

HELPING HANDS

A Report

*Submitted in partial fulfilment of the
Requirements for the completion of*

THEME BASED PROJECT



BACHELOR OF ENGINEERING IN INFORMATION TECHNOLOGY

By

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ACCREDITED BY NAAC WITH 'A++' GRADE.

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2024

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DECLARATION BY CANDIDATES

We **ABHIGNYA , HARINI , RAJA**, bearing hall ticket number, **1602-21-737-001 ,1602- 21-737-017 ,1602-21-737-304**, here by declare that the project report entitled **"Helping Hands"** under the guidance of **N.DAVID RAJU, ASSISTANT PROFESSOR** Department of Information Technology, Vasavi College of Engineering, Hyderabad, is submitted in partial fulfillment of the requirement for the completion of Theme-based project , VI semester, Bachelor of Engineering in Information Technology.

This is a record of bonafide work carried out by us and the results embodied in this project report have not been submitted to any other institutes.

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BONAFIDE CERTIFICATE

This is to certify that the project entitled “**HELPING HANDS**” being submitted by **ABHIGNYA, HARINI, RAJA** bearing **1602-21-737-001, 1602-21-737-017, 1602-21-737-304**, in partial fulfillment of the requirements for the completion of Theme-based project of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

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ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of the project would not have been possible without the kind support and help of many individuals. We would like to extend our sincere thanks to all of them.

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ABSTRACT

Helping Hands is an innovative web-based application designed to revolutionize the management of donations for organizations, ensuring a seamless and transparent process for donors, delivery personnel, and administrators alike. For donors, the system offers a user-friendly interface, enabling them to effortlessly make contributions online. Through this platform, donors can select the campaigns they wish to support, thereby empowering them to contribute to causes that resonate with their values and interests. Additionally, donors receive instant acknowledgments upon making donations, providing them with reassurance and a sense of connection to the impact of their contributions. The system also enables donors to track their donations, offering transparency and accountability throughout the process. Administrators benefit from robust features that facilitate efficient management of donor information and donation campaigns. They can easily oversee donor details, ensuring accurate record-keeping and effective communication with supporters. The ability to add various delivery addresses enhances flexibility and responsiveness, enabling organizations to accommodate diverse donor preferences and requirements. Moreover, administrators can generate comprehensive reports to analyze donation trends, identify areas for improvement, and strategically plan future campaigns. This data-driven approach empowers organizations to optimize their fundraising efforts and maximize their impact. Delivery personnel play a crucial role in the donation process, ensuring timely and secure delivery of contributions to designated addresses. With the system's integrated features, delivery personnel can seamlessly accept orders, track delivery statuses, and update the system in real-time. This streamlined approach enhances operational efficiency, minimizes errors, and enhances the overall donor experience. By leveraging technology to streamline and simplify donation management, Helping Hands enhances the efficiency, transparency, and effectiveness of the donation process. By providing a seamless experience for donors, administrators, and delivery personnel alike, the platform empowers organizations to make a meaningful difference in their communities while fostering trust and engagement among supporters.

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1. INTRODUCTION

1.1 OVERVIEW

Helping Hands represents a transformative solution in the realm of donation management, offering a comprehensive and integrated platform to cater to the diverse needs of donors, delivery personnel, and administrators. At its core, the application prioritizes user experience, recognizing the importance of a seamless and intuitive interface for donors. Through a user-friendly dashboard, donors can easily navigate the process of making contributions, selecting specific campaigns aligned with their interests and values. Real-time tracking of donation statuses ensures transparency and accountability, empowering donors with visibility into the impact of their contributions. Moreover, instant acknowledgments serve not only as a token of appreciation but also as a means to keep donors informed and engaged in the charitable process. Administrators, on the other hand, benefit from a suite of robust tools tailored to streamline the management of donation campaigns. From monitoring donation histories to analyzing trends and generating insightful reports, administrators are equipped with the necessary resources to make data-driven decisions. The flexibility to add multiple delivery addresses further enhances the adaptability of the platform, enabling efficient distribution of donations to recipients across various locations. Delivery personnel play a pivotal role in the donation process, and Helping Hands offers tailored support to optimize their efficiency and effectiveness. Through features designed for accepting orders, managing deliveries, and updating statuses within the platform, delivery personnel can operate with transparency and accountability, ensuring timely and accurate distribution of donations. Ultimately, Helping Hands represents a paradigm shift in donation management, leveraging technology to enhance efficiency, transparency, and impact. By providing a centralized platform that fosters seamless interaction and operation among donors, delivery personnel, and administrators, the application empowers organizations to maximize the effectiveness of their charitable efforts while providing donors with a rewarding and meaningful experience.

1.2 PROBLEM STATEMENT

The Charity Management System is a pivotal tool in addressing the challenges associated with traditional methods of finding sponsors and executing donations. In a world where financial stability is not evenly distributed, the act of charity becomes crucial in bridging the gap between the privileged and the needy. However, despite the noble intentions, the process of finding sponsors has historically been arduous and fraught with challenges. With the advent of the Charity Management System, this cumbersome process is streamlined, making it easier for both sponsors and beneficiaries to connect. By leveraging technology, the system provides a platform where financially stable individuals or organizations can easily find opportunities to extend their support to those in need. This not only simplifies the process of finding sponsors but also encourages more people to participate in charitable acts by providing them with accessible avenues for contribution. Moreover, the system addresses another significant challenge in the realm of charity: wastage. In a rapidly developing country with a growing population, the issue of wastage has reached alarming levels. Many individuals express a desire to donate but lack awareness of how to effectively channel their contributions. The Charity Management System serves as a solution by providing clear and transparent pathways for executing donations. Through the platform, donors can identify specific causes or individuals in need, ensuring that their contributions are directed towards impactful and meaningful initiatives. At its core, the application aims to foster transparency, charity, and swiftness in the process of donation. By connecting donors with those in need in a transparent and efficient manner, the system not only facilitates the act of charity but also cultivates a sense of community and empathy. Through this collaborative approach, the Charity Management System seeks to harness the collective goodwill of individuals and organizations to make a tangible difference in the lives of the less fortunate.

1.3 MOTIVATION OF THEME & TITLE

"Helping Hands" indeed encapsulates the essence of community support and mutual aid beautifully. It represents the fundamental belief that we are all interconnected and that extending a helping hand to others not only enriches their lives but also strengthens the fabric of society as a whole. At its core, "Helping Hands" embodies the spirit of empathy, encouraging individuals to step forward and offer their assistance to those facing challenges or hardships. It underscores the idea that even the smallest act of kindness can have a profound impact on someone's life, emphasizing the power of collective effort in creating positive change. The simplicity and directness of the title resonate deeply, making it easily accessible and relatable to people from all walks of life. Whether through volunteering time, sharing resources, or offering emotional support, "Helping Hands" inspires individuals to contribute in whatever way they can, reinforcing the notion that everyone has something valuable to offer. Moreover, the theme promotes collaboration and partnership among individuals, organizations, and communities, recognizing that addressing complex social issues requires collective action and solidarity. By fostering a sense of unity and shared purpose, "Helping Hands" encourages people to come together, pool their resources, and work towards common goals, thereby maximizing their impact and creating sustainable solutions. Additionally, "Helping Hands" serves as a catalyst for raising awareness about social issues and needs within the community. By shining a spotlight on these issues and highlighting the various ways people can contribute, the theme educates and empowers individuals to take action, fostering a culture of compassion and civic engagement. In essence, "Helping Hands" is more than just a theme—it's a guiding principle that reminds us of our shared humanity and our collective responsibility to support and uplift one another. It calls upon us to extend kindness, lend a helping hand, and create a world where everyone has the opportunity to thrive.

