Let's End Hunger

M.Ramesh, T.Kusuma Ratnanjali, V.Shivanjali

Assistant Professor, Department of CSE, KKR & KSR Institute of Technology and Sciences, Guntur, AP, India.
B.Tech Student, Department of CSE, KKR & KSR Institute of Technology and Sciences, Guntur, AP, India.
B.Tech Student, Department of CSE, KKR & KSR Institute of Technology and Sciences, Guntur, AP, India

ABSTRACT: The issue of food wastage is a topic of major concern. In a country where many people die due to lack of food and not even getting food to eat single time a day, around such situations we also see a situation where tons of food gets wasted every day. There are people who wish to donate food for the needy but couldn't due to lack of information. So to create a bridge between the people who want to donate food and people who are in need of it we develop a website in which any person willing to donate food will come and enter the details and then a pop with food notification will be shown until a person accept and come to receive the food and as soon as one has accepted the notification disappears automatically. By implementing this we try to minimize at least some small amount of food wastage.

KEYWORDS: Food, Hunger, food wastage, donate.

I. INTRODUCTION

Saving Food offers a novel approach to manage food waste, by turning this issue into an innovative solution to fight hunger through the redistribution of leftover food to welfare organizations that support people in need. Moving forward from existing food redistribution channels Saving Food seeks to create a social movement for reducing food waste, by engaging all actors of the food waste cycle to become part of the solution. Develop a bottom up solution for reducing food waste and fighting hunger. Go beyond food redistribution to improve awareness and engagement across multiple stakeholders. Create a novel and more effective operational model for food redistribution that will dramatically increase current levels of engagement.

The project brings together the food waste community and the technical and scientific community in a mutually beneficial context to provide a complete, sustainable and flexible platform where all participants – food donors, beneficiaries, policy-makers and society at large – can engage, discuss and deliver within a pro-social environment in which everyone's needs are met, information is shared and food is effectively distributed.
The main mission of Saving Food is to provide wide solution for reducing food waste. There are many organizations and grassroots communities around that work towards this end but mainly based on a more traditional approach and without exploiting the power of online networks. Saving Food offers a unique opportunity for them to make their activities more effective and increase their impact. Therefore, the Saving Food platform will be made available through a standard Open Source license so as to provide the opportunity to interested food rescue organizations to replicate, adopt and use it after the end of the project.

II. LITERATURE SURVEY

Neo Chai Chin [1] discussed an 11th hour answer to cutting down on waste food. Tan Jun Yuan who is a food stall hawker from Singapore felt very bad noticing that people waste so much food in every year. He saw many vendors with leftover foods in a day. The quantity was 10 to 15 bowl of pork ribs served including other foods that he served the customers per day. He also saw that more than 35 percent of food he made every day was left as extra. Therefore, he created the application named 11Th Hour. This application provides the left and unused foods at the half of their original price before the restaurants are closed. After the creation of this application, there were almost 20000 downloads of this application.

The authors Joris Tielens and Jeroen Candel [2] said that more than 1200 business hubs and 3000 charitable societies work under this application to provide excess foods to the homeless people. The application "Food Cloud" has

been declared as one of the useful food wastage application in the United Kingdom as well as Ireland. This application notifies the supermarkets about their surplus food so that the charitable societies can collect them and reduce the chances of food wastage. This application works as an intermediate that provides the type of foods and arranges the pick-up for the charities.

According to Leejiah J. Dorward [3] in the age of modern era, where we are developed through artificial intelligence, people are more dependent on the smart phone. There are various applications, which are developed to control the huge wastage of food, and it provides the opportunity to send that extra food to the people who need it. There are multiple applications, which control food waste.

III. EXISTING SYSTEM

The existing system is which the food is placed in fridges that are available at particular places in different localities. Whoever wanted to donate or having leftovers can place the food in the fridge and whoever wanted to eat can go to that fridge and take whatever they want.

Another system is that we have a website that collects leftovers and distributes to the needy. They have pickup vans for this job.
Disadvantages:
- It is not being implemented everywhere and moreover if the fridge is in repair the food will rot.
- To gather a donate food, a separate organization should be formed and maintenance costs are high.

