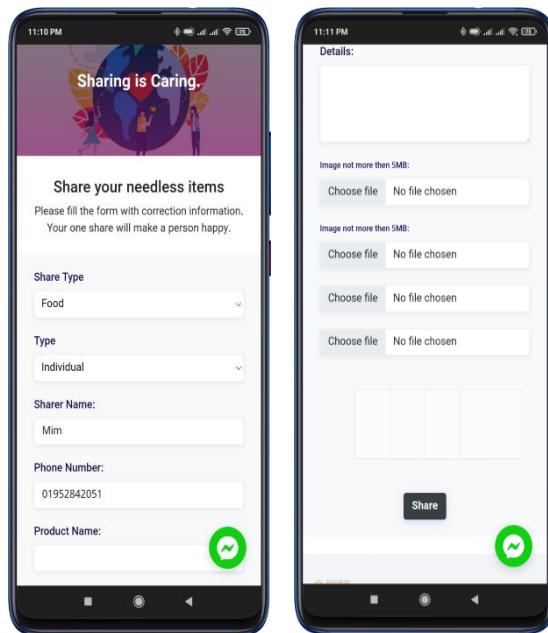
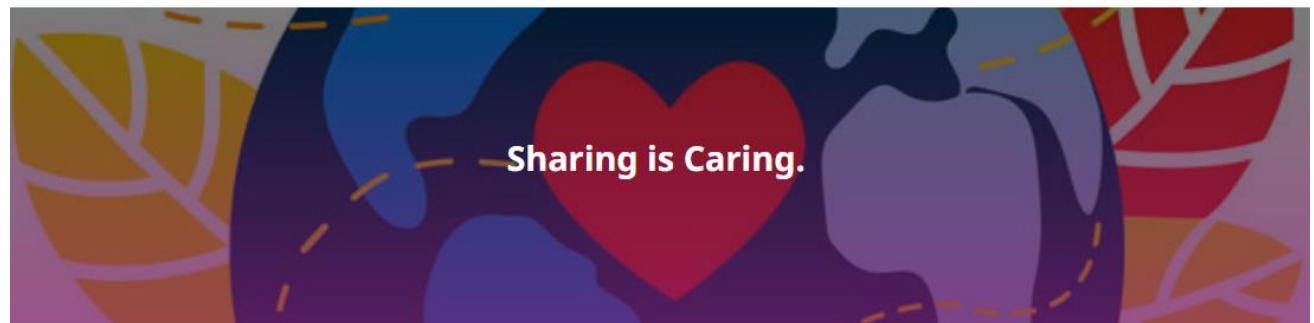


Figure 4.6: Share Page (Smartphone)

Figure 4.7: Share Page (Web)

This figure shows the share page design.



Share your needless items

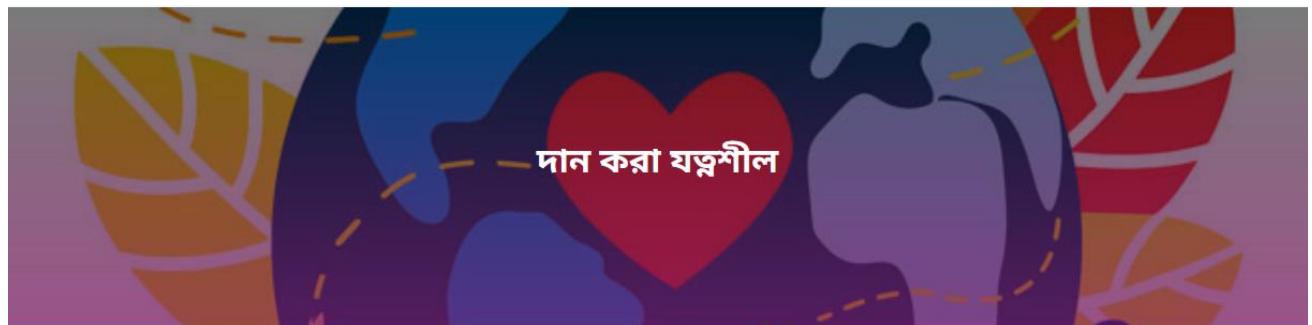
Please fill the form with correction information. Your one share will make a person happy.

Share Type	Type		
Food	Individual		
Sharer Name:	Phone Number:		
Mahinur rahman	01747255038		
Product Name:	Address:		
BBQ and khichuri	Cantonment		
Expiry Time and Date:	Expiry Time:		
11/15/2022	10:47 AM		
Details: BBQ and khichuri were made for the family. We have extra.			
Image not more than 6MB: Choose File	Image not more than 6MB: Choose File		
IMG-20210122-WA0024.jpg	IMG_20211231_213623.jpg		
Choose File No file chosen	Choose File No file chosen		
Share			

Figure 4.7: Share Page (Web)

Figure 4.8: Share Page (Web-Bangla font)

This figure shows the share page design in bangla language.



আপনার অপ্রয়োজনীয় জিনিস শেয়ার করুন

সঠিক তথ্য দিয়ে ফর্ম পূরণ করুন। আপনার একটি শেয়ার একজন গুডিধা বাস্তিকে খুশি করবে

শেয়ার ধরন	ধরন
খাদ্য	ব্যক্তিগত
প্রেরকের নাম:	ফোন নম্বর:
মাহিনুর রাহমান	১৭৪৭২৫৫০০৮
পণ্যের নাম:	ঠিকানা:
কুলি পিঠা	গুলশান
মেয়াদ শেষ হওয়ার সময় এবং তারিখ:	মেয়াদ শেষ হওয়ার সময়:
10 / 17 / 2022	03 : 24 PM
বিস্তারিত:	
কুলি পিঠা	
ছবি 6MB এর বেশি নয়:	ছবি 6MB এর বেশি নয়:
Browse... IMG_20201230_173819.jpg	Browse... IMG_20201230_173839.jpg
Browse... No file selected.	Browse... No file selected.
শেয়ার	

Figure 4.8: Share Page (Web-Bangla font)

Figure 4.9: Email Verification and Forgot Password

This picture shows us the email user, volunteer get after signup for authenticating their emails. And forgot password option to change their password.