2. LITERATURE SURVEY

The concept of "Helping Hands" is deeply rooted in various practices aimed at providing support and assistance to individuals and communities, and scholarly literature on this topic offers valuable insights into its significant impact on societal well-being. Research by Clary and Snyder (1999) and Wilson (2000) delves into the realm of volunteerism, shedding light on the myriad personal and communal benefits associated with volunteering. By actively engaging in volunteer activities, individuals not only contribute to the betterment of society but also experience a sense of fulfillment and belonging. Further studies by Putnam (2000) and Helliwell and Putnam (2004) emphasize the pivotal role of community engagement in fostering social capital and enhancing overall well-being. Historical perspectives, such as those articulated by Kropotkin (1902), highlight the fundamental role of mutual aid networks in promoting cooperation and resilience, particularly during times of crisis. Moreover, research by Berkowitz et al. (2018) and Moss (2013) showcases the effectiveness of mutual aid in improving health outcomes and facilitating disaster recovery efforts. By harnessing the collective resources and expertise of community members, mutual aid initiatives play a critical role in addressing complex health and social issues and ensuring the well-being of vulnerable populations. The role of technology in facilitating support and collaboration is also explored in the literature. Studies by Bennett and Segerberg (2012) and Kraut and Resnick (2012) demonstrate how digital platforms can enhance volunteer coordination, amplify community support efforts, and foster greater inclusivity and accessibility. Collectively, these studies provide a comprehensive understanding of how collective support initiatives, under the overarching theme of "Helping Hands," can contribute to the development of stronger, more resilient communities. By fostering a culture of empathy, cooperation, and mutual aid, individuals and communities can work together to address pressing social challenges and create a more equitable and inclusive society.

3. EXISTING SYSTEM

The current process of donating surplus items, particularly food, can indeed be cumbersome and time-consuming for both donors and organizations in need. Traditionally, individuals or businesses looking to donate goods must navigate various channels to find suitable recipients, often resulting in a disjointed and inefficient process. For donors, the process typically involves identifying organizations or charities that accept donations, contacting them to inquire about their specific needs and requirements, and arranging for the delivery or drop-off of items. This can be a time-consuming task, especially if multiple organizations need to be contacted before finding a suitable match for the donation. Additionally, the lack of centralized information and coordination further complicates the process, leading to frustration and fatigue for donors who are eager to contribute but face logistical hurdles.

On the other hand, organizations that rely on donations, such as food banks or community centers, also face challenges in efficiently managing incoming donations. Moreover, large manufacturers, wholesalers, and organized communities often have surplus food items that could benefit those in need. However, the process of identifying suitable recipients for these surplus items can be particularly challenging due to the scale of operations and the lack of direct connections with local organizations or charities. In this context, there is a clear need for a more efficient and user-friendly platform that facilitates the donation process for both donors and recipients. By leveraging technology, such a platform could centralize information about donation opportunities, match donors with organizations based on their specific needs and preferences, and streamline communication and logistics for donation transactions. By addressing these challenges and streamlining the donation process, such a platform could not only make it easier for individuals and businesses to contribute to charitable causes but also ensure that surplus items are effectively redistributed to those in need, thereby maximizing the impact of donations and reducing waste.

4. PROPOSED SOLUTION

The Helping Hands project is designed with several key objectives aimed at addressing pressing social and humanitarian issues while leveraging technology to facilitate more efficient and effective donation processes. First and foremost, one of the primary objectives of the project is to reduce wastage and ensure basic human needs are met. By providing a centralized platform for individuals and organizations to donate surplus items such as food, clothing, blood, and books, the project aims to redistribute resources to those in need, thereby minimizing waste and addressing fundamental human needs. Another important aspect of the project is its focus on inclusivity and accessibility. Individuals or organizers hosting events or functions can easily send requests to charities through the platform, enabling them to donate any excess food items remaining after the event. This not only reduces food waste but also ensures that those in need have access to nutritious meals. Furthermore, the project aims to broaden the scope of donations beyond just food items, encompassing unused clothing, blood donations, and books. By diversifying the types of donations accepted, the project seeks to address a wider range of needs within the community, including clothing for those experiencing homelessness, blood for medical emergencies, and educational resources through book donations.. From an administrative perspective, the project offers valuable tools for both administrators and volunteers. Upon logging in, they have access to various reports that provide insights into donation activities, helping them track donor names, donation amounts, payment dates, transaction details, and other relevant information. This transparency not only facilitates efficient management of donation campaigns but also fosters accountability and trust among stakeholders. Moreover, the project streamlines administrative processes for charities, reducing manual paperwork and increasing operational efficiencies. Donors and charity management alike can easily access information about charities online, providing greater transparency and accessibility to the public. Overall, the Helping Hands project serves as a catalyst for social impact, economic empowerment, and community development, demonstrating the transformative potential of technology in addressing pressing social challenges and fostering a culture of compassion and generosity.