IV. PROPOSED SYSTEM

The main goal of the proposed work is to improve the food donation process by creating a website. This website enables anyone to donate their leftovers. People can simply go to the donate leftovers option and provide their address. The request is visible to NGOs. Once the request is accepted it will no longer visible. The NGOs will pick up the food from the address provided and distribute it to the needy.

A. ADVANTAGES:

- No need to from separate organization to tackle this.
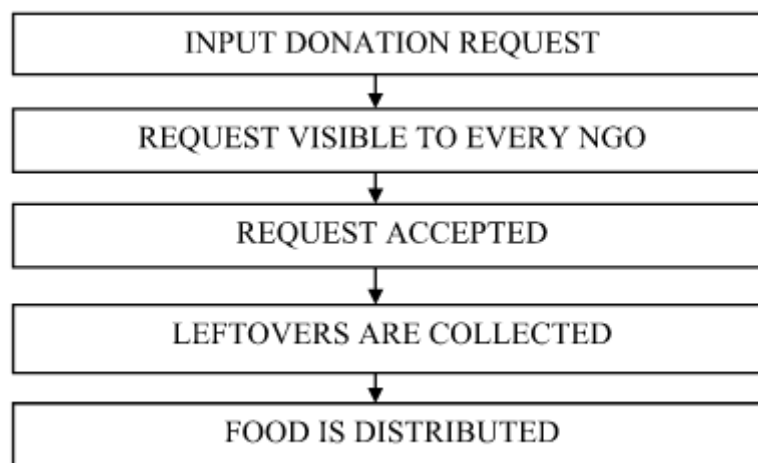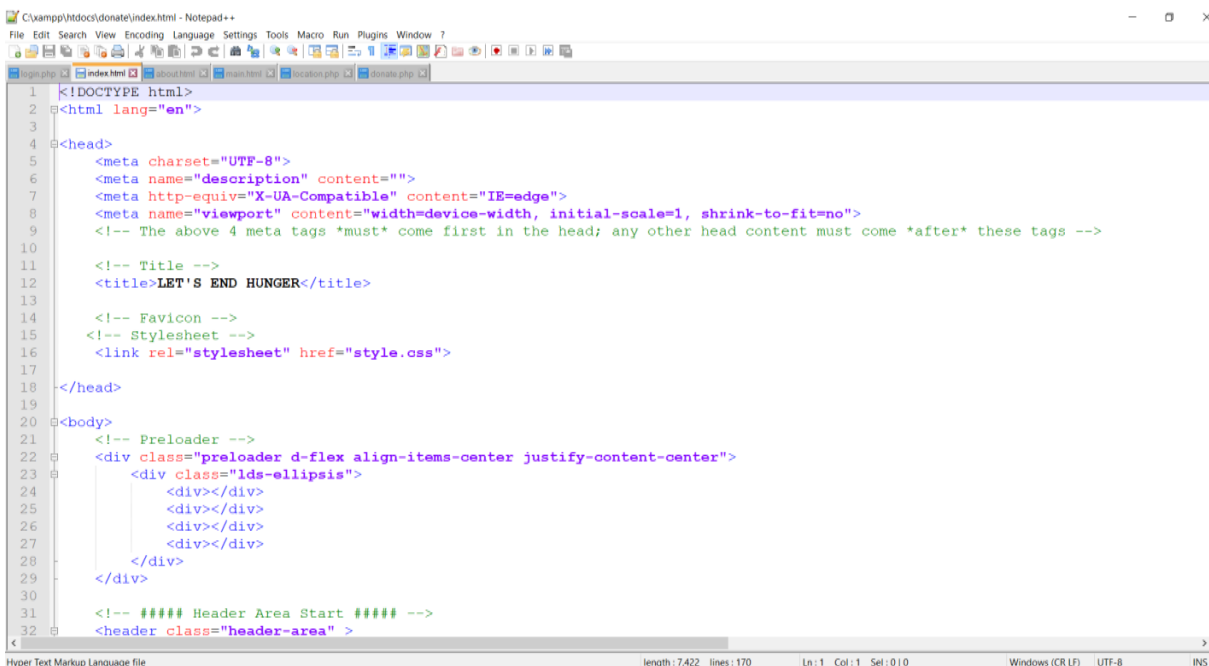- Linking up NGO with people makes it much easier.

