

A Synopsis on

IT ENABLED FOOD BANK

Submitted in partial fulfillment of the requirements
of the degree of

Bachelor of Engineering

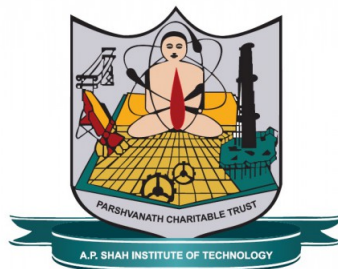
in

Information Technology

by

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2019-2020

CERTIFICATE

This is to certify that the project Synopsis entitled ***“IT Enabled Food Bank”*** Submitted by ***“Sagar Randive(16204001), Vimal Sharma (15104044), Shankar Pednekar (16204027)”***, for the partial fulfillment of the requirement for award of a degree ***Bachelor of Engineering in Information Technology***, to the University of Mumbai, is a bonafide work carried out during academic year 2019-2020

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Place: A.P. Shah Institute of Technology, Thane

Date:

Declaration

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

(Signature)

(Sagar Randive(16204001)

(Vimal Sharma(15104044)

(Shankar Pednekar(16204027)

Date:

Abstract

This project is used to manage wastage foods in a useful way. Every day the people are wasting lots of foods. So we have to reduce that food wastage problem through online. If anyone have wastage foods they are entering their food quantity details and their address in that application and then the admin maintain the details of food donator. The donator can create the account and whenever they are having remaining food they can login and give request to the admin. And the admin also maintain the buyer(orphanage, poor people, etc)details too. After the admin view the donator request and give the alert message like time to come and collect the food. And the admin collect foods from donator through their nearby agent then provide to nearest orphanages or poor people. After receiving the food from the agent by admin and give alert message to that donator. If the donator need any detail about the orphanage with helping thought they can give request to the admin and collect the orphanage details. This project is food redistribution is an enormously successful social innovation that tackles food waste and food poverty. The user's details are maintained confidential because it maintains a separate account for each user.

Introduction

In “IT Enabled FOOD BANK” we find the exact problem of food donation and this we resolve by using online platform to grove India helping. In our project we donate food and get requests of food by the NGO or trusts to satisfy the hungers with that goal food banks helps. The donator of food can donate with their quantity of food and with exact location and time and this request is get to near by NGO ,Trusts to get those food quickly to avoid expiry of food. The getting food is manage trust NGOs and donate to hungers and maintain the users to further use of charity in such events, gallery ,etc ,If the donator need any detail about the orphanage with helping thought they can give request to the admin and collect the orphanage details. This project is food redistribution is an enormously successful social innovation that tackles food waste and food poverty. The user’s details are maintained confidential because it maintains a separate account for each user..

Objectives

1. Provide food directly to people in need. Serve clients in Pembroke and outlying areas.
2. Provide food orders designed to provide meals for approximately 3 days. Clients may come once per month. Clients may come between monthly visits for bread and milk.
3. Orders consist of non-perishable items such as canned soup, tuna, fruit, and may also include: frozen ground beef, eggs, milk, bread, margarine, potatoes and fresh fruit. We supply baby food, diapers and lunches for school-aged children.
4. The main objective behind building this project reduce the gap between food donator bank and minimum time large benefits of feeding by using NGO Trusts help hunger people.
5. The using of web application donator is don't worry about to send food to hungers instead of going and deliver directly with lots of time wastage with too much search enquiry about NGO trusts for food donations .for some Important reasons are avoid wastages of food and save the hungry peoples.

Literature Review

1. S. Muthuselvan, E. Srividhya, S.R. Miruthula, S. Abdul Samad, "Location Based Orphanage Finder Application for Google Android Phones", International Journal of Pure and Applied Mathematics, vol. 119, no. 16, 2018.

All around the world, every 30 seconds two children become orphans. Almost there are more than 100 million orphans worldwide. In Asia alone there may be 65 million orphans. They are hungry, afraid and lonely. Their main issues are lack of foods and clothes for their daily usage and lack of education and money. Here, we are introducing an android application which will defeat these issues in an easy manner as well as quickly without spending more time. The notion of this paper is to support orphans of different orphanages by the people who wish to contribute the children and adopting children through online by using our android application. They can help orphans in the orphanages by contributing foods and clothes to the particular orphanage they wish, through online. The people who wish to adopt children can use this application to see the children's details with their photos in different orphanages and they can choose the child they like and other formalities is done by visiting that particular orphanage where the chosen orphan is. Fund transaction is also made by our application. This paper will be beneficial for the orphans.