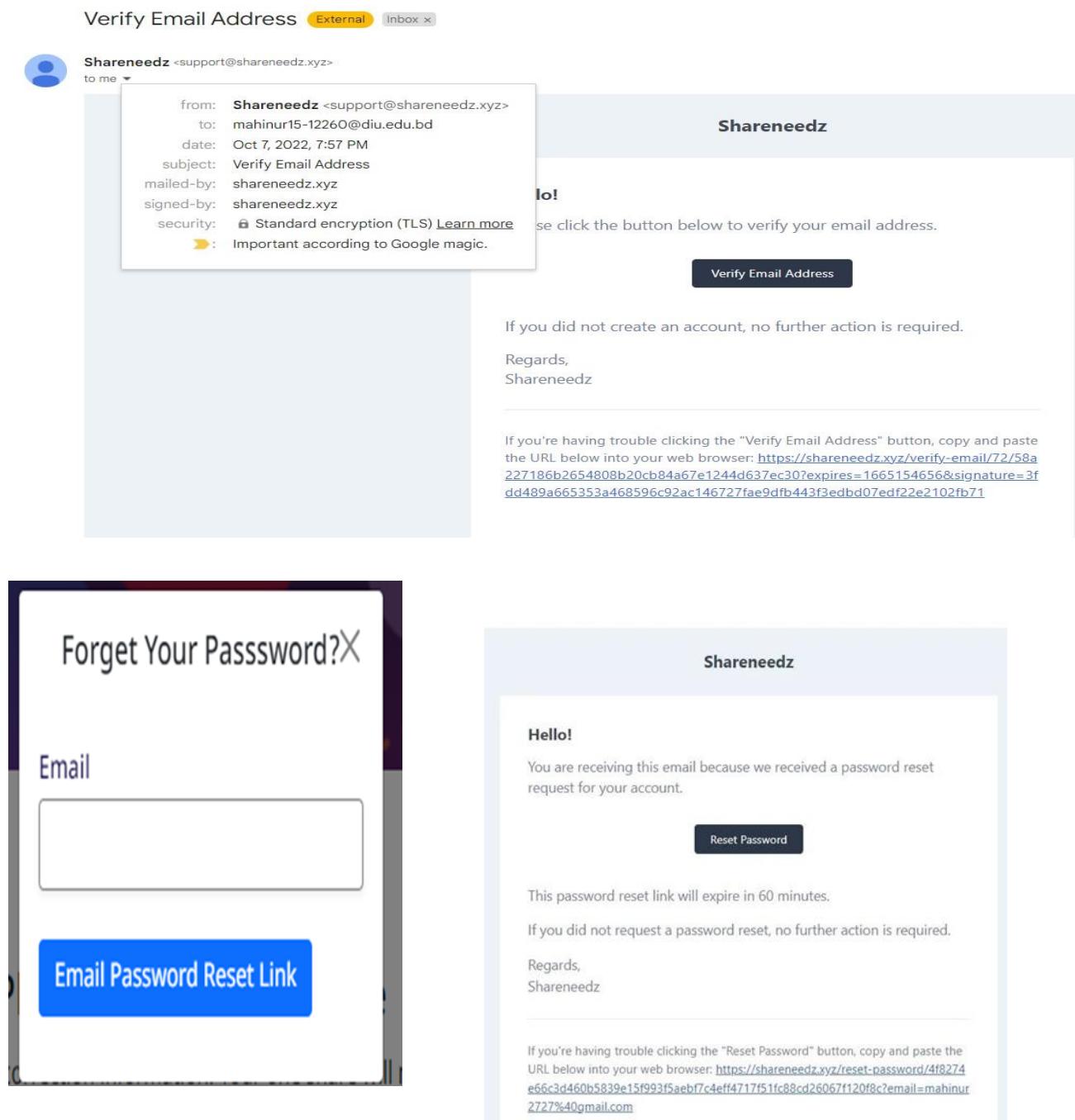


Figure 4.9: Email Verification and Forgot Password

Figure 4.10: Category Page of Food (Web)

This figure shows the page design for food posts. Here only food posts are shown.

The screenshot displays a food category page with the following elements:

- Header:** Includes user information (01747255038, shareneedz@gmail.com), language selection (English / বাংলা), and navigation links (Share, Request, Help, Donate).
- Banner:** A large, vibrant image of various food items like bread, fruits, and vegetables, with the word "Food" centered in white.
- Search Bar:** A search bar with a magnifying glass icon and a "search" button.
- Food Listings:** A grid of nine food items, each with an image, name, category, and a "Details" button.
 - Buffet menu** (Food, Restaurant)
 - Buffet** (Food, Restaurant)
 - Buffet** (Food, Restaurant)
 - Chicken Cheese burger** (Food, Individual)
 - fried rice** (Food, Individual)
 - fried chicken** (Food, Individual)
 - Italiano pizza** (Food, Individual)
 - Dhanmondi lovers pizza** (Food, Individual)
 - Naga drum** (Food, Individual)
- Pagination:** Shows "Showing 1 to 9 of 11 results" with previous/next and page number buttons (1, 2).
- Footer:** A small green circular icon with a white symbol.

Figure 4.10: Category Page of Food (Web)

Figure 4.11: Category Page of Food (Web-Bangla font)

This figure shows the food posts separately in bangla language.

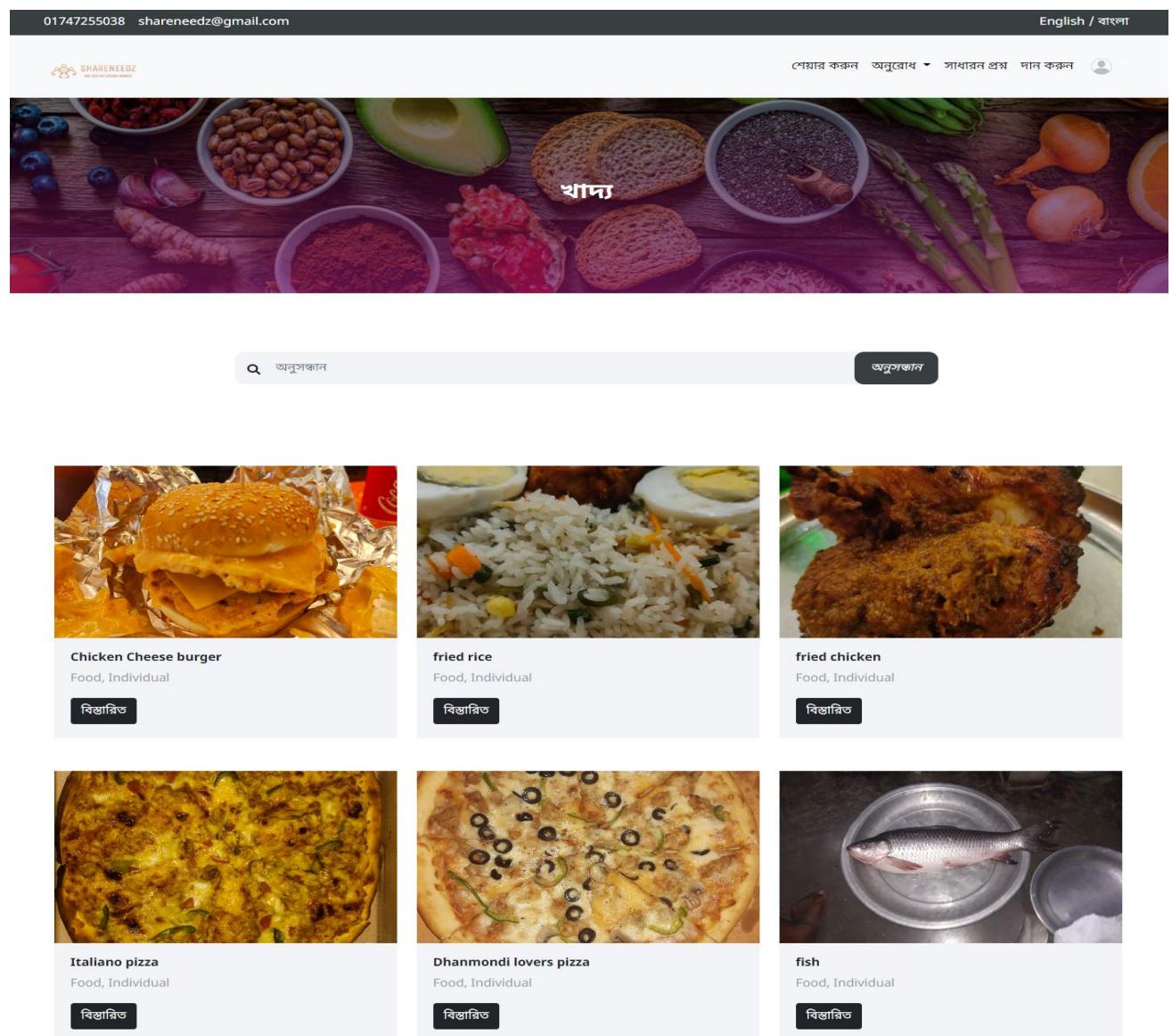


Figure 4.11: Category Page of Food (Web-Bangla font)

Figure 4.12: Category Page of Book (Web)

This figure shows the Book posts in web.

