FOOD RE-SERVE

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Abstract

Food waste management in India is becoming a critical problem due to the continuous increase of the Indian population. Indians waste the maximum amount of food as much as the whole of the UK consumes. Weddings and banquettes are enormous supply of food wastage. Overall, we tend to conclude that, across the town, an absence of consciousness around waste material is obvious. It is true that the difficulty of food waste management in India is far additional nonmoving within the actual handling, storage, and transport of food grains and 'vegetables before they even reach the consumer's plate. However, the matter of waste material at the retail level cannot be unnoticed, particularly once 7.5 tons of food is wasted per day. Considering this problem there had been many approaches done addressing to this problem. In India there are many NGO's directly contacting the restaurants for food and also there are applications such as feedie, nofoodwaste, cow boy foods etc. Hence, we have come up with our project -FOOD RE-SERVE which is a website that allows the orphanages, old age homes, NGO's directly contact the restaurant to avail the details of the leftover food thereby, increasing the communication. The website contains the details of the quantity of food available in restaurants. Based on the locality and the quantity of food available it automatically allots the restaurants from where the food is supposed to be collected thus reducing manual call work and specifying the quantity helps us to further control food wastage so that extra food again can be delivered to other orphanages and NGO's.

1. INTRODUCTION

Hunger is the leading cause of death in the world. Our planet has provided us with tremendous resources, but unequal access and inefficient handling leaves millions of people malnourished. In 2015 the global community adopted the 17 Global Goals for Sustainable Development to improve people's lives by 2030. Goal 2 – Re-Serve– pledges to end hunger, achieve food security, improve nutrition and promote sustainable agriculture. Our vision: five steps to Zero Hunger Put the furthest behind first to realize the full potential of our globalized economy, national governments must expand social

protection schemes for the most vulnerable. Investing in inclusive development isn't just the right thing to do; it makes good business sense. Pave the road from farm to market Access to affordable, nutritious food for everyone—all 7 billion of us—is vital. We must innovate and invest in making our supply chains more efficient by developing sustainable durable markets. To support these markets, we must also improve rural infrastructure, particularly roads, storage and electrification, ensuring farmers ability to reach a wider consumer base. Reduce food waste About one third of the food we produce each year is lost or wasted, costing the global economy nearly US$ 1 trillion annually. FOOD RE-SERVE Centre for Engineering Education Research 2 Make nutrition a priority, starting with a child's first 1000 days Nothing is more important to the development of a child than good health and nutrition, particularly in the first 1000 days (from conception through to the age of two). To prevent stunting and to promote healthy development, we must ensure that children and nursing mothers have access to the required nutritious foods. Among these, reducing food waste is the best way everyone can follow. To implement this, we are going to provide a platform. i.e., FOOD RE-SERVE.

2. RELATED WORK

This website aims to redistribute surplus food to those who are in need of it. Anyone who have excess food from an event, party, wedding, etc., if they call their helpline, their volunteers will collect the excess food from them and distribute it among people who need it. The excess food will be checked for quality because lack of proper refrigeration and storage tend to spoil food. Leftover food originating from parties, weddings and restaurants will just go waste, unless it is donated in order to satiate the hunger of deprived people living in slums and on the street. If anyone informs this website through their helpline, they go and collect the food. If it is possible, they store the in cold storage facilities and supply it to the homeless, slum-dwellers and needy congregate before it comes stale.

3. IMPLEMENTATION

Reducing food waste is one of the ways to meet the Food Re-serve. Many of the people aren't getting even two meals per day, whereas in other hand there are many who wasting food like anything. So, we have designed a website, where people can upload leftover food details in the events, restaurants, etc. Organizations reach the location, collects food and makes the hungry stomach filled. Daily we are listening that many people are dying due to lack of food and on the other hand daily a large quantity of food is wasting in hotels,

functional halls, parties etc. This situation has made us to select this project.

The project seeks to follow the following steps:

1.Introduce a platform to donate leftover food to the needy.

2.The main aim is to end all forms of hunger and malnutrition, making sure all people– especially children–have sufficient and nutritious food all year.

3.To reduce the wastage of food.

The design of the website is described as below…. Home Page: The following picture is the Home Page of the website.

Whoever visits the website, if they want to know about how website works and who works on it, they should click on About Us. When it is clicked, it is directed to About Us Page.