2. Indian Food Wastage Reduction Application (No Food Waste). M. Islam et al., kind donation practices challenges and strategies for ngos and donors, 2013 .

No Food waste is an application from India that allows the restaurants, food stalls and parties to inform about their excessive leftover foods so that needy people can collect them for their usage. This application collects those foods and distributes those among the homeless people, slum dwellers and orphanages as well as nursing homes. According to [11], the users can also notify them by showing hunger points, and they will distribute the foods to there. The only requirement is they take foods only if it is prepared two hours before. These applications have changed the use of artificial intelligence by providing food to the needy people. It is considered one of the best uses of software development. However, food wastage is still a bad habit. According to [12], people need to be more careful while preparing or ordering food because many people around the world do not get to eat.

Problem Definition

The problems about donations and hungry peoples need of food . donate reaqurest to send and receive request via ngos and trusts helping to avoiding food expiry chance unable to delivery of food by ngos.to save the people feeding instead of throwing wasting food we need the platform forn hunger savior and quick time positions .

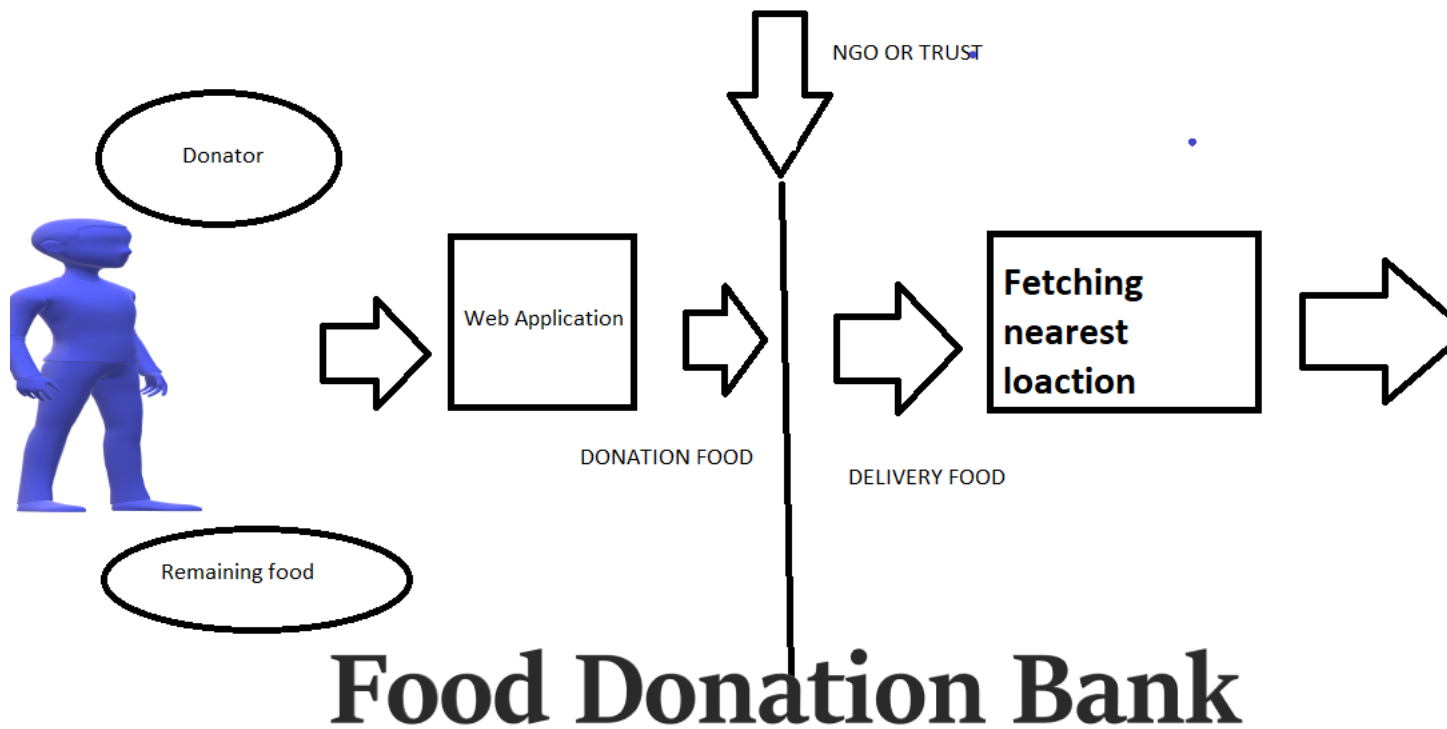


Figure 1: Food Donation

Proposed System Architecture/Working

the various of sites are cant donate food beacuase of the wastage of food with long distance or in appropriate knowledge of remaining foods.

