

Food Excess Management

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Abstract— This project is used to manage wastage foods in a useful way. Every day the people are wasting lots of foods. So we've to scale back that food wastage drawback through on-line. If anyone has 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 wastage 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 read the donator request and provides the alert message like time to return and collect the food. The admin collect foods from donator and then provide to nearest orphanages or poor people. If the donator needs any detail about the orphanage with helping thought they can give request to the admin and collect the orphanage details.

Key words:

I. INTRODUCTION

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 as a result of it maintains a separate account for every user. Most people do not realize what quantity food they throw away a day— from uneaten leftovers to spoiled manufacture. About 95 % of the foods we tend to throw away finishes up in landfills or combustion facilities. In 2013; we tend to disposed quite 35 million plenty of waste matter. Many people would like to gift things to impoverish the organizations.

Also, several organizations would like to invite numerous things needed by them like garments, food grains, books, utensils, etc., but there is no source available through which they can satisfy their requirements. Thereby, an Android application has been developed through which people can donate food items as per their capacity. The majority of the population today uses smart phones with active internet connection, which is the basic requirement for this product to function properly.

II. EXISTING SYSTEM

In existing system if anyone have extra food because of any function or in their home it will become waste because instantly there is no way to share with anyone if they are having lots of food. Even if they want to give that extra food to any orphanage or poor people they don't have time or don't have an idea about that. So that we are creating an application to sponsor that extra food to poor people or nearby orphanage. Currently, people donate stuff manually by visiting each organization number of times. In order to reduce the problems of food wastage, some websites like www.rescuingleftovercuisine.org and www.annakshetra.org have taken efforts to help people donate their surplus food to shelters through their official website, wherein people can donate food, donate funds and also volunteer for various

activities. 'Share my dabba' is another initiative to get left over food in dabbas to hungry street children, using just a tiny sticker and the extensive dabbawala network. Every day 200 thousand children on Mumbai's streets are hungry and every day 2 of them die of hunger. The Mumbai dabbawala's deliver 120 a lot of food everyday out of that sixteen tons is left uneaten

III. PROPOSED SYSTEM

Proposed System-In proposed system we are reducing that food wastage using our application. This project is food redistribution is an enormously successful social innovation that tackles food waste and food poverty. The admin collect foods from donator and then provide to nearest orphanages or poor people. After receiving the food from the agent by admin and give alert message to that donator through this way we can reduce food wastage problem. The planned application is android-based, developed on Android Studio version 2.0 using java and xml requires internet connection and will provide a platform for donors and seekers after they successfully register into the system. If a user wishes to donate something, he/she can send a message in application. This message is going to be shown as notification in donations tab to different users. This message is going to be hold on in backend within the database. Once a notification is distributed, the orphanages who wish to claim the donations can reply to the donor and contact him/her. The user interface of this system is going to be straightforward and easy, and therefore the targeted system is android.

IV. MODULES

In this project consist of the different types of module.

The modules are:

- 1) Donator Module
- 2) NGO (admin) Module

A. Admin Module

- 1) In admin module, the administrator maintains the donator details.
- 2) The administrator collects the food from the agent.
- 3) The administrator gives the orphanage details directly to the donator.

B. Donator Module

In donator module, the donator gives the wastage of food to the orphanage. The donator gives the request to the admin for the purpose to collect the wastage food. The donator views the orphanage details and agent details.

V. SOFTWARE REQUIREMENT

Operating System	: Windows, Android
Technology	: Asp.Net, C#, Android (Java, XML)
Web Technologies	: Html, JavaScript, CSS
IDE	: VisualStudio2013, Android Studio

Database : MS SQL Server 2012

VI. CONCLUSION

Struck by the fact that tones of food are being wasted every day when millions are starving prompted us to build the interface. We interviewed various stakeholders, like the caterers and restaurant owners regarding food wastage, and some NGOs and college students to know about their willingness to distribute food among the needy. The idea is to build a simple interface such that all the stakeholders could access it smoothly. We developed the design of our application in various iterations with correct feedback and applying all the techniques and data we tend to learnt throughout our course. Restaurants, caterers and others will be able to easily donate excess food to the needy to a new mobile application. The application provides associate interface between caterers/restaurant owners and NGOs concerned in distributing excess food from eateries can facilitate prevention of food wastage, according to its makers. A donor will register on the application and generate a request to pick up the leftover food. A notification on that then goes to the volunteers of the NGOs UN agency will distribute food.

VII. FUTURE SCOPE

The application can be improved in many ways and may be extended to support a lot more devices like the tablets and iOS devices. Following are some of the possible extensions:

- 1) The application can be extended to provide a more advanced search by taking the zip code as the input.
- 2) For the selected city, all the NGOs in the distance range can be displayed irrespective of the city.
- 3) There can also be ways to directly navigate the NGO to the donor's place by implementing Google maps.

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