4.1. SYSTEM DESIGN

4.1.1 ARCHITECTURE DESIGN

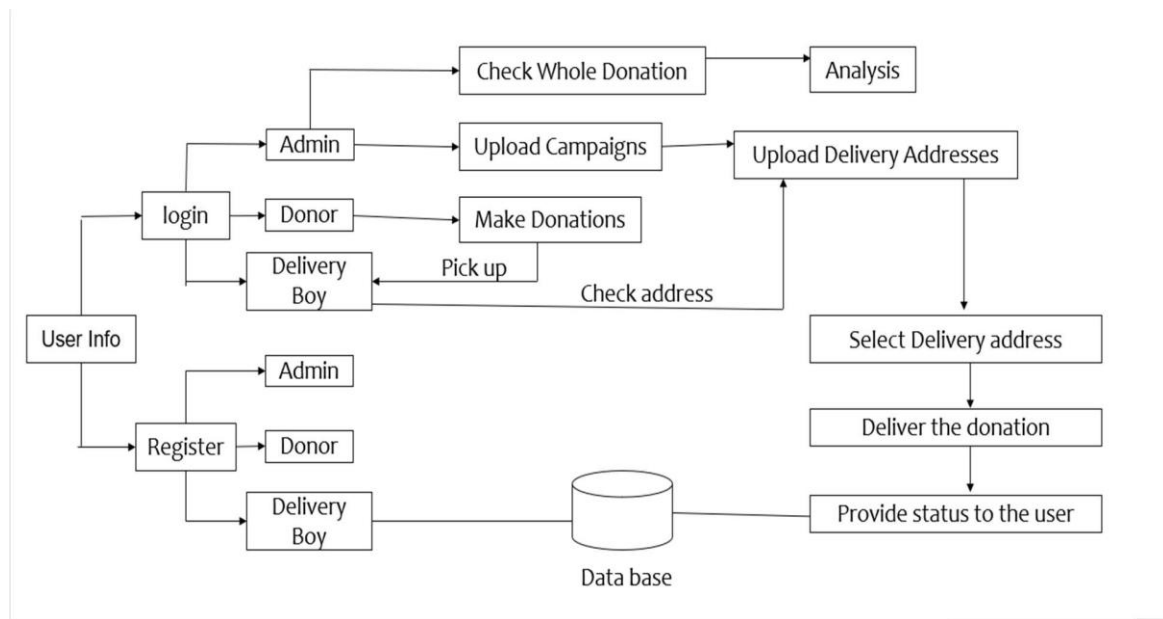


Fig 4.1.1 Architectural Design of Helping Hands

4.1.2 USE-CASE DIAGRAM

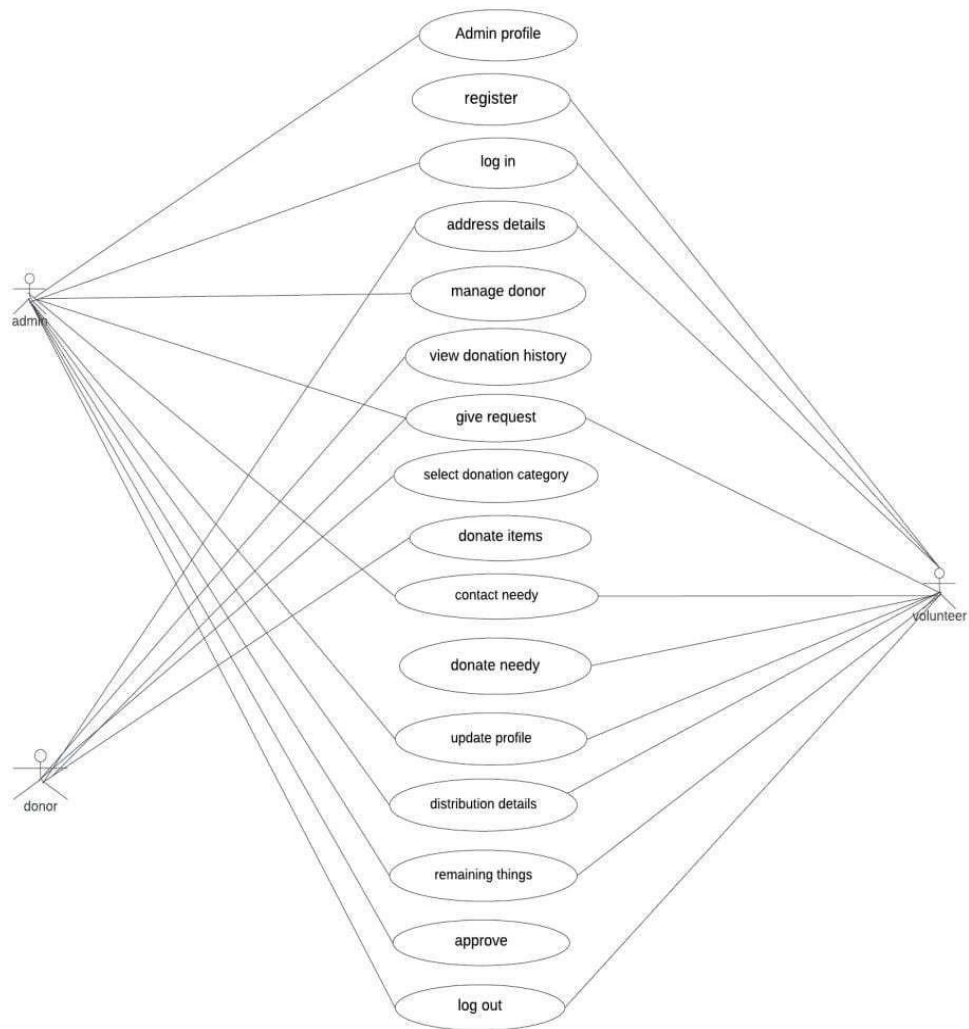


Fig 4.1.2 Use Case Diagram of Helping Hands

4.1.2.1 USE-CASE DESCRIPTION

Use Case ID: UC-1

Use Case Name: Make a Donation

Actors: Donor , System

Donor: Makes a donation to a campaign.

Description: This use case allows donors to contribute to a campaign of their choice through the Helping Hands platform.

Preconditions:

- The donor is registered and logged into the system.
- Active donation campaigns are available.

Postconditions: The donor's contribution is recorded, and the campaign's donation total is updated.

DONOR	SYSTEM
1. The donor navigates to the "Current Appeals" section.	
2. The donor selects a campaign they wish to donate to.	
3. The donor enters the donation amount and payment details.	
	4. The system processes the payment.
	5. The system updates the campaign's donation status.
6. The donor receives a confirmation and acknowledgment of the donation.	

Table 4.1.2.1.1

Use Case ID: UC-2

Use Case Name: Track Donation

Actors: Donor , System

Donor: Tracks the status of their donations.

Description: This use case allows donors to view the status and history of their contributions.

Preconditions:

- The donor is registered and logged into the system.

Postconditions: The donor receives detailed information about their past donations.

DONOR	SYSTEM
1. The donor navigates to the "Donation History" section.	
2. The donor views a list of their past donations.	
3. The donor selects a specific donation to view its status and details.	

Table 4.1.2.1.2

Use Case ID: UC-3

Use Case Name: Manage Donation Campaigns

Actors:

Administrator: Manages donation campaigns.

Description: This use case allows administrators to create, update, and delete donation campaigns.

Preconditions:

- The administrator is logged into the system.

Postconditions: The system reflects the changes in the list of active campaigns.

ADMINISTRATOR	SYSTEM
1. The administrator navigates to the "Campaigns" section.	
2. The administrator creates a new campaign by entering details such as name, description, target amount, and image.	
3. The administrator updates or deletes existing campaigns as needed.	

Table 4.1.2.1.3

Use Case ID: UC-4

Use Case Name: Generate Donation Reports

Actors: Administrator, System

Administrator: Generates reports on donation activities.

Description: This use case allows administrators to generate and view reports on donation trends and campaign performance.

Preconditions:

- The administrator is logged into the system.

Postconditions: The administrator obtains insights from the generated reports for analysis and planning.

ADMINISTRATOR	SYSTEM
1. The administrator navigates to the "Analytics" section.	
2. The administrator selects the type of report to generate (e.g., total donations, campaign-specific donations).	
	3. The system generates the report and displays it to the administrator.

Table 4.1.2.1.4

Use Case ID: UC-5

Use Case Name: Manage Delivery Addresses

Actors: Administrator , System

Administrator: Manages delivery addresses for donations.

Description: This use case allows administrators to add, update, and delete delivery addresses where donations can be sent.

Preconditions:

- The administrator is logged into the system.

Postconditions: The list of available delivery addresses is updated in the system.

ADMINISTRATOR	SYSTEM
1. The administrator navigates to the "Delivery Addresses" section.	
2. The administrator adds a new delivery address by entering the necessary details.	
3. The administrator updates or deletes existing delivery addresses as needed.	

Table 4.1.2.1.5

Use Case ID: UC-6

Use Case Name: Accept and Deliver Orders

Actors:

Delivery Boy: Accepts orders and delivers donations.

Description: This use case allows delivery personnel to accept donation delivery orders and update the delivery status.

Preconditions :

- The delivery boy is logged into the system.

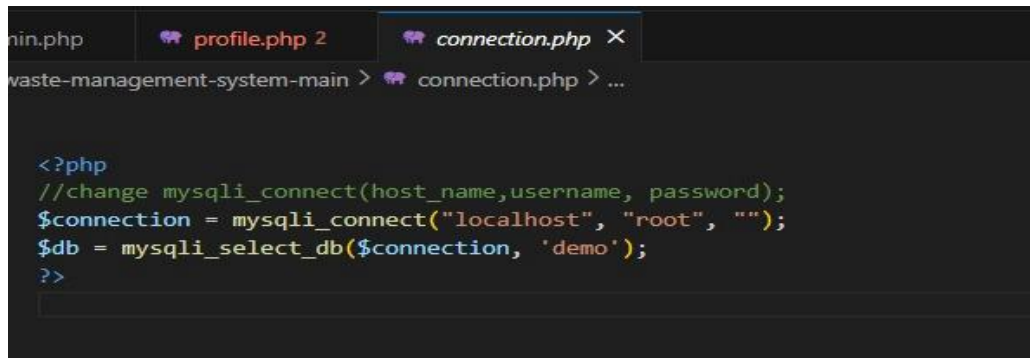
Postconditions: The system updates the order status to reflect the completed delivery.

DELIVERY BOY	SYSTEM
1. The delivery boy navigates to the "Orders" section.	
2. The delivery boy accepts an available order for delivery.	
3. The delivery boy updates the delivery status after completing the delivery.	

Table 4.1.2.1.6

4.2 FUNCTIONAL MODULES

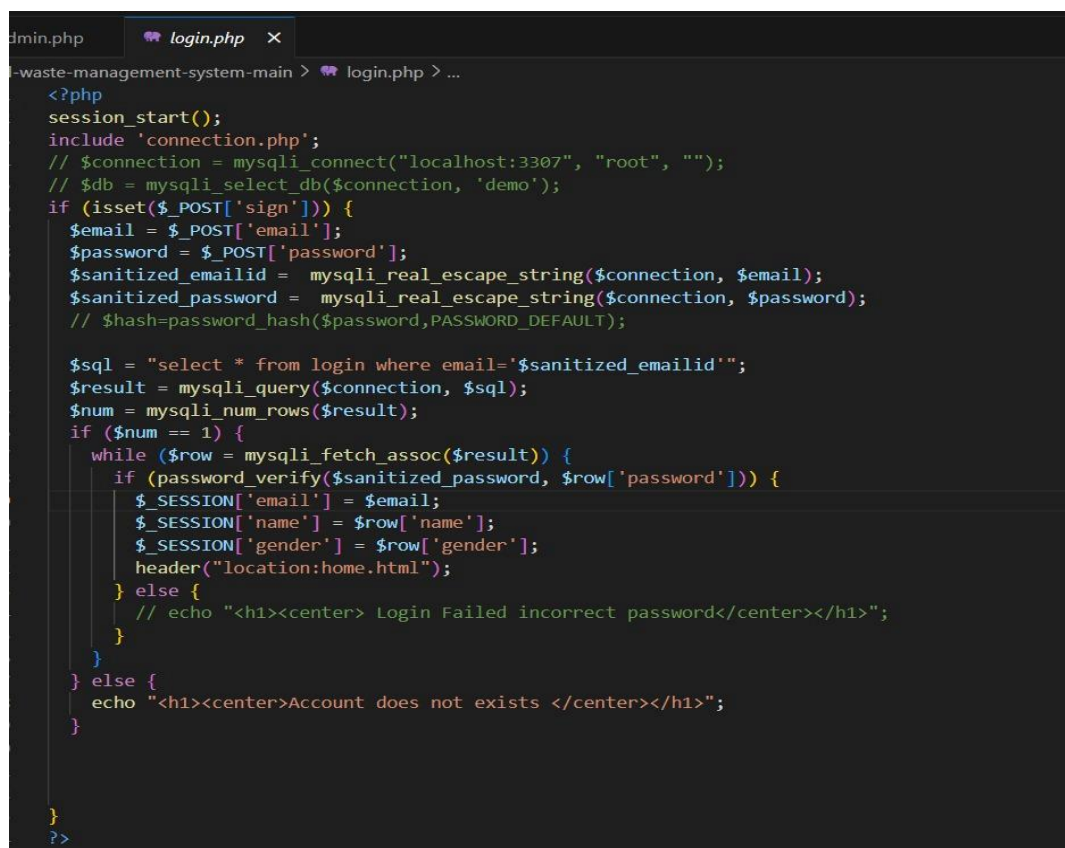
4.2.1 SCREENSHOTS:



```
<?php
//change mysqli_connect(host_name,username, password);
$connection = mysqli_connect("localhost", "root", "");
$db = mysqli_select_db($connection, 'demo');
?>
```