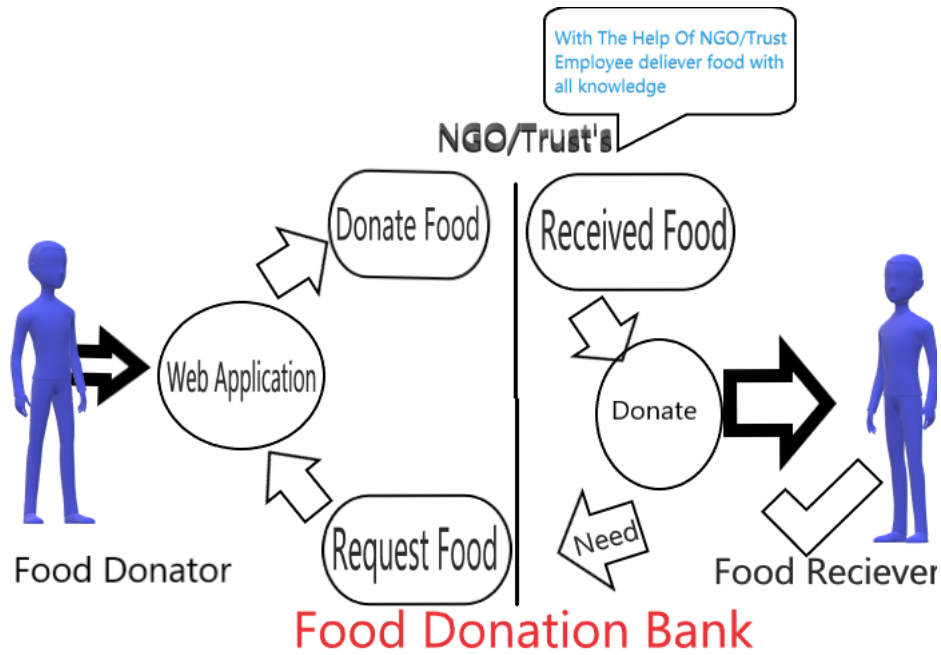


Figure 2: Food Donation Bank

use case

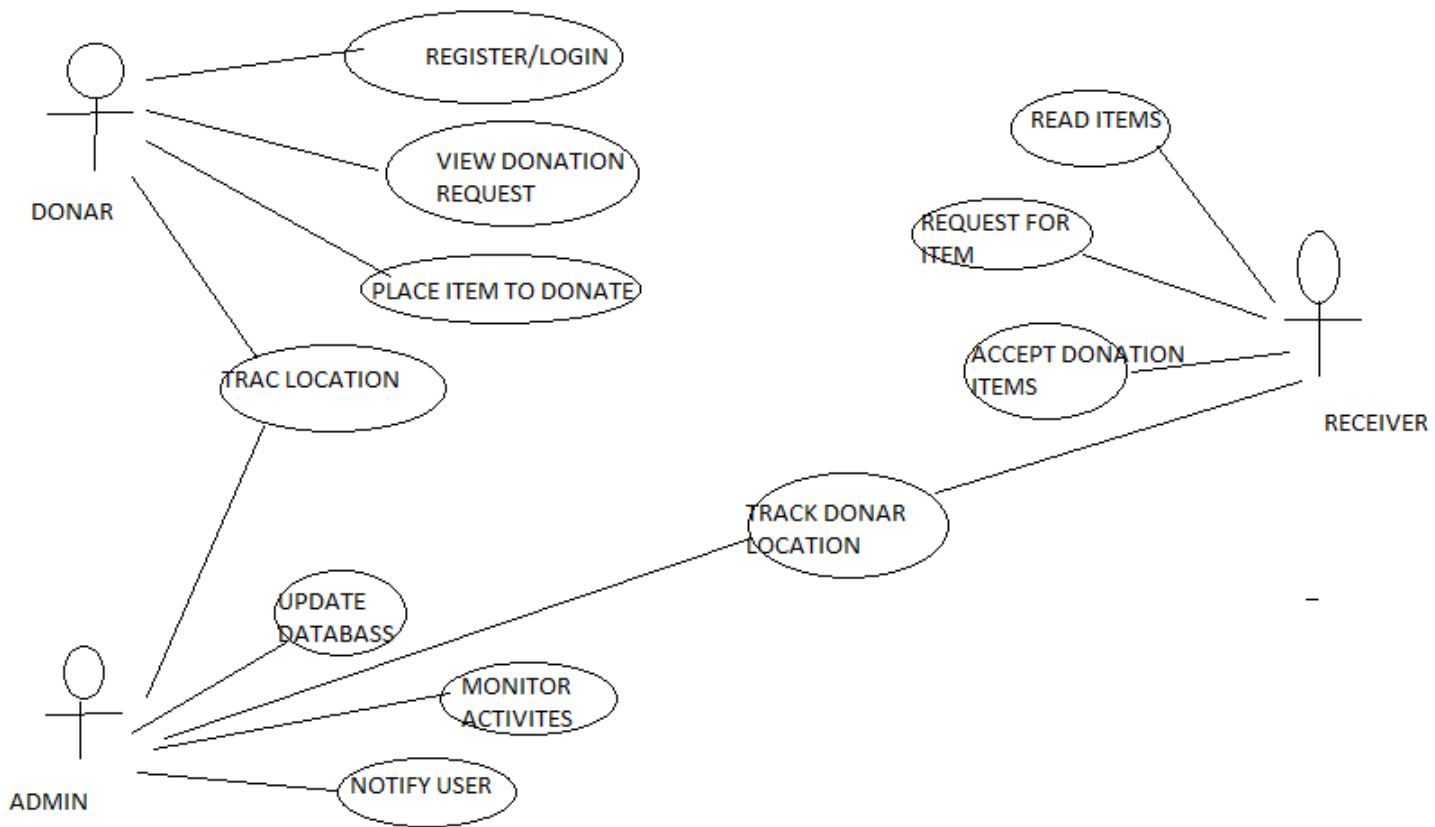


Figure 3: Food Donation

