P.D.E.A 'S

PROF.RAMKRISHNA MORE

ARTS, COMMERCE & SCIENCE COLLEGE

AKURDI, PRADHIKARAN, PUNE-411044

Project Name:

WASTE FOOD MANAGEMENT AND DONATION SYSTEM

" The Right Cause "

Submitted By:

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TYBCA(SCIENCE)

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CERTIFICATE

This is to certify the project entitled-

Project Name:

WASTE FOOD MANAGEMENT AND DONATION SYSTEM

"The Right Cause"

Has been successfully completed by-

Name of Students:

PARTH MAHADIK [71252]

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Towards the fulfillment of TYBCA(SCIENCE)

For the academic year 2021-22

Ms. Manali Buchade   Ms. Anuradha More

Project Guide   Head of Department

Internal Examiner   External Examiner

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And finally, I thank our colleagues for their immense.

Encouragement for their success completion of my project.

With thanks from

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Abstract

First Step capstone project objective is to handle donations and connect the donators with the nearest/appropriate needy person through a social Website. The Website handles different services such as the reviews of the searched needy person and displays their contacts and their location.

The Website allows users to create a profile for themselves and the information about a certain family that needs help. This profile will be shown to donators who are looking for someone to donate to. Mainly only information is exchanged. The donators are able to post/see reviews about other people's profiles.

This Website is aimed to help the Moroccan society and create a sense of solidarity through modern techniques. The social implications it will have after being launched will certainly aim at closing the gap in terms of quality of life for the less fortunate citizens.

Introduction

A single restaurant wastes about 1000 pounds of food in a month. Restaurants, caterers, corporate dining rooms, hotels, and other food establishments promptly distribute perishable and prepared foods to hungry people in their communities. In this system hotels can provide food to NGO's by requesting them. NGO's can also request hotels when they feel shortage of food. No food waste is the mission of this system. In this system there are 3 major entity namely, Admin, Restaurant and NGO. Admin can login and manage restaurants and NGO's by adding them and update the list. Restaurant can login and update their profiles. They can also view the accepted food list which is yet to pick up. Restaurant can add access food details. They can also accept request from NGO. Restaurant can also view the accepted, pending and previous todays Access Food list which are accepted by NGO. They will be getting notifications. NGO can login and update their profile by providing details. They can view and accept the restaurants request and also food details. They can accept and assign an employee for food pick up. In the time of food shortage NGO can also raise request to the restaurants. And after request been accepted by restaurant, they can assign an employee for delivery purpose. They will get notifications.

Existing System & Proposed System

Problem with current scenario

• NGO are non-profit making agencies that are constituted with a vision by a group of like-minded people, committed for the uplift of the poor, marginalized, unprivileged, underprivileged, impoverished, downtrodden and the needy and they are closer and accessible to the target groups.
• Food surplus and shortage usually exist within a few miles of each other.
• Increasing in populations led to food crisis, there are many people in NGO's and it become difficult to have food storage for all the time.

❖ **Drawbacks of the existing system**

• Maintenance of the system is very difficult.

• There is a possibility for getting inaccurate results.