Fig 4.2.1.1 Connecton.php

Description : This code is base for connection between frontend and backend.



```
<?php
session_start();
include 'connection.php';
// $connection = mysqli_connect("localhost:3307", "root", "");
// $db = mysqli_select_db($connection, 'demo');
if (isset($_POST['sign'])) {
    $email = $_POST['email'];
    $password = $_POST['password'];
    $sanitized_emailid = mysqli_real_escape_string($connection, $email);
    $sanitized_password = mysqli_real_escape_string($connection, $password);
    // $hash=password_hash($password,PASSWORD_DEFAULT);

    $sql = "select * from login where email='$sanitized_emailid'";
    $result = mysqli_query($connection, $sql);
    $num = mysqli_num_rows($result);
    if ($num == 1) {
        while ($row = mysqli_fetch_assoc($result)) {
            if (password_verify($sanitized_password, $row['password'])) {
                $_SESSION['email'] = $email;
                $_SESSION['name'] = $row['name'];
                $_SESSION['gender'] = $row['gender'];
                header("location:home.html");
            } else {
                // echo "<h1><center> Login Failed incorrec password</center></h1>";
            }
        }
    } else {
        echo "<h1><center>Account does not exists </center></h1>";
    }
}
?>
```

Fig 4.2.1.2 Login.php

Description : This code is used for users to login in Helping Hands .

```

admin.php  fooddonateform.php X
waste-management-system-main > fooddonateform.php > html > head > meta
<?php
include("login.php");
if($_SESSION['name']==''){
    header("location: signin.php");
}
// include("login.php");
$emailid= $_SESSION['email'];
$conn=mysql_connect("localhost","root","");
$db=mysql_select_db($conn,'demo');
if(isset($_POST['submit']))
{
    $foodname=mysql_real_escape_string($conn, $_POST['foodname']);
    $meal=mysql_real_escape_string($conn, $_POST['meal']);
    $category=$_POST['image-choice'];
    $quantity=mysql_real_escape_string($conn, $_POST['quantity']);
    // $email=$_POST['email'];
    $phoneno=mysql_real_escape_string($conn, $_POST['phoneno']);
    $district=mysql_real_escape_string($conn, $_POST['district']);
    $address=mysql_real_escape_string($conn, $_POST['address']);
    $name=mysql_real_escape_string($conn, $_POST['name']);

    $query="insert into food_donations(email,food,type,category,phoneno,location,address,name,quantity) values('$emailid','$foodname','";
    $query_run= mysql_query($conn, $query);
    if($query_run)
    {
        echo '<script type="text/javascript">alert("data saved")</script>';
        header("location:delivery.html");
    }
    else{
        echo '<script type="text/javascript">alert("data not saved")</script>';
    }
}
?>

```

Fig 4.2.1.3 fooddonateform.php

Description: This code is used to get details of user and what are they donating.

```

admin.php  profile.php 2  takebooksoorder.php X
waste-management-system-main > delivery > takebooksoorder.php > ...
<?php
include("connect.php");
include '../connection.php';

if ($_SESSION['name'] == '') {
    header("location:deliverylogin.php");
    exit;
}

$name = $_SESSION['name'];
$id = $_SESSION['Did'];
$city = $_SESSION['city'];

// Fetch all unassigned clothes orders in the user's city
$sql = "SELECT bd.bid AS bid, bd.location as cure, bd.name, bd.phoneno, bd.date, bd.delivery_by, bd.address as From_address,
ad.name AS delivery_person_name, ad.address AS To_address
FROM books_donations bd
LEFT JOIN admin ad ON bd.assigned_to = ad.Aid
WHERE assigned_to IS NULL AND delivery_by IS NULL AND bd.location='$city'";

$result = mysql_query($conn, $sql);

// Check for errors
if (!$result) {
    die("Error executing query: " . mysql_error($conn));
}

// Fetch the unassigned clothes donation data as an associative array
$data_books = array();
while ($row_books = mysql_fetch_assoc($result)) {
    $data_books[] = $row_books;
}

// Fetch delivery addresses from d_address table
$sql_addresses = "SELECT CONCAT('Delivered to ', address) AS address FROM d_address";
$result_addresses = mysql_query($conn, $sql_addresses);

// Check for errors
if (!$result_addresses) {
    die("Error executing query: " . mysql_error($conn));
}

```

Fig 4.2.1.4 takebooksoorder.php

Description: This code allows delivery boy to take unassigned orders so that he can deliver the order to the respective location.

```

profile.php 2 blood_register.php X
ste-management-system-main > blood_register.php > ...
<?php
include("connection.php");

// Check if the form is submitted
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Get form data

    $fullname = $_POST["fullname"];
    $dob = $_POST["dob"];
    $gender = $_POST["gender"];
    $bloodgroup = $_POST["bloodgroup"];
    $mobile = $_POST["mobile"];
    $email = $_POST["email"];
    $town = $_POST["town"];
    $state = $_POST["state"];

    // Insert data into the database
    $sql = "INSERT INTO donors ( fullname, dob, sex, bloodgroup, mobile, email, town, state) VALUES ( '$fullname', '$dob', '$gender', '$bloodgroup', '$mobile', '$email', '$town', '$state')";
    if (mysqli_query($connection, $sql)) {
        echo <div class="alert alert-success alert-dismissible fade show" role="alert">
            New record created successfully
            <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
        </div>;
    } else {
        echo <div class="alert alert-danger alert-dismissible fade show" role="alert">
            Error: ' . $sql . ' <br> ' . mysqli_error($connection) . '
            <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
        </div>;
    }
}

mysqli_close($connection);
?>

```

Fig 4.2.1.5 blood_register.php

Description: This code is used to take information from the user about blood donor.

```

min.php profile.php 2 donate.php X
waste-management-system-main > donate.php > html > head > style > $.btn
<?php
$conn = mysqli_connect("localhost", "root", "");
$db = mysqli_select_db($conn, 'demo');

// Check if the form has been submitted
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Process the form data and display the payment section
    $bankName = $_POST['bank_name'];
    $mobileNumber = $_POST['mobile_number'];
    $amountToDonate = $_POST['amount_to_donate'];
    $donorName = $_POST['donor_name'];
    $campaign_id = $_POST['campaign_id'];

    // Insert donation details into the database
    $sql = "INSERT INTO donations_user (mobile, account_holder, amount, campaign_id) VALUES ('$mobileNumber', '$donorName', '$amountToDonate', '$campaign_id')";
    if ($conn->query($sql) === TRUE) {
        // Update the campaign's amount_raised and amount_needed
        $query = "SELECT * FROM campaigns WHERE id = $campaign_id";
        $result = mysqli_query($conn, $query);
        if (mysqli_num_rows($result) > 0) {
            $row = mysqli_fetch_assoc($result);
            $amount_raised = $row['amount_raised'] + $amountToDonate;
            $amount_needed = $row['amount_needed'] - $amountToDonate;

            $update_query = "UPDATE campaigns SET amount_raised = $amount_raised, amount_needed = $amount_needed WHERE id = $campaign_id";
            if (mysqli_query($conn, $update_query)) {
                // Update successful
                echo "Donation successfully processed.";
            } else {
                // Update failed
                echo "Error updating campaign: " . mysqli_error($conn);
            }
        } else {
            echo "Campaign not found.";
        }
    } else {
        echo "Error: " . $sql . " <br> " . $conn->error;
    }
}
?>