Design and Implementation

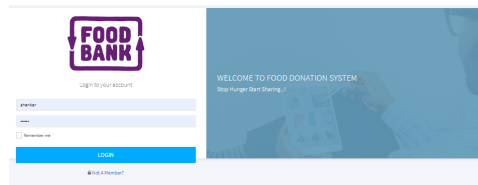


Figure 4: Food Donation

Class Diagram

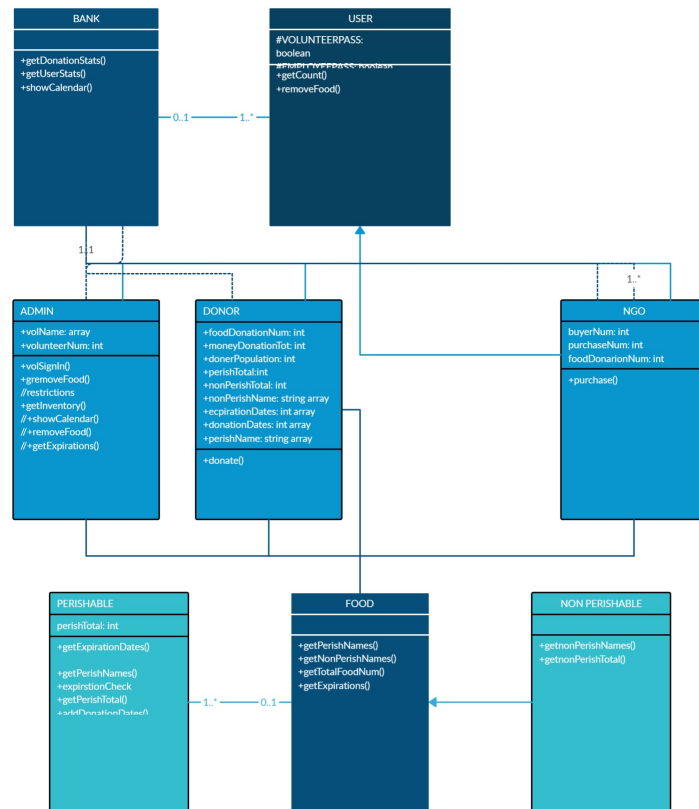