• User friendliness is very less. • It consumes more time for processing the task.
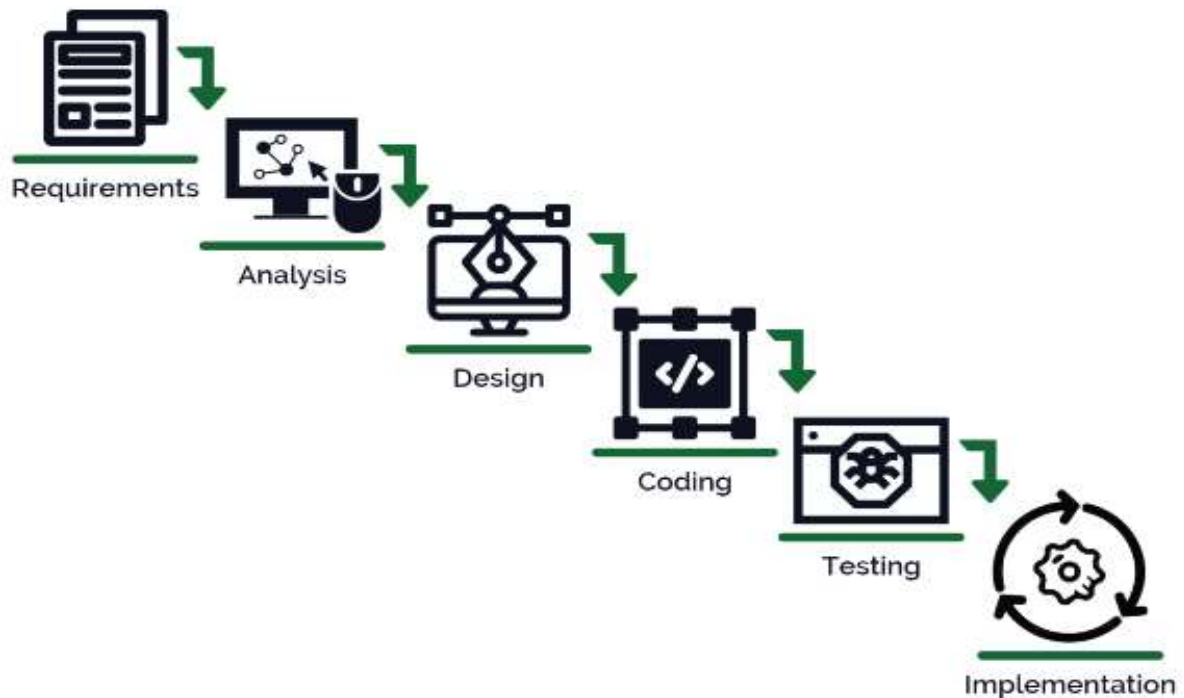
Proposed System

- Considering the anomalies in the existing system computerization of the whole activity is being suggested after initial analysis.
- The Website is developed using HTML and CSS
- Proposed system is accessed by one entity namely, and User.
- Admin need to login with their valid login.
- After successful login, admin can access all the modules and perform/manage each task accurately.
- Admin can perform task such as can manage restaurants and NGO's by adding them and update the list.
- Restaurant can login and update their profiles. They can also view the accepted food list which is yet to pick up. Restaurant can add access food details. They can also accept request from NGO.
- Restaurant can also view the accepted, pending and previous todays Access Food list which are accepted by NGO.
- NGO can login and update their profile by providing details.
- They can view and accept the restaurants request and also food details. They can accept and assign an employee for food pick up. In the time of food shortage NGO can also raise request to the restaurants. And after request been accepted by restaurant, they can assign an employee for delivery purpose.

Need For A System

In existing system, user needs to gather the food related information through friends or through website. It increases the human work and user could not easily identify the home details and order the food from that home. It is tedious process for the user to become aware of the home details and collect the food from that home. Though the home details provided by the admin may vary by its location of home. User could not find the nearby location of home and food they required on time

- Benefits will be both the restaurant (reducing food wastage), and the needy

- Keep track of wastage food for restaurant

- User can play role in saving food wastage and help the needy

WaterFall Model

Description

The waterfall Model is a linear sequential flow. In which progress is seen as flowing steadily downwards (like a waterfall) through the phases of software implementation. This means that any phase in the development process begins only if the previous phase is complete. The waterfall approach does not define the process to go back to the previous phase to handle changes in requirement. The waterfall approach is the earliest approach that was used for software development.