```

Fig 4.2.1.6 donate.php

Description: This code is used to take information from the user about money donated by user, it contains card details and amount they are donating.

```

admin.php  profile.php 2  feedback.php X
waste-management-system-main > feedback.php > ...
<?php
session_start();
include 'connection.php';

if (isset($_POST['send'])) {
    $email = $_POST['email'];
    $name = $_POST['name'];
    $msg = $_POST['message'];
    $sanitized_emailid = mysqli_real_escape_string($connection, $email);
    $sanitized_name = mysqli_real_escape_string($connection, $name);
    $sanitized_msg = mysqli_real_escape_string($connection, $msg);
    $query="insert into user_feedback(name,email,message) values('$sanitized_name','$sanitized_emailid','$sanitized_msg')";
    $query_run= mysqli_query($connection, $query);
    if($query_run) {
        echo '<script type="text/javascript">alert("Feedback added successfully!"); window.location.href="contact.html";</script>';
    } else {
        echo '<script type="text/javascript">alert("Failed to add feedback. Please try again.");</script>';
    }
}
?>

```

Fig 4.2.1.7 Feedback.php

Description: This code is used to take feedback from the user.

```

admin.php  profile.php 2  checkcampaign.php X
waste-management-system-main > checkcampaign.php > html > body > div.container
<html lang="en">
<head>
<style>
</style>
</head>
<body style="background-color: #06C167;">
<div class="container">
<h1>Available Campaigns</h1>
<?php
if (mysqli_num_rows($result) > 0) {
    while ($row = mysqli_fetch_assoc($result)) {
        echo "<div class='campaign'>";
        // echo "<img src='annadhan.jpg' . $row['campaign_image'] . '' alt='Campaign Image'>";
        echo "<img src='.' . $row['campaign_image'] . '' alt='Campaign Image'>";
        echo "<div class='details'>";
        echo "<h3>" . $row['campaign_name'] . "</h3>";
        echo "<p><strong>Description:</strong> " . $row['campaign_description'] . "</p>";
        echo "<p><strong>Amount Needed:</strong> $" . $row['amount_needed'] . "</p>";
        echo "<a href='donate.php?campaign_id=" . $row['id'] . "' class='donate-button'>Donate Now</a>";

        echo "</div>";
        echo "</div>";
    }
} else {
    echo "<p>No campaigns available.</p>";
}
?>
</div>
</body>
</html>

```

Fig 4.2.1.8 checkcampaign.php

Description: This code allows donors to view the campaigns and donate accordingly to their interested campaigns.

4.2.2 PESUDOCODE:

connecton.php

```
<?php
//change mysqli_connect(host_name,username, password);
$connection = mysqli_connect("localhost", "root", "");
$db = mysqli_select_db($connection, 'demo');
?>
```

login.php

```
<?php
session_start();
include 'connection.php';
// $connection = mysqli_connect("localhost:3307", "root", "");
// $db = mysqli_select_db($connection, 'demo');
if (isset($_POST['sign'])) {
    $email = $_POST['email'];
    $password = $_POST['password'];
    $sanitized_emailid = mysqli_real_escape_string($connection, $email);
    $sanitized_password = mysqli_real_escape_string($connection, $password);
    // $hash=password_hash($password,PASSWORD_DEFAULT);

    $sql = "select * from login where email='$sanitized_emailid'";
    $result = mysqli_query($connection, $sql);
    $num = mysqli_num_rows($result);
    if ($num == 1) {
        while ($row = mysqli_fetch_assoc($result)) {
            if (password_verify($sanitized_password, $row['password'])) {
                $_SESSION['email'] = $email;
                $_SESSION['name'] = $row['name'];
                $_SESSION['gender'] = $row['gender'];
                header("location:home.html");
            } else {
                // echo "<h1><center> Login Failed incorrect password</center></h1>";
            }
        }
    } else {
        echo "<h1><center>Account does not exists </center></h1>";
    }
}
?>
```

signin.php

```
<?php
session_start();
include 'connection.php';
// $connection = mysqli_connect("localhost:3307", "root", "");
// $db = mysqli_select_db($connection, 'demo');
$msg=0;
if (isset($_POST['sign'])) {
    $email =mysqli_real_escape_string($connection, $_POST['email']);
    $password =mysqli_real_escape_string($connection, $_POST['password']);

    // $sanitized_emailid = mysqli_real_escape_string($connection, $email);
    // $sanitized_password = mysqli_real_escape_string($connection, $password);

    $sql = "select * from login where email='$email'";
    $result = mysqli_query($connection, $sql);
    $num = mysqli_num_rows($result);

    if ($num == 1) {
        while ($row = mysqli_fetch_assoc($result)) {
            if (password_verify($password, $row['password'])) {
                $_SESSION['email'] = $email;
                $_SESSION['name'] = $row['name'];
                $_SESSION['gender'] = $row['gender'];
                header("location:home.html");
            } else {
                $msg = 1;
            }
        }
    } else {
        echo "<h1><center>Account does not exists </center></h1>";
    }
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="loginstyle.css">
    <link rel="stylesheet" href="path/to/font-awesome/css/font-awesome.min.css">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.2.1/css/all.min.css">
```

```

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.3.0/font/bootstrap-icons.css" />

<link rel="stylesheet" href="https://unicons.iconscout.com/release/v4.0.0/css/line.css">

</head>

<body>
  <style>
    .uil {

      top: 42%;
    }
  </style>
  <div class="container">
    <div class="regform">

      <form action=" " method="post">

        <p class="logo" style="">Helping<b style="color:#06C167; "> Hands</b></p>
        <p id="heading" style="padding-left: 1px;"> Welcome back ! <img src="" alt="">

      </p>

      <div class="input">
        <input type="email" placeholder="Email address" name="email" value=""
required />
      </div>
      <div class="password">
        <input type="password" placeholder="Password" name="password"
id="password" required />

        <i class="uil uil-eye-slash showHidePw"></i>

        <?php
        if($msg==1){
          echo ' <i class="bx bx-error-circle error-icon"></i>';
          echo '<p class="error">Password not match.</p>';
        }
        ?>

      </div>

      <div class="btn">
        <button type="submit" name="sign"> Sign in</button>
      </div>
      <div class="signin-up">
        <p id="signin-up">Don't have an account? <a
href="signup.php">Register</a></p>

```

```

        </form>
    </div>
</div>
<script src="login.js"></script>
<script src="admin/login.js"></script>
</body>

</html>

```

deliverymyord.php

```

<?php
session_start();

if(isset($_SESSION['name'])){
    $name = $_SESSION['name'];
} else {
    $name = ""; // Set a default value if the session variable is not set
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My Orders</title>
    <link rel="stylesheet" href="../home.css">
    <link rel="stylesheet" href="delivery.css">
</head>
<body>
<header>
    <div class="logo">Helping<b style="color: #06C167;"> Hands</b></div>
    <div class="hamburger">
        <div class="line"></div>
        <div class="line"></div>
        <div class="line"></div>
    </div>
    <nav class="nav-bar">
        <ul>
            <li><a href="#home" class="active">Home</a></li>
            <li><a href="openmap.php">Map</a></li>
            <li><a href="deliverymyord.php">My Orders</a></li>
        </ul>
    </nav>
</header>

```

```

<br>
<h2><center>Welcome <?php echo $name;?></center></h2>

<div>
    <button onclick="window.location.href='foodmyord.php'">View Assigned Food
    Donations</button>
    <button onclick="window.location.href='clothesmyord.php'">View Assigned Clothes
    Donations</button>
    <button onclick="window.location.href='booksmyord.php'">View Assigned Books
    Donations</button>
    <div class="itm">
        
    </div>

</div>

</body>
</html>

