



IJIRCCCE

e-ISSN: 2320-9801 | p-ISSN: 2320-9798



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN COMPUTER & COMMUNICATION ENGINEERING

Volume 9, Issue 5, May 2021

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA

Impact Factor: 7.488

 9940 572 462

 6381 907 438

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 www.ijircce.com

An Android Application for the Waste Management of Food

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ABSTRACT: Wasting food may be a common downside in our society. refuse management is crucial since it will improve our environmental and economic property. we've got known the employment of mobile technology to cut back refuse management ANd designed an humanoid mobile application that permits restaurants to gift and share their foods and leftovers with individuals in want. This app can change users to register, login, view items, add items, add things to cart, take away AN item from the cart, and exit. This app is victimization the base of operations storage and period of time info. Random user in want will see all the food pictures given by completely different users and add it to his or her cart.

KEYWORDS: Login page, Signup page, Donator Name, Location

I. INTRODUCTION

The increase within the quantity of wastage of food makes the requirement for charity in terms of donation. a replacement internet-based application that has a platform for donating leftover food to any or all poverty-stricken people/organizations. It provides info concerning the motivation to come back up with such Associate in Nursing application, thereby describing the prevailing donation system and the way the planned app works for the betterment of society. The app is shown to be an efficient suggests that of donating things to organizations/people over the web. It shows the potential for avoiding the wastage of food.

In extremely inhabited countries like Bharat, food wastage may be a troubling issue. The streets, garbage bins and landfills have ample proof to prove it. Marriages, canteens, restaurants, social and family get-togethers and functions expel out such a lot food. Food wastage isn't solely a sign of hunger or pollution, however additionally of the many economic issues. The high commonplace of living has resulted within the wastage of food, thanks to fast changes in habits and style. rather than wasting food we are able to place them in use by donating them to varied organizations like orphanages, adulthood homes, etc. The app is associate degree internet-based mechanical man application that essentially aims at charity through donations.

Most people do not understand what quantity food they throw away each day — from cooked-over leftovers to spoiled turn out. concerning ninety five p.c of the food we have a tendency to throw away lands up in landfills or combustion facilities. In 2013, we have a tendency to disposed quite thirty five million plenty of waste matter. many of us would like to present things to destitute organizations. Also, several organizations would like to evoke varied things needed by them like food however there's no supply offered through that they'll satisfy their necessities. Thereby, associate degree automaton application has been developed through which individuals will present things as per their capability conjointly the} application also permits organizations to place up their requests, i.e. things needed by them, if any. the bulk of the population nowadays uses good phones with active net association, that is that the basic demand for this app to perform properly.