How FOOD RE-SERVE Works:

□ If any person wants to refer the previous events done by website, they can click on Gallery. It directs to the Gallery page where all the pictures of conducted events are Published.

Food Uploader Registration/Login Page:

If the person is a Food Uploader and not yet registered in the website, they need to register first. After registering, email verification link is sent to the given mail id. Once they verify the account, the account gets activated. If they have account already, they can directly Log In

to the page. If the user forgets password they can reset the password.

Food Uploader Home page:

□ The person whoever wants to upload food details should click on Food Uploader. When Food Uploader is clicked, it is redirected to Food Uploader Home page as shown below…

□ Food Uploader should click on Upload Food to upload the leftover food details and address of the food availability.

Food Uploader Home Page Food Consumer Registration/Login Page:

If the person is a Food Consumer and a new user of the website, they need to register first. After registering, an email verification link is sent to the given mail id. Once they verify the account, the account gets activated. If the user has account already, they can Log In to the page directly. If the user forgets password, they can reset password.

Food Consumer Home Page:

The organizations who are in need of food should click on Food Consumer to book the food. When Food Consumer is clicked, it is redirected to Food Consumer Home Page as shown below. If they click on Select Food, it displays the available food items with their location. Whatever they want, they book it by clicking on order button. After the items booked by any person, those details get deleted from the database to avoid confusion for the other
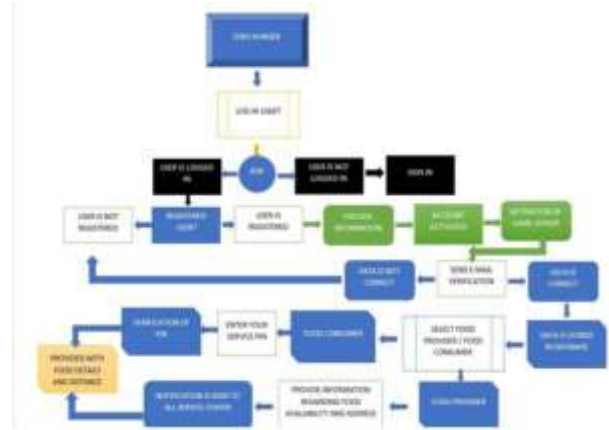
people. Person can book the food which is near his area by searching the area in the search option.

Contact Us: If any person has any doubts, they can send messages to our email using this page. And they can even contact us through Facebook, Instagram, twitter, email and LinkedIn.

As we have gone with the need statement, we gone through a literature review so that we can know what exactly our prototype must contain, what kind of updates it should have. We created a website where people can upload details regarding leftover food I.e., food items names, how much amount of food is left, how many people can eat, and their location. The NGOs, orphanages, old age homes whoever is in need they can go through the website and book the food which is near to their location. They reach the location and collect the food. If the orphanages and old age homes doesn't have facilities to get the food, NGOs take up the work and give food to them by collecting it from the location uploaded.

This website can help a lot of the people who are unable to get two meals a day. There are many who are dying because of malnutrition. Reducing the food waste can be met with this platform. Malnutrition and Hunger can be eradicated.

The design of the prototype is as shown below in the, figure.

4. EXPERIMENTAL RESULTS

Visual Studio Code is a streamlined code editor with support for development operations like debugging, task running, and version control. It aims to provide just the tools a developer needs for a quick code-build-debug cycle and leaves more complex workflows to fuller featured IDEs, such as Visual Studio IDE.

1.Revealing the existing function on framework.

2.Web service interoperability objectives are to give consistent and programmed associations starting with one programming application then onto the next.

3.Web administrations use the institutionalized industry-standard show for the correspondence. All the four layers (Service Transport, XML Messaging, Service Description, and Service Discovery layers) use well-described shows in the web organizations show stack.

4.Web services are intended to be utilized over the web; that is simply similarly a page is brought, one can get web administration capacity over the web.

5.The expense of growing new frameworks diminishes altogether since such frameworks are amassed from instant web administrations.

5. CONCLUSION

Here by we conclude that our website concentrates on meeting Food Re-Serve

Hunger by reducing food waste. People upload the leftover details and location in the website. Organizations collect food from the location and supply to the needy. This is the platform which is connecting donor to the nonprofit organizations.

1.This project has been developed considering no cost.

2.The usage of application is simple and easy and can be used by everyone.

6. REFERENCE

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