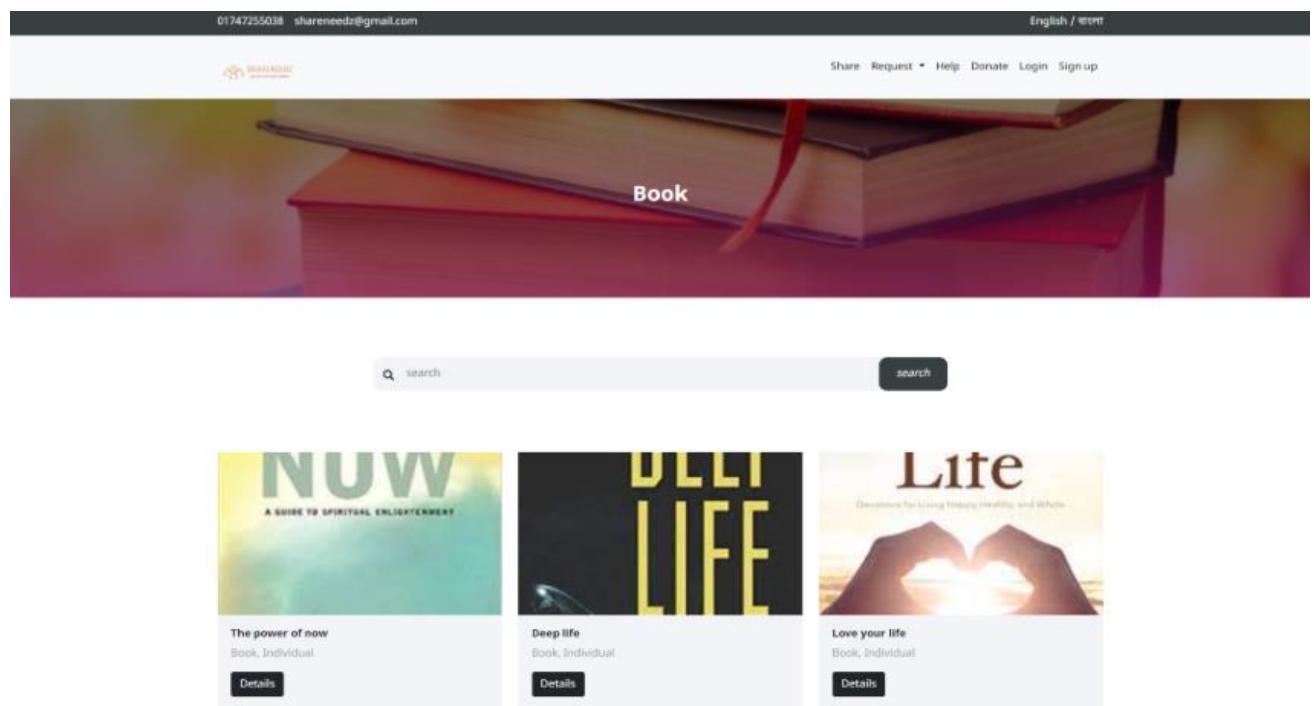


Figure 4.12: Category Page of Book (Web)

Figure 4.13: Category Page of Cloth (Web)

This figure shows the cloth posts in web.

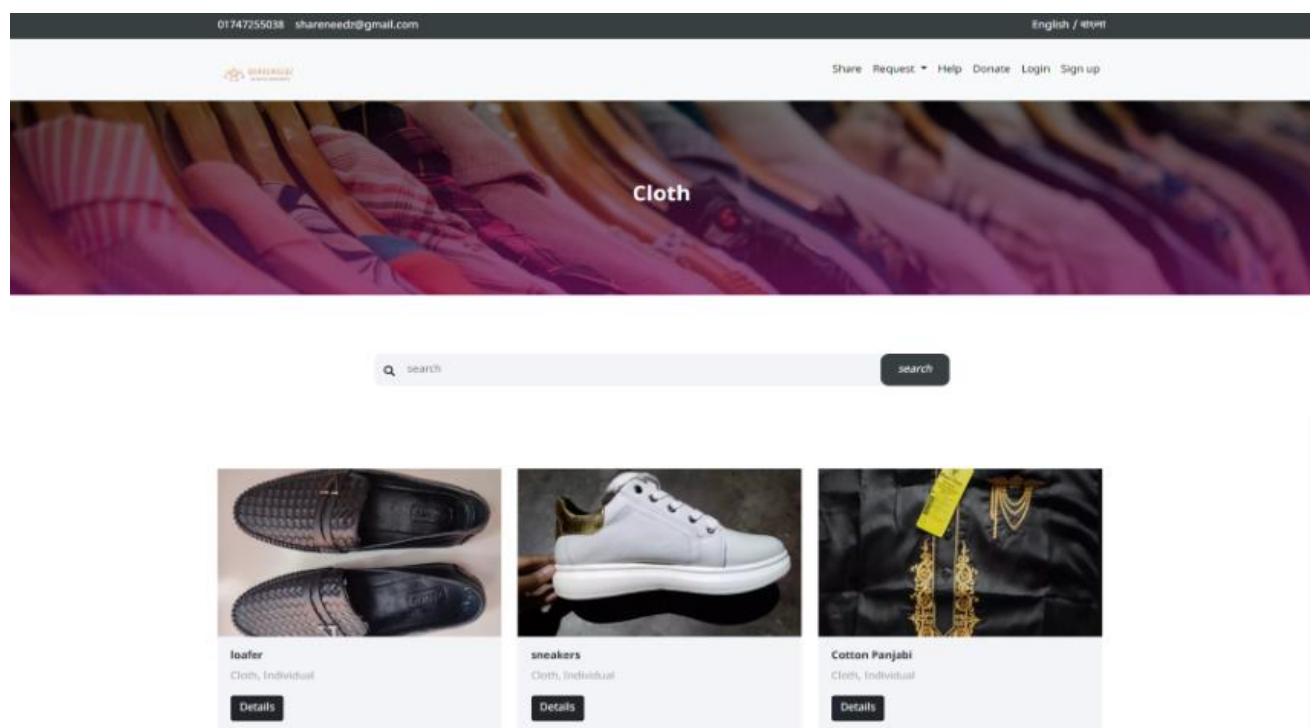


Figure 4.13: Category Page of Cloth (Web)

Figure 4.14: Category Page of Food (Smartphone)

This figure shows the food posts for Smartphone devices.

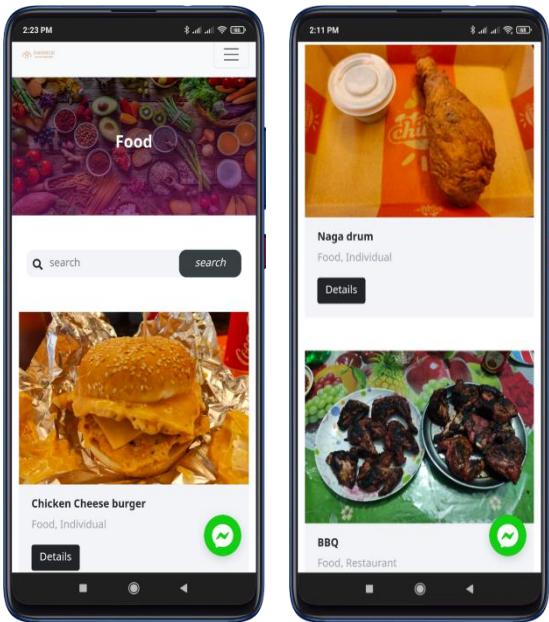


Figure 4.14: Category Page of Food (Smartphone)

Figure 4.15: Search

User can search item.

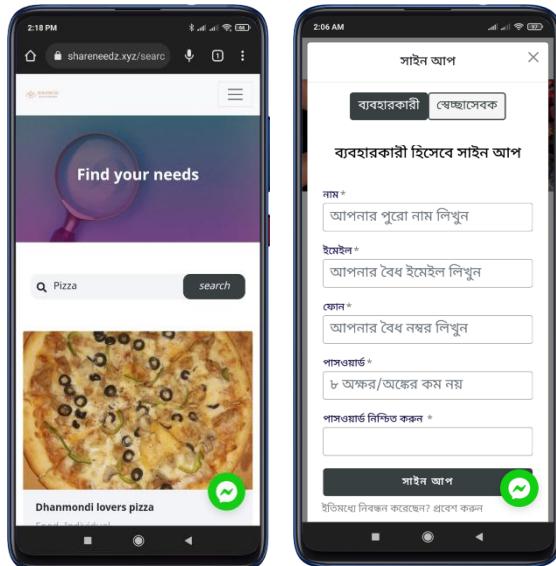


Figure 4.15: Search

Figure 4.16: Post Details Page (Web)

This figure show the post details.

The screenshot shows a web-based post details page. At the top, there is a header bar with the number '01747255038' and an email address 'shareneedr@gmail.com'. To the right of the header are links for 'Share', 'Request', 'Help', 'Donate', and a user profile icon. Below the header is a large image of a fried chicken drumstick next to a small white cup. To the right of the image is a detailed description box:

Naga drum
Sharer Name: Mashnur Hossain
Phone Number: 01980235085
Address: east razabazar
Expiry Time and Date: 19:30 2022-08-15
Details:
Ordered 4 but was able to ate 3... didn't want to waste this one that's why want to donate this P.s. don't worry the spice level isn't that much

A 'Sent Request' button is located at the bottom of the description box. Below the main image are two smaller thumbnail images of the food item. In the bottom right corner of the page, there is a green circular icon with a white message symbol.