Requirement Specification:

- **Hardware Requirement**

- Processor   : intel core i5

- RAM   : 8GB

- Hard disk   : 80 GB

- **Software Requirement**

- Operating System   : Windows

- Web Technologies   : Html, CSS

- IDE   : Notepad

- Web Server   : Microsoft Internet Explorer, Mozilla, Google Chrome or later

- Operating System   : Windows 10 / Windows 11

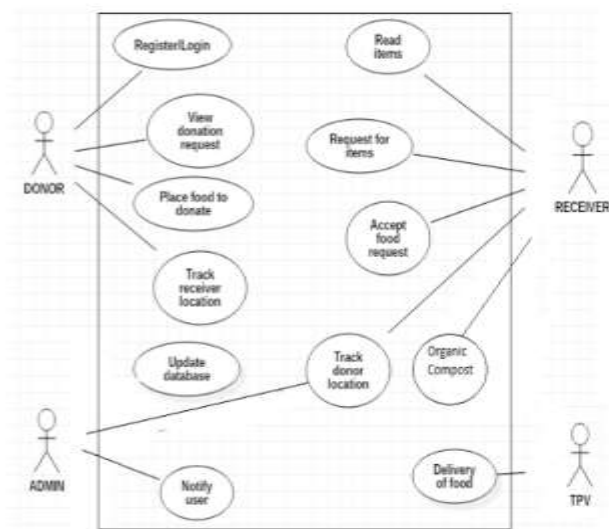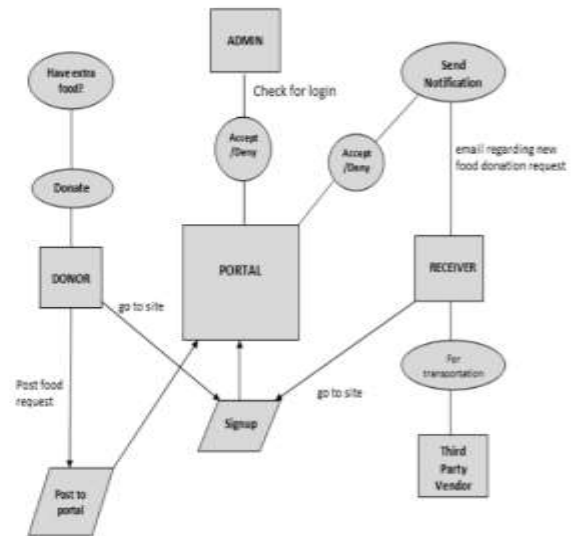- MS Word 97 or later

System Architecture

Fig : A1

Fig :A 2

System Description

The system comprises of 3 major modules with their sub-modules as follows:

Admin:

1. **Register:** User can register using personal details.

2. **Login:** User can login in his personal account using id and password.

3. **Restaurant:**

   - List restaurant: List all the restaurants available
   - Add/Register New Restaurant

4. **NGOs:**

   - View All NGOs
   - Add/Register New NGOs

Restaurant:

1. **Register:** User can register using personal details.

2. **Login:** User can login in his personal account using id and password.

3. **Profile:**

   - View Profile/Restaurant details
   - Change Password

1. **History:**
   - View Orders history
     - Accepted
     - Pending
     - Confirms

2. **Food:**
   - Add new food items to restaurant

NGOs:

1. **Register:** User can register using personal details.

2. **Login:** User can login in his personal account using id and password.

3. **Details:**
   - View Other NGOs Profile
   - View restaurant requests

4. **Add Request:**

   - Request food for NGOs from restaurant
   - Assign employee for delivery of the food

5. **Manage Employees:**

   - Add new employee
   - Update employee details
   - View employee profile

6. **Records:**
   - View restaurant history

7. **Profile:**
   - View Profile/Restaurant details
   - Change Password

Advantages Of Project

Advantage:

- Needy people will get food to eat.

- Food will not get wasted.

- NGO's will not be facing food shortage.

Limitations

- This application requires active internet connection.

- User need to put correct data or else it behaves abnormally.

Conclusion

Hundreds of thousands of tons of food are either lost or wasted while millions of people suffer from malnutrition. A plausible initiative is the food donation portal in which large retail chains and potentially other organizations can donate food. This food is collected and delivered by Third Party vendor to NGO in need. Food donation portal will help thousands of people that suffer from starvation and also consume food that are wasted with no reason. As consequence, research and actions are needed to improve the efficiency of food donation portal.

References

- **<u>Websites:</u>**

    ✓ en.wikipedia.org

    ✓ https://ijireeice.com

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