```

blooddonateform.php

```

<?php
include("login.php");
if($_SESSION['name']==""){
    header("location: signin.php");
}

$emailid= $_SESSION['email'];
$connection=mysqli_connect("localhost","root","");
$db=mysqli_select_db($connection,'demo');
if(isset($_POST['submit']))
{
    $bookname=mysqli_real_escape_string($connection, $_POST['bookname']);
    $standard=mysqli_real_escape_string($connection, $_POST['standard']);
    $quantity=mysqli_real_escape_string($connection, $_POST['quantity']);
    $phoneno=mysqli_real_escape_string($connection, $_POST['phoneno']);
    $district=mysqli_real_escape_string($connection, $_POST['district']);
    $address=mysqli_real_escape_string($connection, $_POST['address']);
    $name=mysqli_real_escape_string($connection, $_POST['name']);

    $query="insert into
book_donations(email,bookname,standard,quantity,phoneno,location,address,name)
values('$emailid','$bookname','$standard','$quantity','$phoneno','$district','$address','$name')";
    $query_run= mysqli_query($connection, $query);
    if($query_run)
    {
        echo '<script type="text/javascript">alert("Data saved")</script>';
        header("location:delivery.html");
    }
    else{

```

```

        echo '<script type="text/javascript">alert("Data not saved")</script>';
    }
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Book Donate</title>
    <link rel="stylesheet" href="loginstyle.css">
</head>
<body style="background-color: #06C167;">
    <div class="container">
        <div class="regformf">
            <form action="" method="post">
                <p class="logo">Book <b style="color: #06C167; ">Donate</b></p>

                <div class="input">
                    <label for="bookname">Book Name:</label>
                    <input type="text" id="bookname" name="bookname" required/>
                </div>

                <div class="input">
                    <label for="standard">Standard:</label>
                    <input type="text" id="standard" name="standard" required/>
                </div>

                <div class="input">
                    <label for="quantity">Quantity:</label>
                    <input type="number" id="quantity" name="quantity" min="1" required/>
                </div>

                <b><p style="text-align: center;">Contact Details</p></b>
                <div class="input">
                    <div>
                        <label for="name">Name:</label>
                        <input type="text" id="name" name="name" value="<?php echo
$_SESSION['name']; ?>" required/>
                    </div>
                    <div>
                        <label for="phoneno">Phone No:</label>
                        <input type="text" id="phoneno" name="phoneno" maxlength="10"
pattern="[0-9]{10}" required/>
                    </div>
                </div>

                <div class="input">
                    <label for="district">District:</label>

```

```

        <select id="district" name="district" style="padding:10px;">
            <option value="chennai">Adilabad</option>
            <option value="kancheepuram">Bhadradri Kothegudem</option>
            <option value="thiruvallur">Hanumakonda</option>
            <option value="vellore">Hyderabad</option>
            <option value="tiruvannamalai">Jagtial</option>
            <option value="tiruvallur">Karimnagar</option>
            <option value="tiruppur">Khammam</option>
            <option value="coimbatore">Mahabubabad</option>
            <option value="erode">Mancheria</option>
            <option value="salem">Medak</option>
            <option value="namakkal">Nalgonda</option>
            <option value="tiruchirappalli">Nizamabad</option>
            <option value="thanjavur">Rangareddy</option>
            <option value="pudukkottai">Sangareddy</option>
            <option value="karur">Siddipet</option>
            <option value="ariyalur">Vikarabad</option>
            <option value="perambalur">Suryapet</option>
            <option value="madurai" selected>Warangal</option>
            <option value="virudhunagar">Yadadri Bhuvanagiri</option>
            <option value="dindigul">Peddapalli</option>
            <option value="ramanathapuram">Narayanpet</option>
            <option value="sivaganga">Mulug</option>
            <option value="thoothukkudi">Medchal</option>
            <option value="tirunelveli">Kamareddy</option>
            <option value="tiruppur">Jogulamba Gadwal</option>
            <option value="tenkasi">Bhoopalpally</option>
            <option value="kanniyakumari">Jangoan</option>
        </select>
    </div>

    <div class="input">
        <label for="address">Address:</label>
        <input type="text" id="address" name="address" required/><br>
    </div>

    <div class="btn">
        <button type="submit" name="submit">Submit</button>
    </div>
</form>
</div>
</div>
</body>
</html>

```

5. EXPERIMENTAL SETUP & IMPLEMENTATION

5.1 System Specifications

5.1.1 Hardware Requirements

1. Processor (CPU):

- Minimum: Intel Core i5 or AMD Ryzen 5
- Recommended: Intel Core i7 or AMD Ryzen 7/9

2. Graphics Processing Unit (GPU):

- Minimum: NVIDIA GTX 1050 Ti or equivalent with at least 4GB VRAM
- Recommended: NVIDIA RTX 2070/2080 or RTX 30-series (e.g., RTX 3060/3070/3080) with at least 8GB VRAM
- For large-scale models and faster training: NVIDIA A100, V100, or RTX 3090

3. Memory (RAM):

- Minimum: 16GB
- Recommended: 32GB or more, especially for handling large datasets and complex models

4. Storage:

- Minimum: 256GB SSD (Solid State Drive)
- Recommended: 1TB SSD or more, for faster read/write speeds and to accommodate large datasets

5. Additional Hardware:

- High-resolution monitor for better visualization and analysis
- External storage (e.g., external SSDs or NAS) for data backup and management

6. Power Supply:

- Ensure a reliable power supply, particularly when using high-end GPUs that require significant power.

7. Cooling Solutions:

- Adequate cooling (e.g., additional fans or liquid cooling systems) to prevent overheating during long training sessions.

8. Network Connectivity:

- Stable internet connection for downloading datasets, pre-trained models, and software updates.
- High-speed internet for cloud-based training and collaboration if using cloud computing resources.

9. Cloud Computing Resources (Optional):

- Services like AWS EC2, Google Cloud Platform, or Microsoft Azure can be utilized for scalable and powerful GPU instances.
- Platforms like Google Colab or Kaggle Kernels for free access to GPUs for smaller scale experiments

5.1.2 Software Requirements

1. Operating System:

Linux: Ubuntu 18.04 or later recommended

Windows: Windows 10 or later

macOS: Mojave 10.14 or later

2. Web Server:

Apache HTTP Server: Often used in combination with PHP

Included in XAMPP package

3. Database:

MySQL or MariaDB: Commonly used databases with PHP

Included in XAMPP package

4. Programming Language and Runtime:

PHP: Version 7.4 or later

Included in XAMPP package

5. Frontend Technologies:

HTML: Standard markup language for creating web pages

CSS: Style sheet language for describing the presentation of web pages

JavaScript: Programming language for client-side scripting

Bootstrap: Frontend framework for responsive web design

6. Development Tools:

XAMPP: Cross-platform web server solution stack package containing Apache, MySQL, and PHP