Figure 4.16: Post Details Page (Web)

Figure 4.17: Post Details Page (Web-Bangla font)

This figure show the post details in bangla language.

The screenshot shows a web-based post details page with text in Bangla. On the left is a large image of several white, triangular-shaped dumplings in a steamer basket. To the right is a detailed description box:

কুলি পিঠা
গোলকের নাম: মাহিনুর রাজবান
ফোন নম্বর: 1747255038
ঠিকানা: কলমান
মেয়াদ শেষ হওয়ার সময় এবং তারিখ: 15:24 2022-10-17
নিষ্কারিত:
কুলি পিঠা

A 'অনুযোব পাঠ্য' button is located at the bottom of the description box. Below the main image are two smaller thumbnail images of the food item. In the bottom right corner of the page, there is a green circular icon with a white message symbol.

Figure 4.17: Post Details Page (Web-Bangla font)

Figure 4.18: Post Details Page (Smartphone)

This figure shows the post details for Smartphone devices.

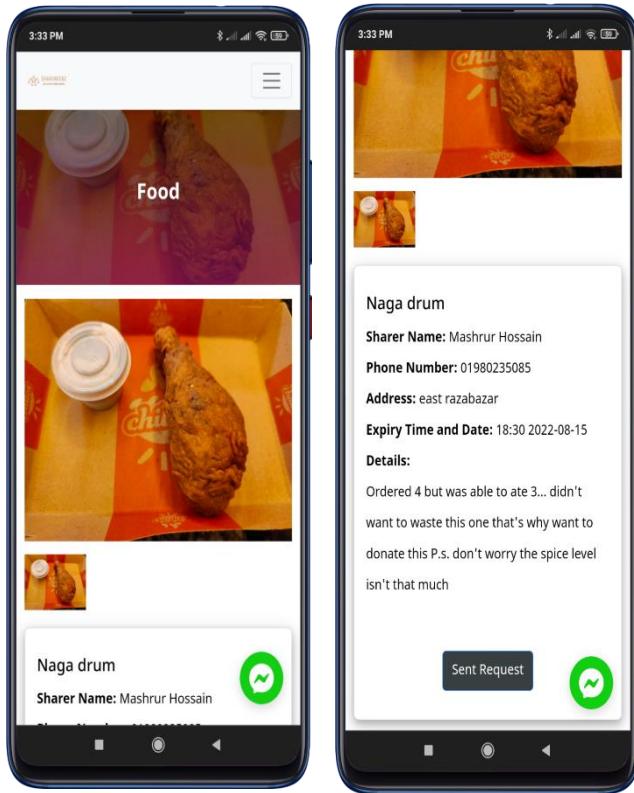


Figure 4.18: Post Details Page (Smartphone)

Figure 4.19: Donation Page (Smartphone)

This figure shows the donation page design for Smartphone.

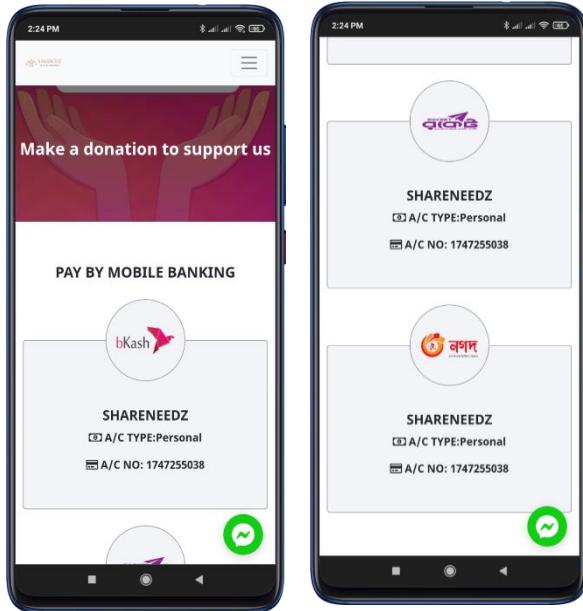


Figure 4.19: Donation Page (Smartphone)

Figure 4.20: Donation Page (Web)

This figure shows the donation page design.

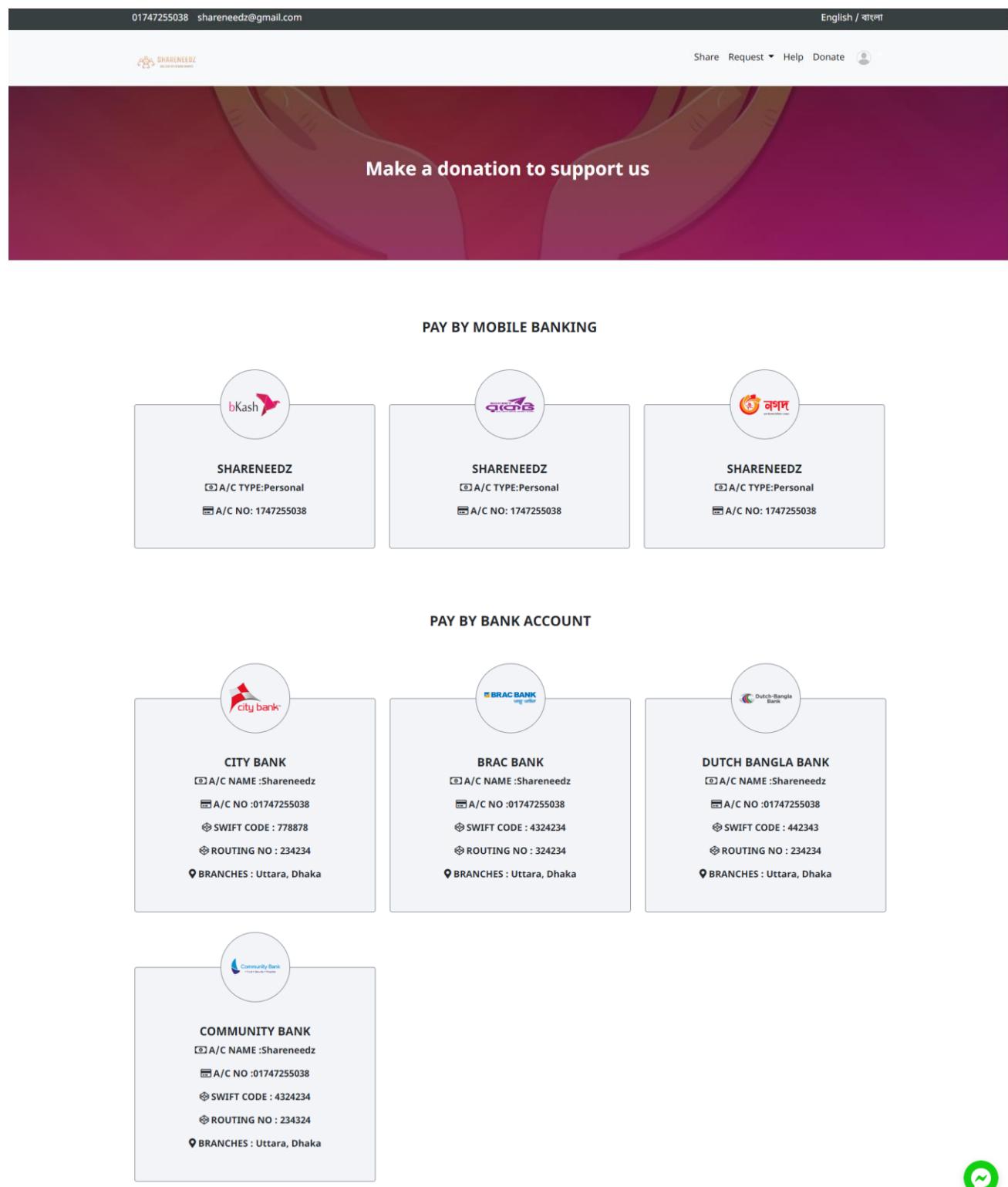


Figure 4.20: Donation Page (Web)

Figure 4.21: User Profile Page (Web)

This figure shows the design of user's profile page.