Figure 1: Methodology of Proposed System

B. IMPLEMENTATION:

Notepad++:

Notepad++ is a text and source code editor for use with Microsoft windows. It supports tabbed editing, which allows working with multiple open files in a single window. It is distributed as free software. It features syntax highlighting, code folding and limited auto completion for programming scripting and markup languages.

Notepad++ has features for consuming and creating cross-platform plain text files. It supports reinterpreting plain text files in various character encodings and can convert them to ASCII, UTF-8 or UCS-2.

Figure 2: Notepad++ Interface

Notepad++ has also the features of auto save, finding and replacing strings of text with regular expressions, guided indentation, line bookmarking, macros, simultaneous editing, split screen editing and synchronized scrolling, line operations, including sorting, case conversion (Uppercase, Lowercase, Camel case, Sentence case) and removal of redundant whitespace and tabbed document interface.

C. WORKING MODEL:

This is a website where the user should register and login to the website. If you have any left-over food then login to the website and you will come across the Donate Food button, when you click the Donate Food option you will be redirected to the location details page where you have to fill all the details like your name, phone number, email, and address. These details will be forwarded to NGO's nearby. NGO will be accepting the request and collects left-over from you and distributes the food to the Needy people.
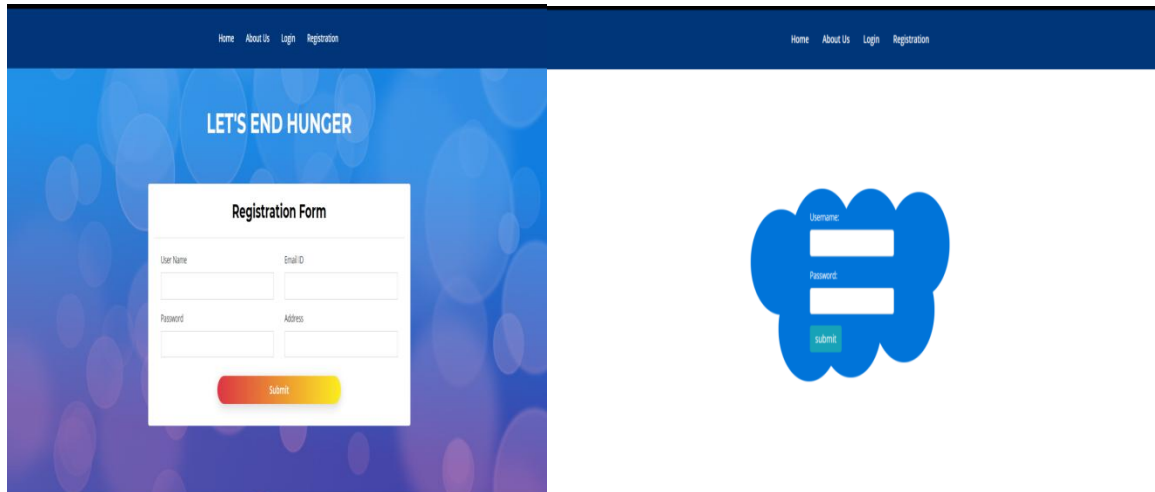
V. RESULTS