Visual Studio Code (VS Code): A source-code editor developed by Microsoft

7. Version Control:

Git: Version control system

GitHub or GitLab: Repository management platforms

8. Package Manager:

Composer: Dependency manager for PHP

6.RESULTS

6.1 OUTPUT SCREENSHOTS

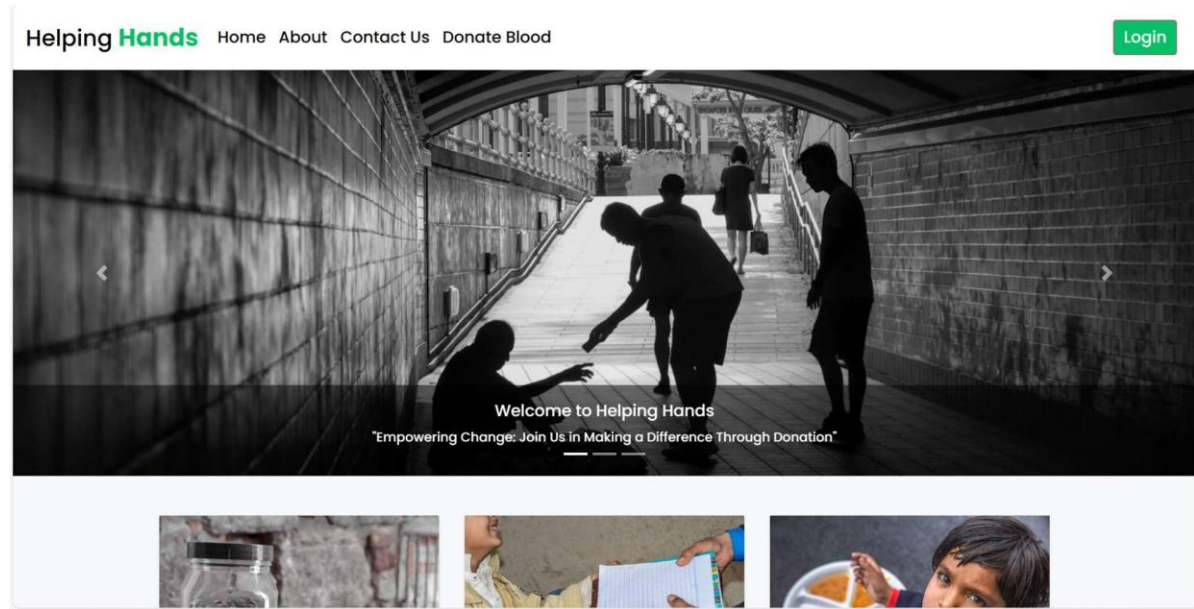


Fig 6.1.1 – Home Page

This block contains two side-by-side screenshots of the user interface for account creation and login. The left screenshot is the 'Create your account' page. It features the 'Helping Hands' logo at the top, followed by the heading 'Create your account'. Below this are input fields for 'User name', 'Email', and 'Password'. The 'Password' field includes a toggle icon for visibility. Under the password field are radio buttons for 'Male' and 'Female'. A black 'Continue' button is at the bottom of the form, with a link 'Already have an account? Sign in' below it. The right screenshot is the 'Welcome back !' login page. It also features the 'Helping Hands' logo and the heading 'Welcome back !'. It contains input fields for an email address (pre-filled with 'harini18@gmail.com') and a password (represented by dots). A black 'Sign in' button is located below the password field. At the bottom, there is a link 'Don't have an account? Register'.

Fig 6.1.2 – Signup and login Pages

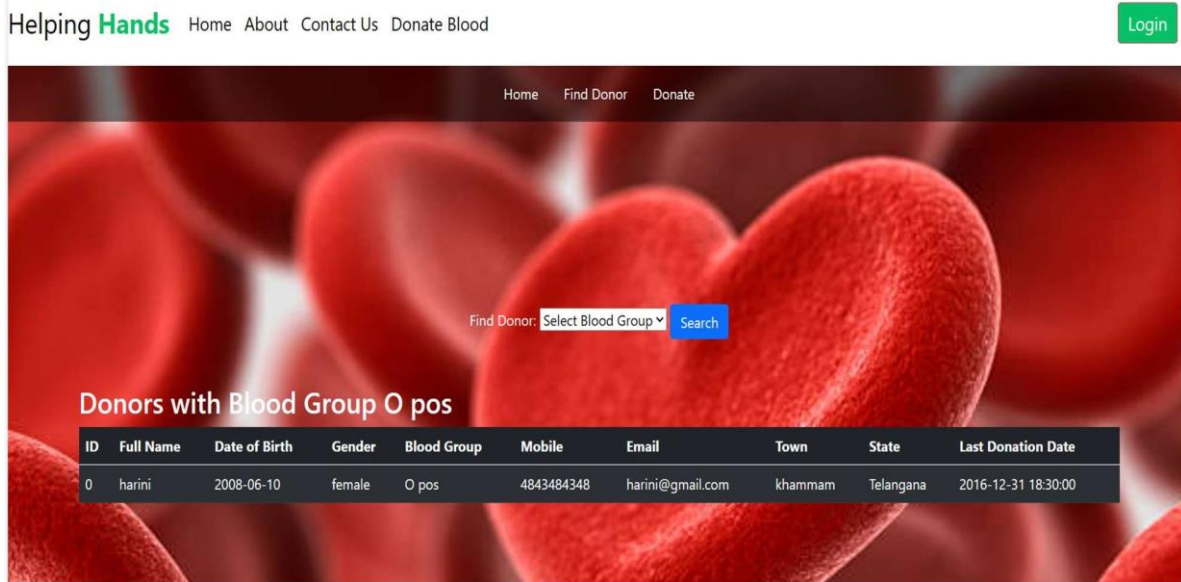


Fig 6.1.3 – Blood Donation Page

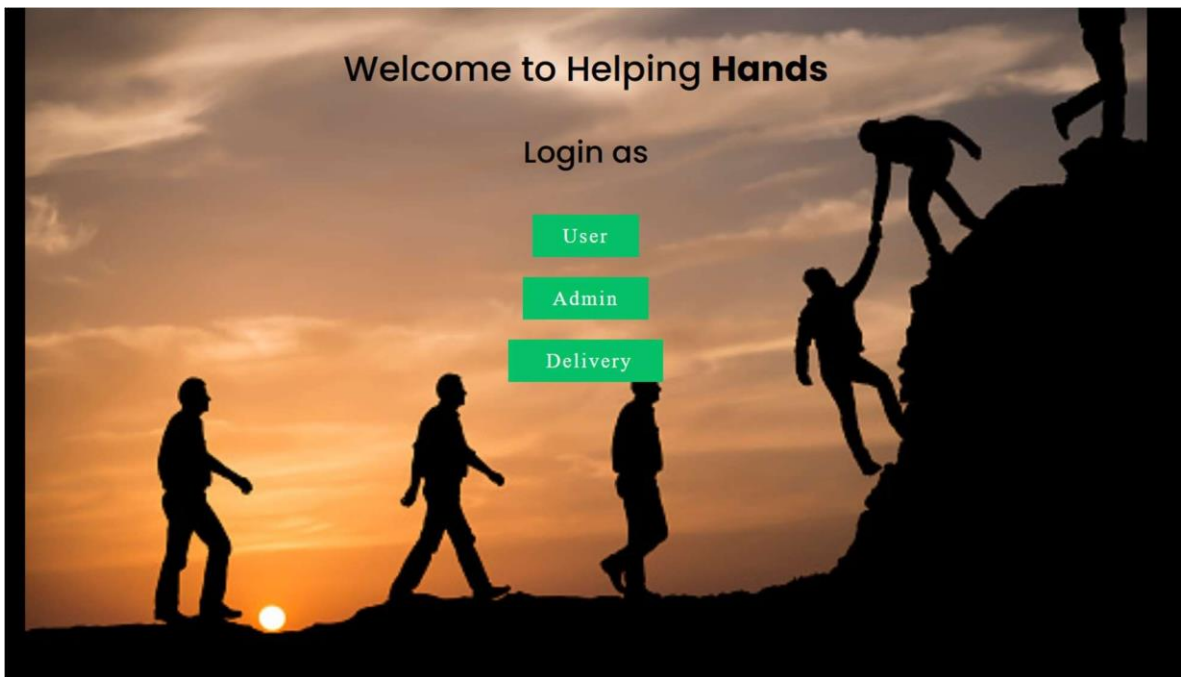


Fig 6.1.4 - Login as User/Admin/Delivery Boy



Fig 6.1.5 - User Page

Available Campaigns



Annadhan

Description: feed the hungry orphans

Amount Needed: \$2414.00

[Donate Now](#)

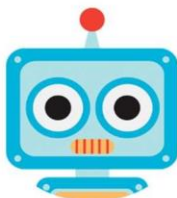


mid-day meals

Description: providing the NGO children with meals twice

Amount Needed: \$4000.00

[Donate Now](#)



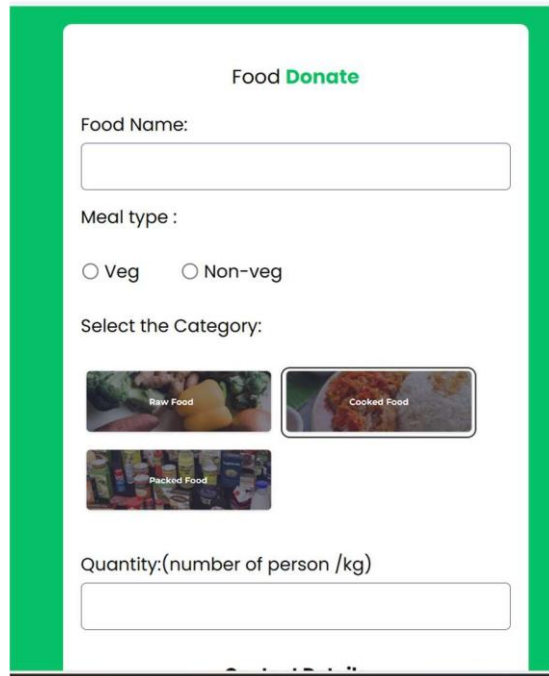
book donation

Description: spread knowledge

Amount Needed: \$5000.00

[Donate Now](#)