Figure 5: Food donation

Activity Diagram

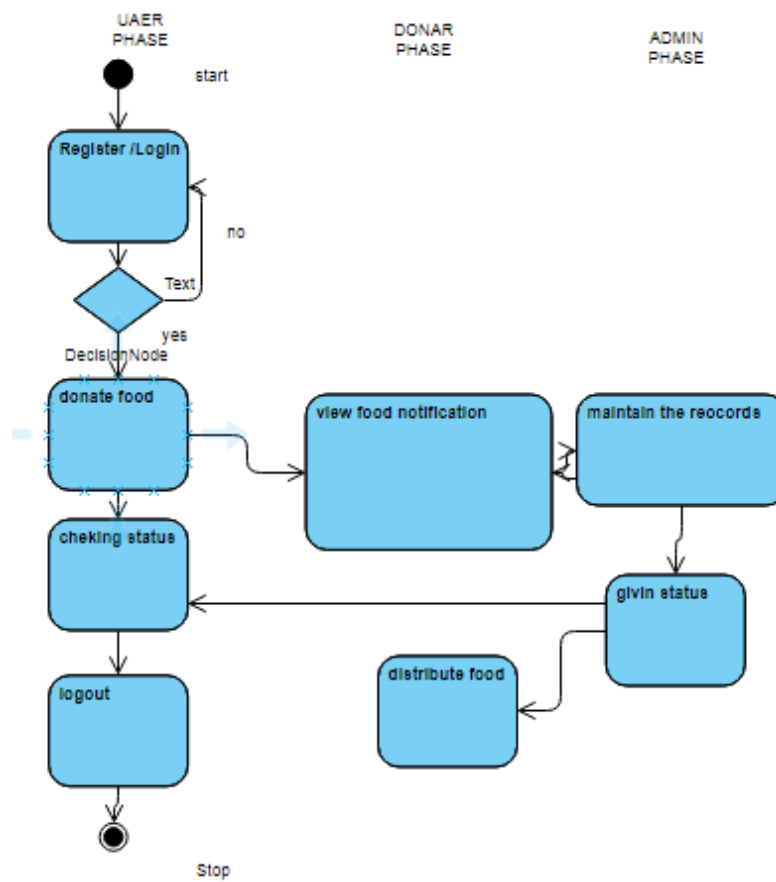
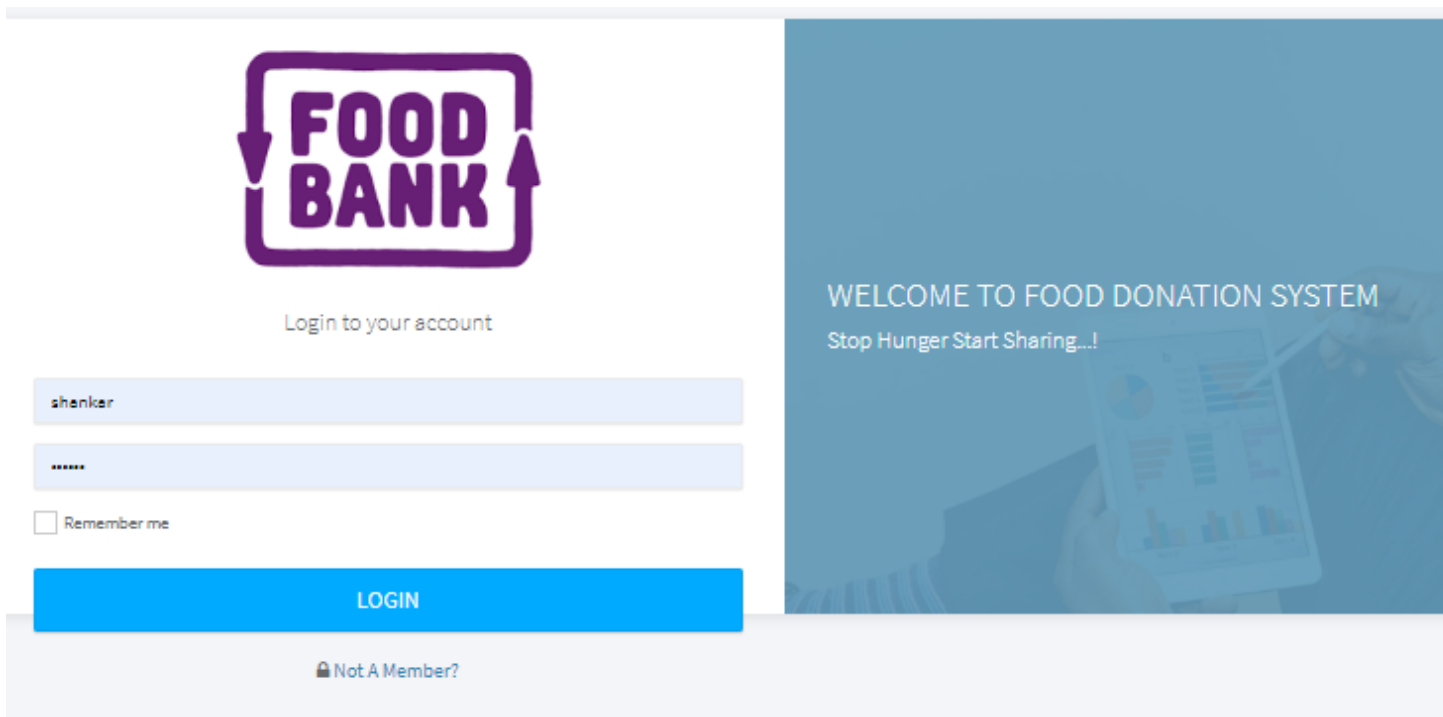