Figure 3: Registration and login form

Every user and the NGO's should give the valid credentials and they have to register and login to the website before donating the food.
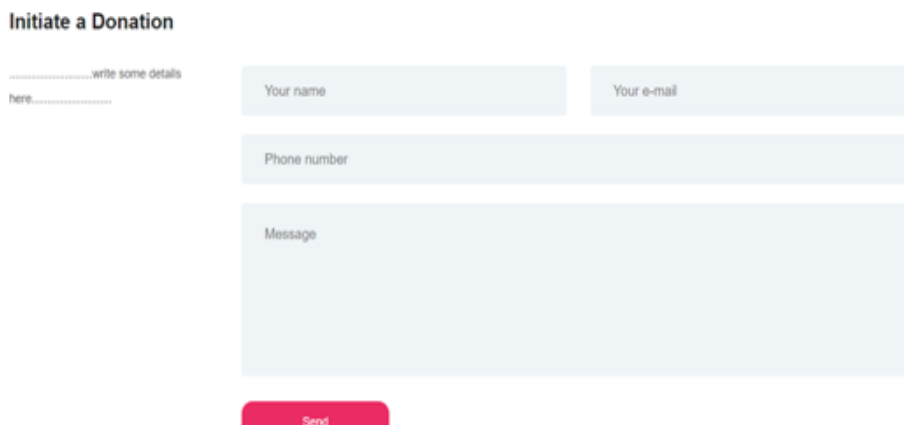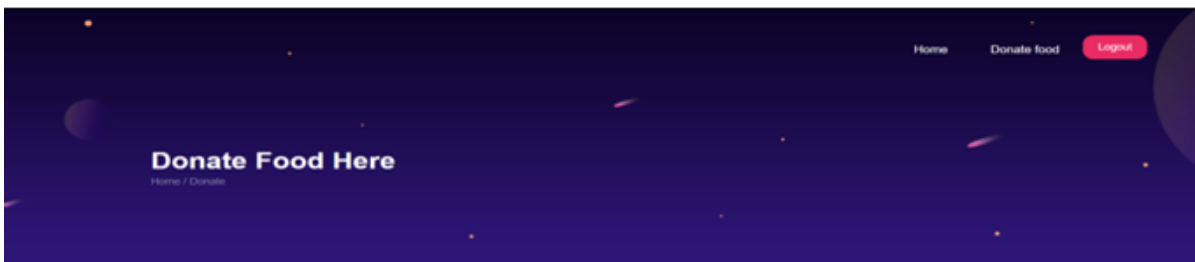

Figure 4: Initiate a Donation

After login to the website initiate a donation by clicking on Donate food option and fill the form given so that the NGO's can contact you to take the left-over food.
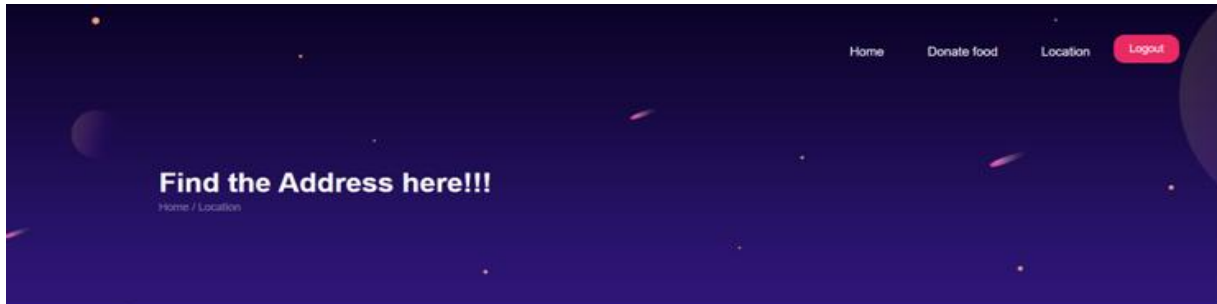
Figure 5: Location to collect food

After initiating a donation the donor's location will be shared to NGO's where NGO's find the donors location using popup in the map. From their NGO's collect the left-over food and distributes the food to the needy.

VI. CONCLUSION & FUTURE WORK

In this paper Donation of Food is only presented and we act as a Third-party. The application which we developed will be acceptable by any user and will adequately meet his/her needs. But, in future we start our own services of distribution by not depending on NGO's. And also provide other donations like clothes, stationary, money, etc.

REFERENCES

[1]. Neo Chai Chin, an 11th Hour answer to cutting down on food waste; 07 November 2016. [Online].Available: http://www.todayonline.com/singapore/11th-hour-answer-cutting-down food -waste. [Accessed 14 December 2017].
[2]. Joris Tielens and Jeroen Candel, & Reducing food wastage, improving food security? Food; Business Knowledge Platform, 2014.
[3]. Leejiah J. Dorward, Where are the best opportunities for reducing greenhouse gas emissions in the food system (including the food chain)? A comment: Food Policy, vol. 37, no. 4, pp. 463-466, August 2012.