Fig 6.1.6 - Donate Pages in User Page




Food Donate

Food Name:


Meal type :

☐ Veg ☐ Non-veg


Select the Category:



Raw Food



Cooked Food



Packed Food

Quantity:(number of person /kg)

Fig 6.1.7 – Food Donate Form

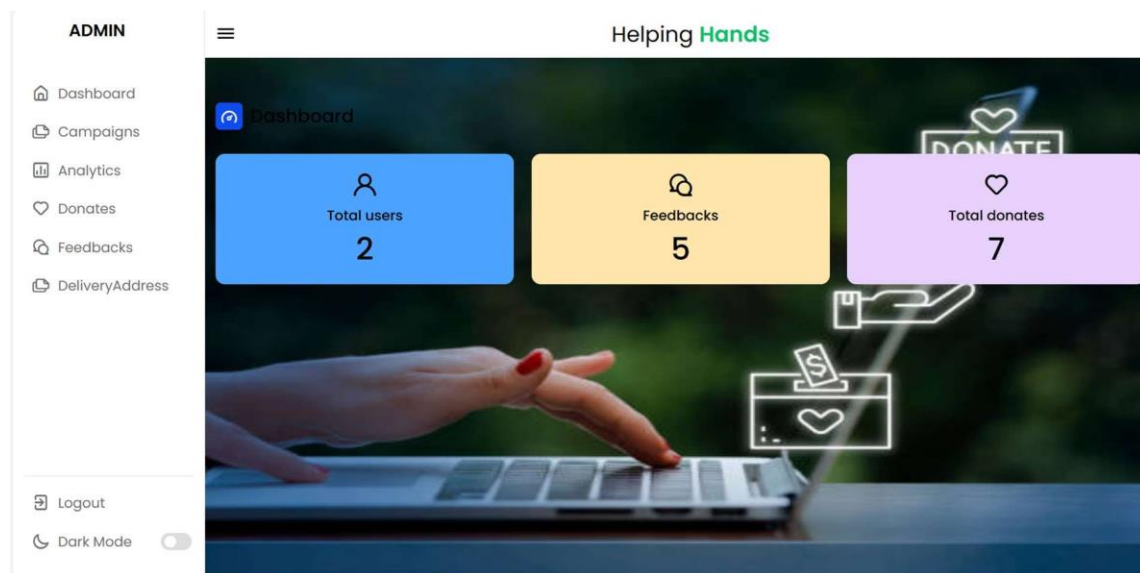


Fig 6.1.8 - Admin Page

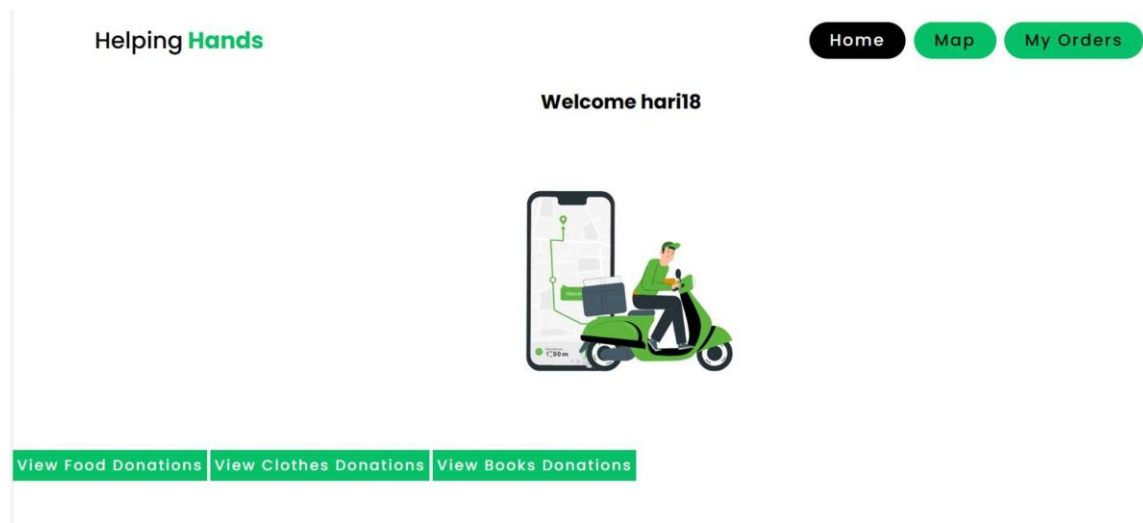


Fig 6.1.9 -Delivery Boy Page

6.2 SUMMARY

Here's a summary of the Helping Hands Donation Management System project:

1. User-Friendly Donation Process:

- Donors can make online donations easily through a streamlined interface.
- Real-time tracking and instant acknowledgment for donations are provided.

2. Effective Campaign Management:

- Administrators can add, update, and delete donation campaigns.
- Campaign details include name, description, amount needed, and image.
- Campaigns are displayed with options to update, delete, and check funds raised.

3. Efficient Payment Handling:

- Payments are processed smoothly, updating the raised and needed amounts accurately.
- Ensures transparency and accountability in handling funds.

4. Detailed User and Donation Tracking:

- User details for each donation are visible to administrators.
- All campaigns are listed for administrators to manage efficiently.
- Donors can select specific campaigns to donate to directly.

5. Comprehensive Delivery Management:

- Administrators can manage delivery addresses effectively.
- Delivery statuses are updated and displayed in a clear format.
- Ensures accurate tracking and management of donation deliveries.

6. Robust Admin Dashboard:

- The admin dashboard includes tools for managing feedback and campaigns.
- Redirection to relevant pages after actions like adding feedback is implemented.

7. Visual Representation of Donations:

- Provides a clear and appealing visualization of donation progress.

8. Backend and Database Management:

- The system uses PHP and MySQL for backend functionality.
- Handles database operations like updates and data retrieval efficiently.

Overall, the Helping Hands Donation Management System delivers a comprehensive, efficient, and transparent platform for managing donations, ensuring a positive experience for both donors and administrators.

7.CONCLUSION & FUTURE SCOPE

CONCLUSION

The Charity Management project is a beacon of hope, aiming to reduce wastage and address basic human needs effectively. Through its user-friendly platform, individuals and organizations can easily donate surplus resources, whether it's food, clothing, or other essentials. The project streamlines the donation process with customized options and efficient logistics, ensuring that donated items reach beneficiaries in a timely manner. It fosters a sense of community and engagement, providing users with opportunities to volunteer, connect with others, and make a tangible difference in the lives of those in need.

Transparency and accountability are core principles of the project, with robust tools for impact measurement and reporting. Donors and stakeholders can track the effectiveness of their contributions, gaining valuable insights into the positive outcomes generated by their support. During times of crisis or disaster, the platform serves as a vital resource for emergency response efforts, mobilizing resources and volunteers to provide rapid assistance to affected communities. Partnerships with organizations, businesses, and government agencies amplify the project's reach and impact, fostering collaboration and collective action. By forging strategic alliances and leveraging collective resources and expertise, the platform strengthens its ability to address complex social challenges and create sustainable solutions. Accessibility and inclusivity are central to the project's mission, ensuring that its platform is accessible to individuals from diverse backgrounds and abilities. With a commitment to innovation and continuous improvement, the Charity Management project empowers individuals and communities to come together and create positive change on a global scale. Through technology and a culture of generosity and compassion, the project strives to build a more resilient, inclusive, and equitable society for all.

FUTURE SCOPE

- **Scalability:** As more organizations and donors join the platform, Helping Hands could scale its infrastructure to accommodate a larger user base without compromising performance or security.
- **Integration with Payment Gateways:** Integrating with a wider range of payment gateways could expand the accessibility of the platform to donors worldwide, allowing for donations in various currencies and through different payment methods.
- **Mobile Application:** Developing a mobile application alongside the web platform could further facilitate donations by providing donors with convenient access through their smartphones. This could include features like push notifications for campaign updates and easier donation tracking on the go.
- **Enhanced Reporting and Analytics:** Continuously improving the reporting and analytics capabilities of the system could provide organizations with deeper insights into donation trends.
- **Blockchain Technology Integration:** Integrating blockchain technology into the platform could enhance transparency, security, and traceability of donations. By leveraging blockchain's immutable ledger, donors can have greater confidence in the integrity of the donation process, while organizations can ensure that funds are allocated as intended, minimizing the risk of fraud or mismanagement.

8. REFERENCES

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