The screenshot displays the user profile page for 'shareneedz@gmail.com'. At the top, there is a header bar with the user's contact number (01747255038), email (shareneedz@gmail.com), language selection (English / বাংলা), and navigation links (Share, Request, Help, Donate). Below the header is a large circular profile picture placeholder with the text 'My Profile' overlaid. The main content area is titled 'User' and contains a circular profile picture of a person named 'Mahinur'. To the right of the profile picture, there is a form for 'BASIC INFORMATION' with fields for Name (Mahinur), Phone (01747255038), and Address (Dhaka). Below this is a section for 'Profile Picture' with a 'Choose File' button and a placeholder 'No file chosen'. At the bottom of this section are 'CANCEL' and 'UPDATE' buttons. Further down, a section titled 'Donation Clarification list' shows two transactions:

No	Account Type	Account Number	Transaction ID	Amount	Date	Action
1	Bkash	02545	ewfwfe4r45454	10000	27-Oct-2022	<button>INVOICE</button>
2	Bkash	02545	ewfwfe4r45454	10000	27-Oct-2022	<button>INVOICE</button>

Figure 4.21: User Profile Page (Web)

Figure 4.22: Volunteer Profile Page (Web)

This figure shows the design of volunteer's profile page. Profile info is same as user.

The screenshot displays two tables on a web page:

Request List

No	Name	Item name	Phone Number	Category	Address	Expiry date	Action
1	Mahinur	Chicken Cheese burger	01747255038	Food	Dhaka	2022-08-15 16:30	<button>Accept</button>
2	Mahinur	Dhanmondi lovers pizza	01747255038	Food	Dhaka	2022-08-16 18:00	<button>Accept</button>

Showing 1 to 2 of 2 entries

My Accepted List

No	Requester Name	Item name	Phone Number	Category	Address	Expiry date
1	mim	fried chicken	01747255038	Food		2022-08-16 10:00
2	Mahinur	কুলি পিঠা	01747255038	খাদ্য	Dhaka	2022-10-17 15:24

Showing 1 to 2 of 2 entries

Figure 4.22: Volunteer Profile Page (Web)

Figure 4.23: Volunteer Profile Page (Web-Bangla font)

This figure shows the design of volunteer's profile page in bangla

The screenshot displays two tables on a web page:

অনুরোধের তালিকা

নং	নাম	আইটেম নাম	ফোন নম্বর	প্রেসী	ঠিকানা	মেয়াদ শেষ হওয়ার তারিখ	কর্ম
1	Mahinur	Chicken Cheese burger	01747255038	Food	Dhaka	2022-08-15 16:30	<button>গ্রহণ করুন</button>
2	Mahinur	Dhanmondi lovers pizza	01747255038	Food	Dhaka	2022-08-16 18:00	<button>গ্রহণ করুন</button>

Showing 1 to 2 of 2 entries

আমার গৃহীত তালিকা

নং	অনুরোধকারীর নাম	আইটেম নাম	ফোন নম্বর	প্রেসী	ঠিকানা	মেয়াদ শেষ হওয়ার তারিখ
1	mim	fried chicken	01747255038	Food		2022-08-16 10:00
2	Mahinur	কুলি পিঠা	01747255038	খাদ্য	Dhaka	2022-10-17 15:24

Showing 1 to 2 of 2 entries

Figure 4.23: Volunteer Profile Page (Web-Bangla font)

Figure 4.24: Volunteer Profile Page (Smartphone)

This figure shows the design of volunteer's profile page for Smartphone.

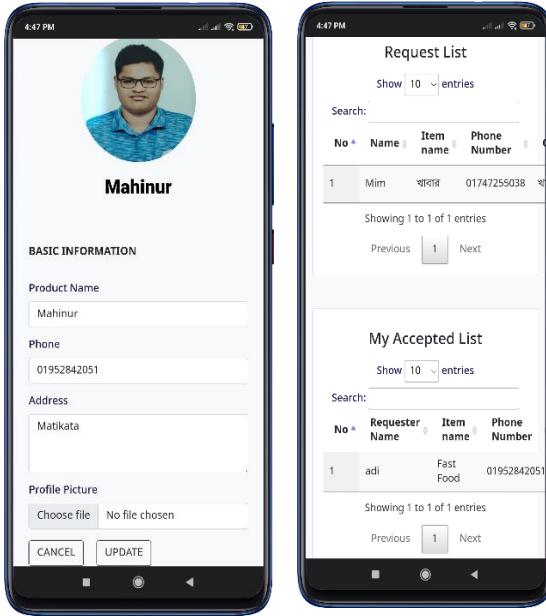


Figure 4.24: Volunteer Profile Page (Smartphone)

Figure 4.25: Help Page (Smartphone)

Smartphone version of the help page.

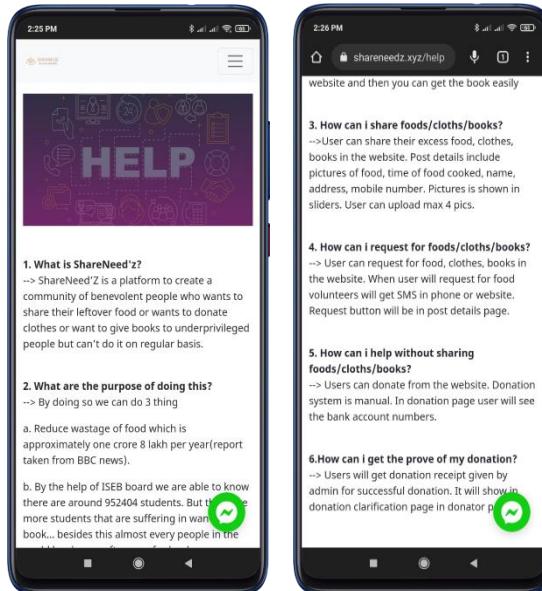


Figure 4.25: Help Page (smartphone)

Figure 4.26: Help Page (Web-English font)

User can get answer to their query from this page.

1. What is ShareNeed'z?
--> ShareNeed'Z is a platform to create a community of benevolent people who wants to share their leftover food or wants to donate clothes or want to give books to underprivileged people but can't do it on regular basis.

2. What are the purpose of doing this?
--> By doing so we can do 3 thing

- a. Reduce wastage of food which is approximately one crore 8 lakh per year(report taken from BBC news).
- b. By the help of ISEB board we are able to know there are around 952404 students. But there are more students that are suffering in want of a book... besides this almost every people in the world has a soft corner for books ... suppose you want to read a hard copy of a book and searched every where but no shop has it but our on customer has it and he doesn't want this certain book... so he can give his/her book to the website and then you can get the book easily

3. How can i share foods/cloths/books?
-->User can share their excess food, clothes, books in the website. Post details include pictures of food, time of food cooked, name, address, mobile number. Pictures is shown in sliders. User can upload max 4 pics.

4. How can i request for foods/cloths/books?
--> User can request for food, clothes, books in the website. When user will request for food volunteers will get SMS in phone or website. Request button will be in post details page.

5. How can i help without sharing foods/cloths/books?
--> Users can donate from the website. Donation system is manual. In donation page user will see the bank account numbers.

6. How can i get the prove of my donation?
--> Users will get donation receipt given by admin for successful donation. It will show in donation clarification page in donator profile.

Figure 4.26: Help Page (Web-English font)

Figure 4.27: Help Page (Web-Bangla font)

Bangla font of the help page.