Figure 6: Food donation

Design and Implementation



The image shows a web application interface for a 'Food Bank'. On the left, there is a login form with a purple logo at the top that says 'FOOD BANK' inside a square frame with arrows. Below the logo is the text 'Login to your account'. The form contains two input fields: the first has the text 'shanker' and the second has masked characters '*****'. Below these is a checkbox labeled 'Remember me'. A blue 'LOGIN' button is at the bottom of the form. Below the button is a link that says 'Not A Member?'. On the right, there is a blue banner with the text 'WELCOME TO FOOD DONATION SYSTEM' and 'Stop Hunger Start Sharing...!'. The banner background features a faint image of a hand holding a tablet displaying charts.

FOOD BANK

Login to your account

shanker

☐ Remember me


LOGIN

[Not A Member?](#)

WELCOME TO FOOD DONATION SYSTEM
Stop Hunger Start Sharing...!

Figure 7: Food Donation Bank

Registrtrtion



FOOD
BANK

Login to your account

Shanker Keshav Pednekar

shanker

shankarpednekar2425@gmail.com

☒ Remember me

REGISTER

[Are You A Member?](#)

WELCOME TO FOOD DONATION SYSTEM
Stop Hunger Start Sharing...!

Figure 8: Food Donation Bank

Donate Page

The image shows a web application interface for a Food Donation Bank. It features a dark sidebar on the left with navigation links: 'Dashboard' (home icon), 'Request' (code icon), and 'Donate' (hand icon). The top header includes a search bar with the text 'Search dashboard...', a 'Go' button, and a back arrow. The main content area displays a greeting 'Hello, Swapnil Listed Donor.' followed by a 'Donate Food' button. Below this is a 'Recent Donors' section with tabs for 'All Groups', 'Events food', 'Resturent food', and 'Self food'. The 'All Donors' section shows a card for 'Ahammed' with a placeholder image and a 'View More Info' link. A modal titled 'Add Donor Details' is open on the right, containing form fields for Name, fathername, Gender (Male), dob, weight, email, Kandyd, Thihariyess, pincode, phone, and Address. It also has a 'Choose File' button and a 'No file chosen' status.

page.png

Figure 9: Food Donation Bank

Request Page

Search dashboard... Go

Dashboard

Request

Donate

Hello, Swapnil Listed Requester.