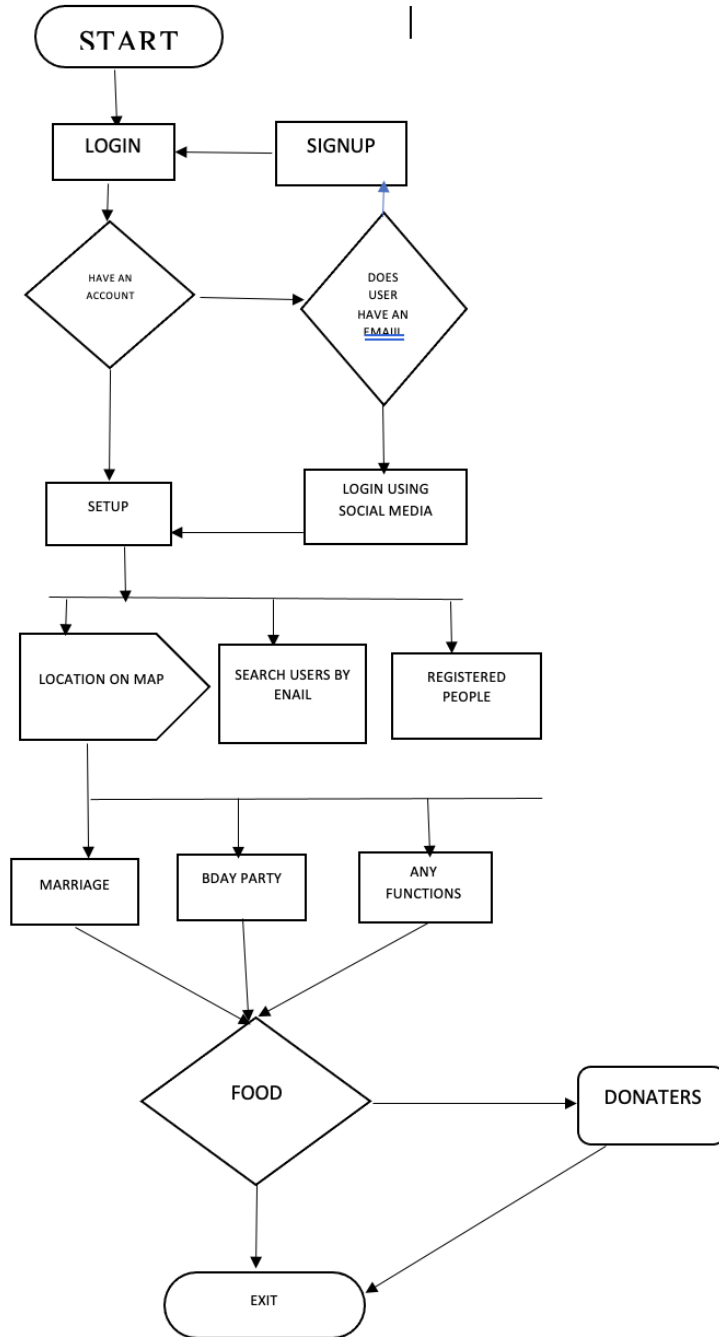
II. LITERATURE SURVEY

- 1) M., Pareek et.al delineated that correct disposal of refuse has exhibit a stern monetary and environmental concern. It seems that conversion of refuse into energy via anaerobic processes in terms of paraffin is economically viable. However, difficulties related the gathering moreover as transportation of refuse ought to even be thought of. withal, the chunky or no price of refuse at the side of the environmental aids considering the waste discarding would balance the initial high investment prices of the biorefineries. Moreover, the

efficaciousness and price base of the generation might be upgraded by intensifying analysis and improvement studies on absorptive completely different added product producing processes.

- 2) Bernstad, A et.al projected this review of twenty-five life cycle assessments of various waste material treatment alternatives shows that each absolute values and relative ranking of compared treatment alternatives differs for the most part in relevancy their impact on heating potential. However, these variations aren't found to be connected in the main to actual variations within the environmental impacts from studied systems, however rather to variations in system boundary settings, method decisions and, to a lesser extent, to variations in used input file.
- 3) Kumar, G et.al this concludes Food is lacking in whole management. The study of Taiwan was instructed as AN labile model to developing countries to boost their current FW management. additionally, AN integrative Food Waste management was any suggested so as to guide governments to systemize and style their FW management . Ultimately, by creating efforts in implementing Food Waste, the longer term perspective of Food Wastage to developing countries may produce opportunities in handling energy demands and moving toward property development.
- 4) Zu Ermgassen, et.al E. K., tells that whereas feeding municipal waste product to farm animal is presently outlawed within the EU, it's a common apply in several elements of the planet, and there's growing interest in its potential use as a replacement for top impact, high-cost standard pig feed. this is often the primary study to check the nature impacts of exercise municipal waste product as animals feed with various disposal choices within the EU. we tend to used a holistic, hybrid LCA approach to check four waste product disposal technologies of fourteen totally different nature and health impacts and located that changing municipal food wastes into pig feed would result in lower nature and health impacts than process waste by composting or anaerobic digestion – the UK government's presently most well-liked disposal choices (DEFRA, 2015a). The widespread use of waste material as animals feed the EU would force shopper and trade support, change, and investment in waste material assortment infrastructure. Our results counsel that if these barriers may be overcome, the re-legalisation of waste material in pig feed may lead to substantial environmental and health edges.
- 5) Lundie, S et.al proposed that this LCA study allows conclusions to be drawn with regards to the comparison of four different food waste disposal options (FWP, home composting with two operating modes, co disposal and centralised composting), and additional general conclusions based on these results.
- 6) Garcia-Garcia et.al planned the analysis delineate is applied each|to each} kind of garbage from every stage of the food offer chain. However, this system is predicted to be additional helpful within the early stages (agricultural and manufacturing) of the food offer chain, wherever separate assortment is mostly allotted additional effectively, than within the merchandising and client stages wherever waste is usually sent to municipal solid waste. to boot, it's counseled to adapt the categorization to every food sector or business and embody additional waste management alternatives within the analysis (e.g. extraction of compounds of interest from food waste).
- 7) Cristóbal, J et.al aforesaid that it absolutely was shown that cluster|a gaggle|a bunch} of measures will forestall a lower amount of garbage than a second group of measures however nevertheless the previous can avoid a better environmental impact. This points out that once designing garbage bar methods, it's necessary to line the targets at the extent of environmental impact, avoiding to line targets at the extent of avoided garbage generation (in mass).