ShareNeed'z কি?
ShareNeed'Z হল এমন একটি প্ল্যাটফর্ম যা পরোপকারী লোকদের একটি সম্পদায় তৈরি করে যারা তাদের অবশিষ্ঠ খাবার ভাগ করে নিতে চায় বা বক্স দান করতে চায় বা সুবিধাবাধিত লোকদের বই নিতে চায় কিন্তু নিয়মিত তা করতে পারে না।

এটা করার উদ্দেশ্য কি?
এমন করে আমরা এটি জিনিস করতে পারি

ক. খাবারের অপচয় করাতে যা বছেরে প্রায় এক কেজি ৮ লাখ (জিবিসির খবর থেকে নেওয়া প্রতিবেদন)

খ. ISEB মের্কেড সহায়ে আমরা জানতে পারি এখানে প্রায় 952404 ছাত্র রয়েছে। কিন্তু আরও অনেক কাছে যারা বইয়ের অভাবে কষ্ট পাচ্ছে... তা জাড়া পৃথিবীর প্রায় প্রত্যেক মানুষেরই বইয়ের প্রতি একটা স্বাক্ষর কর্মর আছে... ধরন অপাপনি একটা বইয়ের শার্ট কপি প্রভৃতে তান এবং সব জায়গায় অনুসঙ্গে করে কিন্তু কেন দোকানে এটি নেই কিন্তু আমাদের প্রাহকের কাছে এটি রয়েছে এবং তিনি এই নিশ্চিত বইটি চান না... তাই তিনি তার বহুটি ওয়েবসাইটে নিয়ে পারেন এবং তারপরে অপাপনি সহজেই বইটি পেতে পারেন।

আমি কিভাবে খাবার/কাপড়/বইয়ের ক্ষেত্রে পারি?
বাবরাকারী তাদের অভিযোগ খাবার, কাপড়, বই ওয়েবসাইটে শেয়ার করতে পারেন। পোস্টের বিবরণে খাবারের ছবি, খাবার রাখার সময়, নাম, ঠিকানা, মোবাইল নম্বর অন্তর্ভুক্ত রয়েছে। ভবি ম্যাইডারে দেখানো হয়। ব্যবহারকারী সর্বোচ্চ এটি ছবি এপলোড করতে পারেন।

আমি কীভাবে খাবার/কাপড়/বইয়ের জন্য অনুরোধ করতে পারি?
বাবরাকারী তাদের অভিযোগ খাবার, কাপড়, বইয়ের জন্য অনুরোধ করতে পারেন। যখন ব্যবহারকারী খাদ্যের জন্য অনুরোধ করবেন তখন বেছাসেবকরা ফোন বা ওয়েবসাইটে এসএমএস পারেন। অনুরোধ বেতাম পোস্ট বিবরণ পৃষ্ঠায় থাকবে।

খাবার/কাপড়/বই ভাগ না করে কিভাবে আমি সাহায্য করতে পারি?
ব্যবহারকারীরা ওয়েবসাইটে থেকে দান করতে পারেন। দান ব্যবস্থা ম্যাজুল। অনুদান পৃষ্ঠায় ব্যবহারকারী ব্যাস্ক অ্যাকাউন্ট নম্বর দেখতে পারেন।

আমি কিভাবে আমার অনুদানের প্রমাণ পেতে পারি?
সফল দানের জন্য ব্যবহারকারীরা অ্যাভিয়নের দেওয়া অনুদানের রিসিদ পারেন। এটি সাতা প্রোফাইলে অনুদানের স্পষ্টীকরণ পৃষ্ঠায় দেখাবে।

Figure 4.27: Help Page (Web-Bangla font)

Figure 4.28: Admin Home Page

This picture shows the admin's dashboard content.

ShareNeedz

Logout

Admin
01747255038

Dashboard

Pending Request 39

Total Volunteer 20

Share Post 39

Total User 30

ShareNeedz © 2022-2023

People Help Foundation

Figure 4.28: Admin Home Page

Figure 4.29: User List View from Admin Page

This figure shows all the user's details.

User List				
Show 10 entries	name	phone	email	address
	Mahinur	01747255038	mahinur2727@gmail.com	Dhaka
	mashrur hossain	01980235085	mashrur.hossain.nishu@gmail.com	Rajabazar
	Sabrina miti	01743123213	sabrina15-12059@diu.edu.bd	Dhanmondi

Showing 1 to 3 of 3 entries

Previous 1 Next

Figure 4.29: User List View from Admin Page

Figure 4.30: Volunteer List View from Admin Page

This figure shows all the volunteer's details and id.

Volunteer List					
Show 10 entries		Search:			
image	id	name	phone	address	email
	55	mashrur hossain	01980235085	Rajabazar	mashrur.hossain.nishu@gmail.com
	26	Omi	01954654650	Dhanmondi, Dhaka	omi@gmail.com
	25	Minhz	01954654651	Dhanmondi, Dhaka	minhz@gmail.com
	24	manik	01954654654	Dhanmondi, Dhaka	manik@gmail.com
	23	Alhaz	01954654654	Dhanmondi, Dhaka	Alhaz@gmail.com
Showing 1 to 5 of 5 entries					
Previous 1 Next					

Figure 4.30: Volunteer List View from AdminPage

Figure 4.31: Share Post List View from Admin Page

This figure shows all the shared posts.

Share Post List							
Show 10 entries		Search:					
No	Title	Name	phone	address	Category	Timeline	Action
1	Saree	Mahinur	01747255038	Dhaka	Cloth,Individual		 
2	Saree	Mahinur	01747255038	Dhaka	Cloth,Individual		 
3	Tshirt	Mahinur	01747255038	Dhaka	Cloth,Individual		 
4	Buffet menu	Aditto	01745455455	Dhaka	Food,Restaurant		 
5	Buffet	Majidul	01755545188	Dhaka	Food,Restaurant		 
6	Buffet	Annan	01742455456	Dhanmondi, Dhaka	Food,Restaurant	2022-08-20	 
7	loafer	mashrur hossain	01980235085	Rajabazar	Cloth,Individual		 
8	sneakers	mashrur hossain	01980235085	Rajabazar	Cloth,Individual		 
9	Cotton Panjabi	mashrur hossain	01980235085	Rajabazar	Cloth,Individual		 
10	Army Green Color Casual Shirt for Men	mashrur hossain	01980235085	Rajabazar	Cloth,Individual		 
Showing 1 to 10 of 27 entries							
Previous 1 2 3 Next							

Figure 4.31: Share Post List View from Admin Pag

Figure 4.32: Pending Request List View from Admin Page

This figure shows all the unaccepted requests

Pending Request						
Show <select>25</select> entries		Search: <input type="text"/>				
Product Name	Requester name	phone	category	address	Timeline	
Army Green Color Casual Shirt for Men	Mahinur	01747255038	Cloth	Dhaka		
book of life	Mahinur	01747255038	Book	Dhaka		
Buffet	Mahinur	01747255038	Food	Dhaka		
Buffet	Mahinur	01747255038	Food	Dhaka	10:16 2022-08-20	
Buffet menu	Mahinur	01747255038	Food	Dhaka		
Buffet menu	Mahinur	01747255038	Food	Dhaka		
Chicken Cheese burger	Mahinur	01747255038	Food	Dhaka	16:30 2022-08-15	
conversations with GOD	Mahinur	01747255038	Book	Dhaka		
Cotton Panjabi	Mahinur	01747255038	Cloth	Dhaka		
Cotton Panjabi	Mahinur	01747255038	Cloth	Dhaka		
Cotton Panjabi	Mahinur	01747255038	Cloth	Dhaka		
Dhammondi lovers pizza	Mahinur	01747255038	Food	Dhaka	18:00 2022-08-16	
fried chicken	Mahinur	01747255038	Food	Dhaka	10:00 2022-08-16	
fried rice	Mahinur	01747255038	Food	Dhaka	18:00 2022-08-15	
Italiano pizza	Mahinur	01747255038	Food	Dhaka	00:00 2022-08-16	
loafer	Mahinur	01747255038	Cloth	Dhaka		
Love your life	Mahinur	01747255038	Book	Dhaka		
male jeans	Mahinur	01747255038	Cloth	Dhaka		

Figure 4.32: Pending Request List View from Admin Page

Figure 4.33: Accepted Requests List View from Admin Page

This figure shows all the accepted requests.

Accepted Request						
Show <select>10</select> entries		Search: <input type="text"/>				
Product Name	Requester name	phone	category	address	Timeline	Volunteer ID,Name
fried chicken	mim	01747255038	Food		10:00 2022-08-16	55, mashrur hossain
কুলি সিংহ	Mahinur	01747255038	খাদ্য	Dhaka	15:24 2022-10-17	55, mashrur hossain

Figure 4.33: Accepted Requests List View from Admin Page

Figure 4.34: Admin Site Details Update Page

From this pages admin can create,edit,delete site contents.