Request For Food

Show 10 entries

Name	Gender
------	--------

Showing 0 to 0 of 0 entries

Need For Food

Enter Name

Male

Events food

Enter unit

Enter Location

Enter date

Enter contactperson

Enter Address

Enter email

Enter contact

Enter Reason

Choose File No file chosen

Figure 10: Food Donation Bank

Admin Page

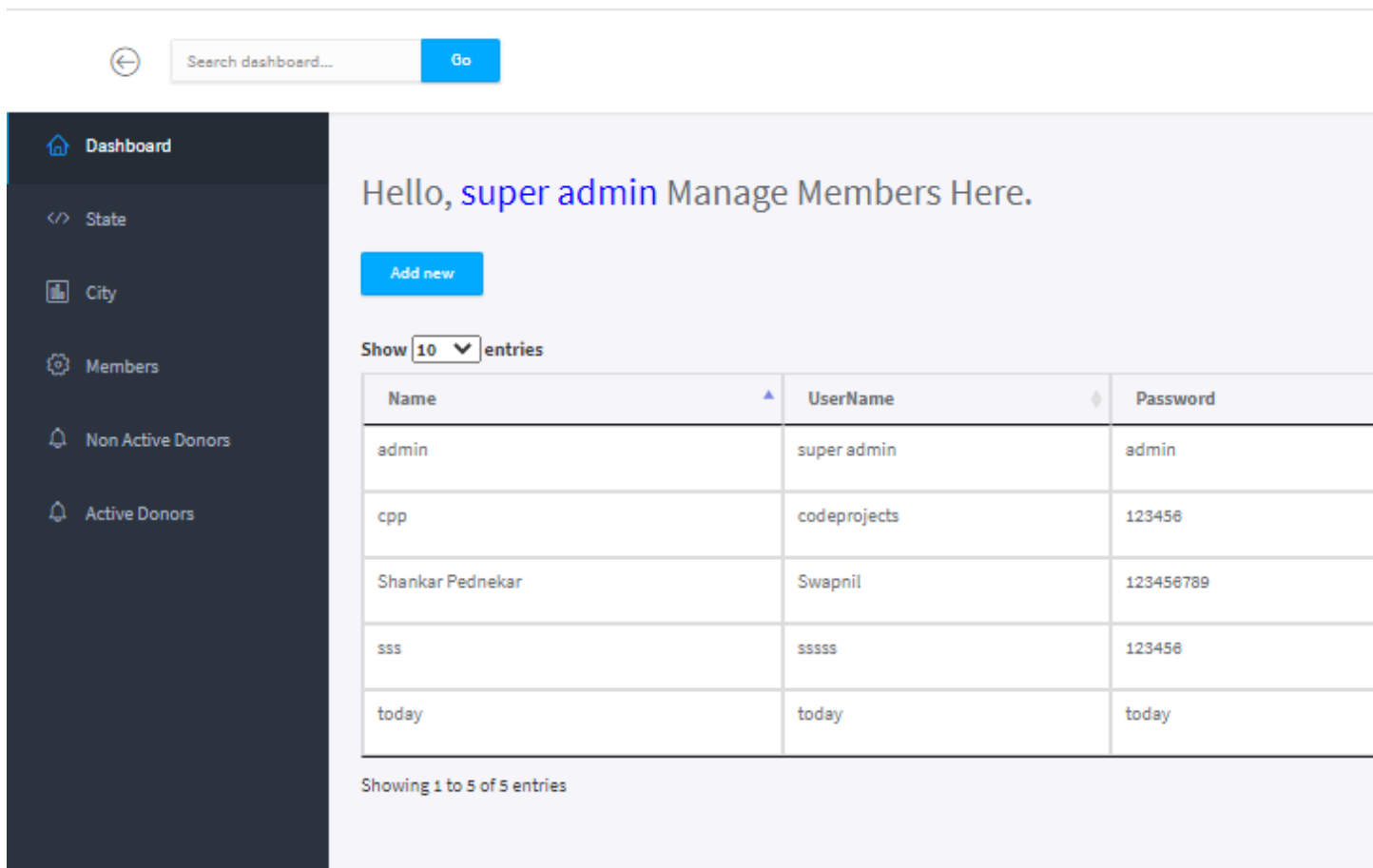


Figure 11: Food Donation Bank

Code

```
<!-- ICONS -->
<link rel="apple-touch-icon" sizes="76x76" href="assets/img/apple-icon.png">
<link rel="icon" type="image/png" sizes="96x96" href="assets/img/favicon.png">
</head>

<body>
  <!-- WRAPPER -->
  <div id="wrapper">
    <div class="vertical-align-wrap">
      <?php
        if(isset($_SESSION['success'])) {
          echo "";
        }
      ?>
      <div class="vertical-align-middle">
        <div class="auth-box">
          <div class="left">
            <div class="content">
              <div class="header">
                <div class="logo text-center">
                <p class="lead">Login to your account</p>
              </div>
              <form class="form-auth-small" action="login.php" method="post">
                <div class="form-group">
                  <label for="signin-email" class="control-label sr-only">Email
                  <input type="text" class="form-control" name="username" id="u
                </div>
                <div class="form-group">
                  <label for="signin-password" class="control-label sr-only">Pa
                  <input type="password" class="form-control" id="password" nam
                </div>
                <div class="form-group clearfix">
                  <label class="fancy-checkbox element-left">
                    <input type="checkbox">
                    <span>Remember me</span>
                  </label>
                </div>
                <button type="submit" class="btn btn-primary btn-lg btn-block">LO
              <div class="bottom">

