

Waste Food Management using Food Donation App

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Abstract

In this project, we are trying to discard food from our app. Our Android application consists of four modules, the first is free, the second is the free service, the third is the receiver module and the fourth is the management module. In the donation, the person can donate his good food, he can do this by giving food information to the other party. In volunteering, a person or organization in need of food can send its request to the app, then the recipient can receive it free of charge from the volunteers, and the administrator manages the information and other requests.

Introduction

The aim of this development is to limit food waste in society. Many restaurants and people like to throw away food at the end of the day, even if it's perfectly edible, which means a lot of food goes to waste. Even if all food is wasted, some families cannot afford to eat properly for little money. They don't have enough food because they don't eat enough three times a day. That's why we decided to create our app to connect restaurants and less fortunate people, so that finally lucky people can collect food from restaurants and people who don't waste it.

The app allows restaurants and customers to enter and upload photos of their leftover food along with a description of the meal and pickup location.

It is understood that modern technology develops and develops day by day. The main thing is to help those who need help. The idea behind the project can be used by many people who want to donate something to organizations in need. Also, many organizations like to ask for everything they need like clothes, food, books, and supplies.

In this mobile application, we try to reduce food waste by giving food waste to people or organizations in need.

Those in need will add a request if the donor has leftover food. The request is sent to the donor list. The donor then accepts the offer. We will manage the delivery by creating truck drivers who will collect food from donors and distribute it to those in need. The second option for delivery is that volunteers who want to donate food can join us for distribution in the immediate area.

For example: They can distribute food in public schools, public hospitals, orphanages, nursing homes. A third option is the food bank, if we get food at an awkward to me, we can give it to the food bank where the food is taken care of. Food banks are still safe and clean. For this reason. No food wastage or spoilage.

Idea behind the project:

In this application, we try to reduce food waste by giving food waste to people or organizations in need. Those in need will add a request if the donor has leftover food. The request is sent to the donor list. The donor then accepts the offer. We will manage the delivery by appointing a truck driver who will collect the food from the donors and distribute it to those in need.

No food wastage or spoilage.

Existing System and proposed System

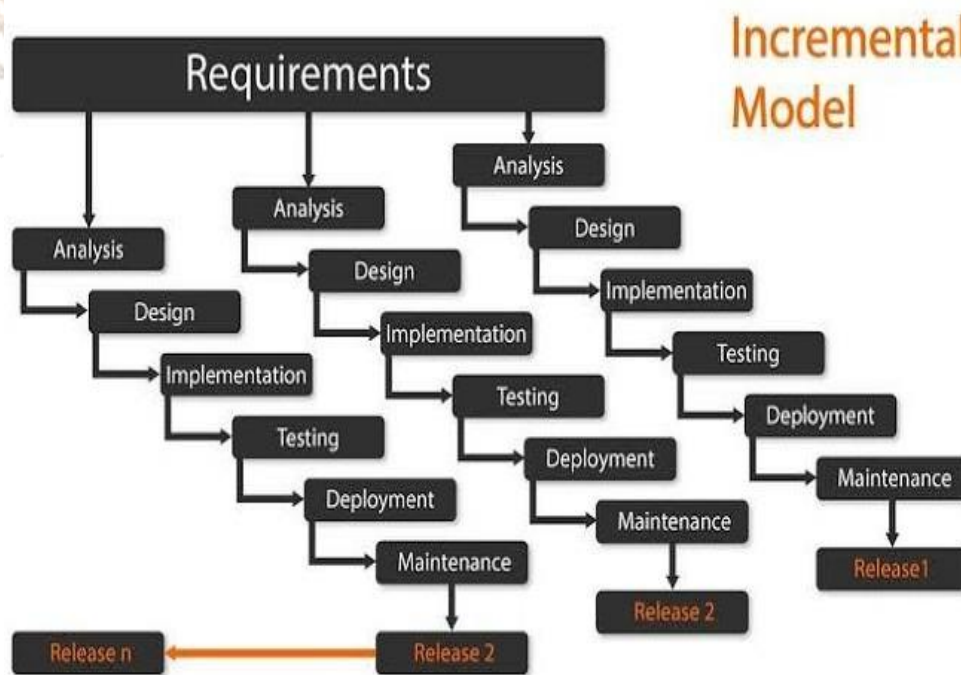
Those wishing to donate now will need to visit the association in person and donate e food or other supplies. Otherwise, they have to search some websites for more food. Often large factories, shops and communities contribute to food banks or food waste every day. They should find an organization that needs food. This process involves significant time contacting organizations to check the rules.

If there is no need for food, the person should contact another organization. This wears out the donor.

Food donation apps act as an interface between users looking for a way to donate without wasting too much food. It allows us to donate more by notifying nearby customers of the contents of available food. Users need to keep notifications. The system distributes food according to priority. The Food Donation Project System application is designed in such a way that the user can choose between two options.

If the user wants to donate food, please login with username and password and add the following information to the app: food name and surplus. User location using GPS. Please contact with address details to request more food. Free information is included in the app and all users can bring food. If the user wants to request a meal, he must enter the contact information and address of the organization he belongs to.

Incremental Model



Food Donation Project System Modules

Registration and login: User must login with name, email id, contact number and address.

Give more food: user needs to select the function to give or request more food. It is necessary to write the address of the supplier.

Volunteers: Volunteers accept requests for food delivery locations

Conclusion

Food waste is a problem facing the world today. Appropriate measures should be taken to prevent food waste, otherwise the people of the world will suffer from food shortages. If you can save food so that it is not wasted, we can feed the hungry who have nothing to eat. We created "Food Sharing", an Android app that reduces food waste by donating food.

Any restaurant or individual customer can donate food through our app. Volunteers from our registered organization will collect supplies and distribute them to the hungry. We believe that food waste will be reduced through our activities. A lot of food can be donated through our activities, and poor or hungry people can get food when they don't have enough food. That's why our project can make a big difference in society by not wasting food.

Our aim is to connect voluntary organizations that voluntarily collect excess food with restaurants or food consumers who have leftover food.

Reference

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