The screenshot shows the 'Site Setting' section of the 'Basic Info' configuration. It includes fields for Phone Number (01747255038), Email (support@shareneedz.xyz), Facebook Link (<https://www.facebook.com/profile.php?id=100086281399441>), YouTube link (empty), Twitter link (empty), LinkedIn Number (empty), and Footer info (A website that will help people share foods,clothes and books in a better way.). An 'UPDATE' button is at the bottom left.

Figure 4.34: Admin Site Details Update Page

Figure 4.35: Messenger Chat Icon

Users can chat with admin directly.

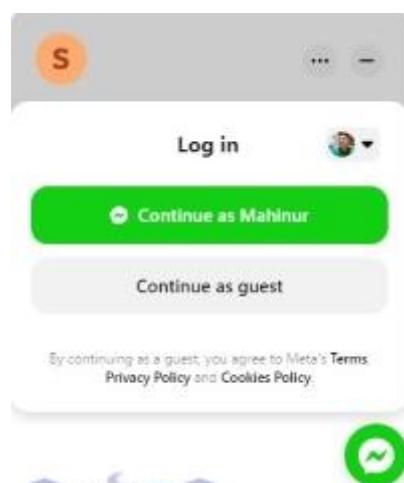


Figure 4.35: Messenger Chat Icon

Figure 4.36: Donation Invoice

Invoice of donation given for users by admin.

INVOICE # 153

Date: 26-07-2022

Thank you for your contribution to the ShareNeedz

Name : Mahinur rahman mim

Mobile : 01747255038

Email : mim@gmail.com

Address : Dhaka

PAYMENT TYPE	ACCOUNT NUMBER	TRANSACTION ID	AMOUNT
Bkash	65465	asdew34234	10000/-
		TOTAL:	10000/-

ShareNeedz

People Help Foundation

01747255038

ShareNeedz@gmail.com

Figure 4.36: Donation Invoice

Figure 4.37: Short Message Service

A volunteer will receive a message when a user requests something from the website [10].

স্বেচ্ছাসেবক, ওয়েবসাইটে
একটি অনুরোধ আছে।
শেয়ারদানকারীর বিবরণ:
নাম: Annan,
ফোন: 01742455456
ঠিকানা: Dhanmondi,
Dhaka, পণ্য: Buffet.
ওয়েবসাইটে বিস্তারিত দেখুন।

Figure 4.37: Short Message Service

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Database Implementation

We used MySQL database in our system. We have stored user posts, and requests in the database. We have checked the capacity of the database. We inserted 50 posts and requests at a time. We inserted 100 user details in the database.

Figure 5.1: Overview of Database

In this picture all tables in the ShareNeedz database are shown.

Table	Action	Rows	Type	Collation	Size	Overhead
bank_accounts		4	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
donation_clarifications		2	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
donners		3	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
galleries		2	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
lbs_log		14	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
migrations		15	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
mobile_bankings		3	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
password_resets		2	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
personal_access_tokens		0	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
posts		9	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
roles		3	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
sent_request_controllers		10	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
site_settings		1	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
sliders		2	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
teams		3	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
users		16	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
16 tables	Sum	89	InnoDB	utf8mb4_general_ci	320.0 KiB	0 B

Figure 5.1: Overview of database

Figure 5.2: User List

This picture shows the database table containing user details.

ID	Name	Email	Email Verified At	Password	Phone	Image	Role	Address
42	Admin	shareneedz@gmail.com	2022-08-08 11:17:37	\$2y\$10\$Q3gO2eE20dIDWlQP7o4E2eP65j36cISYJyuGtadIKu6...	01747255038	NULL	3	Dhaka
54	Mahinur	mahinur2727@gmail.com	2022-08-15 13:57:18	\$2y\$10\$Tr4tkmYsPKHqWejjjHhp.wXGetM2YMPSS.UtVLu2He...	01747255038	2022-08-15-62fa5c32d2cfdf.jpg	1	Dhaka
55	mashrur hossain	mashrur.hossain.nishu@gmail.com	2022-08-15 14:14:56	\$2y\$10\$60759jBy9oPo2gpsTrOt1.0OCA1Y/GemjVELRPid5mL...	01980235085	2022-08-15-62fa5b49c674.jpg	1	Rajabazar
56	Sabrina miti	sabrina15-12059@diu.edu.bd	2022-08-15 22:23:34	\$2y\$10\$gsffCuxbrftq/rUQEnfw/Ob1OrFJy9hlwu6WEGr7DR/...	01743123213	2022-08-15-62fac8ffde824.jpg	1	Dhanmondi

Figure 5.2: User List

Figure 5.3: Volunteer List

This picture shows the database table containing Volunteer List.

<u>id</u>	<u>name</u>	<u>email</u>	<u>email_verified_at</u>	<u>password</u>	<u>phone</u>	<u>image</u>	<u>role</u>	<u>address</u>
23	Alhaz	Alhaz@gmail.com	NULL	\$2y\$10\$8Pbl9QyqGYp20KL4ZQU4KOq68yTlOjyMIASBwkVZAcV...	01954654654	2022-05-26-628f79ab2cacc.jpg	2	Dhanmondi, Dhaka
24	manik	manik@gmail.com	NULL	\$2y\$10\$uxbxevmAs4ABA80wiO1AUesp7hA6mSvuzxbOvi.0QuV...	01954654654	2022-05-26-628f7a30a58fb.jpg	2	Dhanmondi, Dhaka
25	Minhaz	minhaz@gmail.com	NULL	\$2y\$10\$lnXFxK/QE8AiROy.4esi6e4WE0la0lO8xUORRRaQWws...	01954654651	2022-05-26-628f7a65d5698.jpg	2	Dhanmondi, Dhaka
26	omi	omi@gmail.com	NULL	\$2y\$10\$h1Ezym62ICi0l2e/bfv6tuy46lxhQdbhGc4bQS338/J...	01954654650	2022-05-26-628f7ae299228.jpg	2	Dhanmondi, Dhaka
27	sadman	sadman@gmail.com	NULL	\$2y\$10\$UEgfo5aTsx7lwEoqqtZOQ.kPyta4ZG1hSW1jVuGLoi...	01954654654	2022-05-26-628f7b204f70f.jpg	2	Dhanmondi, Dhaka

Figure 5.3: Volunteer List

Figure 5.4: Food Shared List

This picture shows the database table containing details of users who shared in food category.

<u>id</u>	<u>user_id</u>	<u>product</u>	<u>name</u>	<u>phone</u>	<u>category</u>	<u>type</u>	<u>address</u>	<u>date</u>	<u>time</u>	<u>image_one</u>	<u>image_two</u>	<u>image_three</u>	<u>image_four</u>	<u>details</u>
60	45	BBQ	Monjur ahmed	01742343243	Food	Restaurant	Cantonment	2022-10-13	14:32	2022-08-15-62f9dde472d2e.jpg	NULL	NULL	NULL	17 BBQ is extra. Ordered 4 but was able to ate 3... didn't want to ...
61	49	Naga drum	Mashrur Hossain	01980235085	Food	Individual	east razabazar	2022-08-15	18:30	2022-08-15-62f9e0820513.jfif	NULL	NULL	NULL	
63	49	Dhanmondi lovers pizza	Mashrur Hossain	01980235085	Food	Individual	east razabazar	2022-08-16	18:00	2022-08-15-62f9e8177e93f.jfif	NULL	NULL	NULL	
64	49	Italiano pizza	Mashrur Hossain	01980235085	Food	Individual	Farmgate	2022-08-16	00:00	2022-08-15-62f9e8509257e.jfif	NULL	NULL	NULL	
65	49	fried chicken	Mashrur Hossain	01980235085	Food	Individual	green road	2022-08-16	10:00	2022-08-15-62f9e98c19e88.jfif	NULL	NULL	NULL	
66	49	fried rice	Mashrur Hossain	01980235085	Food	Individual	east razabazar	2022-08-15	18:00	2022-08-15-62f9ea6f4f63b.jfif	NULL	NULL	NULL	
67	49	Chicken Cheese burger	Mashrur Hossain	01980235085	Food	Individual	mirpur	2022-08-15	16:30	2022-08-15-62f9eaa22ce1c.jfif	NULL	NULL	NULL	
81	54	Buffet	Annan	01742455456	Food	Restaurant	Dhanmondi, Dhaka	2022-08-20	10:16	2022-08-17-62fc6bc0ad81e.jpg	NULL	NULL	NULL	Beef khacci French fry, vegetable roll, papardum
82	54	Buffet	Majidul	01755545188	Food	Restaurant	Dhaka	NULL	NULL	2022-08-17-62fc6c09d49b0.jpg	NULL	NULL	NULL	Chicken fry
83	54	Buffet menu	Aditto	01745455455	Food	Restaurant	Dhaka	NULL	NULL	2022-08-17-62fc6c4749176.jpg	NULL	NULL	NULL	