```

1.png

Figure 12: Food Donation Bank

code

```

</head>

<body>
  <!-- WRAPPER -->
  <div id="wrapper">
    <div class="vertical-align-wrap">
      <div class="vertical-align-middle">
        <div class="auth-box ">
          <div class="left">
            <div class="content">
              <div class="header">
                <div class="logo text-center">
                <p class="lead">Login to your account</p>
              </div>
              <form class="form-auth-small" action="member_register.php" method="post">
                <div class="form-group">
                  <label for="signin-email" class="control-label sr-only">Email</label>
                  <input type="text" class="form-control" name="fullname" id="fullname">
                </div>
                <div class="form-group">
                  <label for="signin-email" class="control-label sr-only">Email</label>
                  <input type="text" class="form-control" name="username" id="username">
                </div>
                <div class="form-group">
                  <label for="signin-password" class="control-label sr-only">Password</label>
                  <input type="password" class="form-control" id="password" name="password">
                </div>
                <div class="form-group">
                  <label for="signin-password" class="control-label sr-only">Email</label>
                  <input type="email" class="form-control" id="email" name="email">
                </div>
                <div class="form-group clearfix">
                  <label class="fancy-checkbox element-left">
                    <input type="checkbox">
                    <span>Remember me</span>
                  </label>
                </div>
                <button type="submit" class="btn btn-primary btn-lg btn-block">Register</button>
              </form>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>

```

2.png

Figure 13: Food Donation Bank

code

```
<div class="main">
  <!-- MAIN CONTENT -->
  <div class="main-content">
    <div class="container-fluid">
      <!-- OVERVIEW -->
      <div class="panel panel-headline">
        <div class="panel-heading">
          <h3 class="panel-title"></h3>
          <p class="panel-subtitle">Period: May 14, 2020 - Jun 21, 2020</p>
        </div>
        <div class="panel-body">
          <div class="row">
            <div class="col-md-3">
              <div class="metric">
                <span class="icon"><i class="fa fa-download"></i></span>
                <p>
                  <span class="number">1,252</span>
                  <span class="title">Donations</span>
                </p>
              </div>
            </div>
            <div class="col-md-3">
              <div class="metric">
                <span class="icon"><i class="fa fa-shopping-bag"></i></span>
                <p>
                  <span class="number">203</span>
                  <span class="title">Donar</span>
                </p>
              </div>
            </div>
            <div class="col-md-3">
              <div class="metric">
                <span class="icon"><i class="fa fa-bar-chart"></i></span>
                <p>
                  <span class="number">35%</span>
                  <span class="title">Conversions</span>
                </p>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>
```

3.png

Figure 14: Food Donation Bank

Summary

The work presented in this report is related to IT Enabled Food Bank. This project is used to manage wastage foods in a useful way. Every day the people are wasting lots of foods. So we have to reduce that food wastage problem through online. If anyone have wastage foods they are entering their food quantity details and their address in that application and then the admin maintain the details of food donator. The donator can create the account and whenever they are having remaining food they can login and give request to the admin. And the admin also maintain the buyer(orphanage, poor people, etc)details too. After the admin view the donator request and give the alert message like time to come and collect the food. And the admin collect foods from donator through their nearby agent then provide to nearest orphanages or poor people. After receiving the food from the agent by admin and give alert message to that donator. If the donator need any detail about the orphanage with helping thought they can give request to the admin and collect the orphanage details. This project is food redistribution is an enormously successful social innovation that tackles food waste and food poverty. The user's details are maintained confidential because it maintains a separate account for each user.

References

- [1] M. Islam et al., kind donation practices challenges and strategies for ngos and donors, 2013.
- [2] I. S. Orgut, L. G. Brock, L. B. Davis, J. S. Ivy, S. Jiang, S. D. Morgan, R. Uzsoy, C. Hale, E. Middleton, "Achieving equity effectiveness and efficiency in food bank operations: Strategies for feeding america with implications for global hunger relief" in *Advances in Managing Humanitarian Operations*, Springer, pp. 229-256, 2016.
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- [4] L. Davis, S. Jiang, S. Morgan, C. Harris, "Forecasting donated goods for a local food bank", *Proceedings of the Southeast Decision Sciences Institute 2013 Annual Meeting*. Charleston SC, pp. 20-22, 2013.
- [5] M. Callegari, P. Mazzoli, L. De Gregorio, C. Notarnicola, L. Pasolli, M. Pettitta, A. Pistocchi, "Seasonal river discharge forecasting using support vector regression: a case study in the Italian alps", *Water*, vol. 7, no. 5, pp. 2494-2515, 2015.
- [6] S. Muthuselvan, E. Srividhya, S.R. Miruthula, S. Abdul Samad, "Location Based Orphanage Finder Application for Google Android Phones", *International Journal of Pure and Applied Mathematics*, vol. 119, no. 16, 2018
- [7] P. Kandasamy, M. Sinha, J. Mondkar, S. Sharma, "Interviews with PATH staff and department heads at Sion Hospital", Sion Hospital, 2017

1 Publication

Paper entitled “**Paper Title**” is presented at “**International Conference/Journal Name**” by “**Author Name**”.