Figure 5.4: Food Shared List

Figure 5.5: Food Request List

This picture shows the database table containing details of users who requested in food category.

id	user_id	product_name	category	name	phone	email	address	end_date	end_time	vlorenteer_id
25	16	Beef curry and rice	food	Aditto	01725465676	aditto@gmail.com	Kawla, Dhaka	2022-06-29	14:22	NULL
32	14	Beef curry and rice	food	Mahinur Rahman	01747255038	mim@gmail.com	Matikata, Dhaka Cantonment, Dhaka, Bangladesh	2022-06-29	14:22	NULL
33	14	Beef and chicken biriyani	food	Mahinur Rahman	01747255038	mim@gmail.com	Matikata, Dhaka Cantonment, Dhaka, Bangladesh	2022-05-31	12:31	NULL
34	14	আপনার অপয়োজনীয় জিনিস শেয়ার করুন	খাদ্য	Mahinur Rahman	01747255038	mim@gmail.com	Matikata, Dhaka Cantonment, Dhaka, Bangladesh	2022-02-22	14:22	26
38	14	food	Food	Mahinur rahman mim	01747255038	mim@gmail.com	Dhaka	2022-07-26	21:37	NULL

Figure 5.5: Food Request List

Figure 5.6: Donation Receipts

This picture shows the database table containing details and invoice of users who donated.

id	user_id	anumber	tid	amount	paytype	paydate	created_at	updated_at
61	54	01747255038	Gfkbgf	1200	Bkash	2022-08-17	2022-08-17 05:45:33	2022-08-17 05:45:33
62	54	01747255038	Gfkbgf	1200	Bkash	2022-08-17	2022-08-17 05:55:52	2022-08-17 05:55:52
63	54	01747255038	Gfkbgf	1200	Bkash	2022-08-17	2022-08-17 05:56:09	2022-08-17 05:56:09
64	54	01747255038	Gfkbgf	1200	Bkash	2022-08-17	2022-08-17 05:59:01	2022-08-17 05:59:01
65	54	01747255038	Hhagjsjs	10000	Bkash	2022-08-17	2022-08-17 06:07:06	2022-08-17 06:07:06
66	54	01747255038	Hhagjsjs	10000	Bkash	2022-08-17	2022-08-17 06:09:31	2022-08-17 06:09:31
67	54	01747255038	Hhagjsjs	10000	Bkash	2022-08-17	2022-08-17 06:10:32	2022-08-17 06:10:32

Figure 5.6: Donation Receipts

Figure 5.7: SMS log

This pic shows SMS is been send successfully through both API and manually.

	Date	Direction	Type	From	To	Cost	Status
<input type="checkbox"/>	07-10-2022, 7:38 PM	OUTGOING	UNICODE	8809612442285	8801980235085	0.9	Delivered
<input type="checkbox"/>	05-10-2022, 1:16 AM	OUTGOING	PLAIN	8809612442285	8801747255038	0.3	Delivered
<input type="checkbox"/>	04-10-2022, 11:43 PM	API	PLAIN	8809612442285	8801733499574	0.3	Delivered
<input type="checkbox"/>	04-10-2022, 11:40 PM	API	PLAIN	8809612442285	8801733499574	0.3	Delivered

5.2 Frontend Design Implementation

Keeping in mind the modern demand we used Bootstrap 5 and JavaScript for our frontend.

We designed a beautiful interface so that our users feel comfortable. Our design is simple but useful. But we will take feedback of users and will make changes to the design.

5.3 Implementation of Interactions

This website is not for business. This is a charity website. We intend to reduce the wastage. We have to aware people for sharing food. That's why we have kept the interface simple and easy way for giving posts. It will take max 2 mins (can change depending on network condition) for the sharer to post. It will not charge the sharer. Our user's data is fully secured. We ensure the full privacy of our users. We are expecting our requesters will be CNG drivers and ride-sharing riders. We will contact with buffet restaurant owners to get their support. We have secured SSL certificate for our website.

5.4 Testing of Software and Test Reports

After the completion of project, we tested our website manually. Testing is important for discovering bugs in the website. It is also important to check our features are working perfectly or not. Functionality testing is taken for this task. It is also black box testing. Here functionalities of our website are tested. This type of testing focuses on input and output only as a user. We gave the website link to our friends and told them to use it as user and volunteer. We tested the admin panel ourselves. We have designed test cases for individual modules [15].

Table 5.1: Admin login report

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
1	12/05/22	Admin login	Admin login	Admin's email and password	Pass

Table 5.2: User/Volunteer login report

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
2	12/05/22	User/volunteer login	User/volunteer login	User's/Volunteer's email and password	Pass

Table 5.3: User/Volunteer registration report

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
3	12/05/22	User/volunteer Registration	Registration as user/volunteer	Name, email, phone	Pass

Table 5.4: Realtime messenger chat report

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
4	12/05/22	Realtime Messenger chat	To see if msg is sent by clicking in send message on messenger icon	Facebook login credentials	Pass

Table 5.5: User share report

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
5	12/05/22	Share	1. Can the user share his/her excess food and items? 2. Can user upload images? 3. Is post shown in post page?	Category type, user's name, phone, address, details, and upload images.	Pass

Table 5.6: User request report

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
6	12/05/22	Request	1. Can user send request? 2. Is SMS send successfully?	Requester's login credentials.	Pass

Table 5.7: User donation report

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
7	12/05/22	Donation	Can user see banks account numbers?	N/A	Pass

Table 5.8: Donation receipt report

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
8	12/05/22	Donation Receipts	Can user see their donation receipt in profile page?	Registered Users.	Pass

Table 5.9: Bangla font report

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
9	20/07/22	Bangla font	Is site accessed in Bangla language?	N/A	Pass

Table 5.10: Admin manage system report

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
10	12/05/22	Admin manages slides, social media links.	1. Can admin upload slides, banner in website? 2. Is social media links working?	Admin's login info.	Pass

Table 5.11: Admin manage requests/posts report

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
11	12/05/22	Admin manages posts, requests.	Can admin delete and edit posts/requests?	Post details, request details	Pass

Table 5.12: Admin manage donation report

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
12	12/05/22	Admin manages bank account numbers, donations	1. Can the admin edit/upload account details? 2. Can Admin give Donation receipts?	Bank accounts info. Donation info.	Pass

Table 5.13: SMS module

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
13	12/09/22	SMS	Volunteer receiving SMS in his number.	Volunteer's registered mobile number.	Pass

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Conclusion

When we started this project exploration we discuss it with our friends, and teachers everyone thought of it as e-commerce. Some commented people will not post and request. As this is a new website, no website was made till now. We didn't know how users will react to it. It will take time for users to adapt to the website and this new type of sharing and requesting. We also have to make people know about our website. The more people know food wastage will reduce more. We were sure that once people understand our idea our website food waste will be reduced to a higher extent. We have kept it simple for users to post. It will take only 2 min to post. The user will have to insert his/her number, address, the category in which he/she is posting, and some images of his/her items and they will be posted. When any request comes in website sharer's credentials will be auto-sent by SMS to a volunteer. Volunteer will see pickup and delivery details from the website. The requester can also collect their items themselves. We will take donations to support our initiative. Our main objective is to reduce food wastage and help the needy and this website is the first step.

6.2 Future Scope of Development

No project is completed at once. For every project, there is scope for improvement and development. We researched and add the important features needed. But we will make changes after we get feedback from our users. We have also lined up features that we are working on. They are

- Online payment system for donation
- Increase our coverage
- Increase our category
- Navigation system for delivering

But our first priority will be to act on the user's feedback. Solve their complaints and problems.

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