Flowchart of the Application



III. PROPOSED METHODOLOGY

Login & Registration

This section involves login & registration for each the guest and Agent. The user’s details square measure maintained confidential by maintaining separate account for every user. At an equivalent time solely, the agent will read the main points of the registered guest.

Notification



This section involves the notification to the agent by the guest. The user can send the notification that contains the situation of food out there via notification bar. this can be achieved by victimisation notification button.

Admin Module

In admin module, the admin maintain all records of donar as well as receiver to i, e. who donates the food and who received the food.

Donator Module

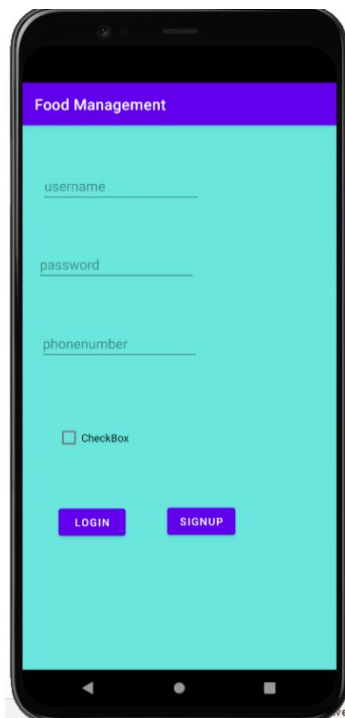
In donator module, the donator offers the wastage of food to the orphanage. The donator offers the request to the admin for the aim of to gather the wastage food. The donator views the orphanage details and agent details.

Receiver Module

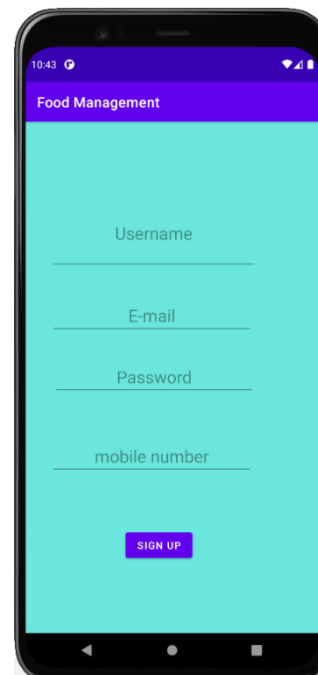
In Agent module, the Receiver save the details. It can also save the donator details. The Receiver provide the request to the admin for collect the food from the donator. when collect the food the agent provides the alert message for the donator.

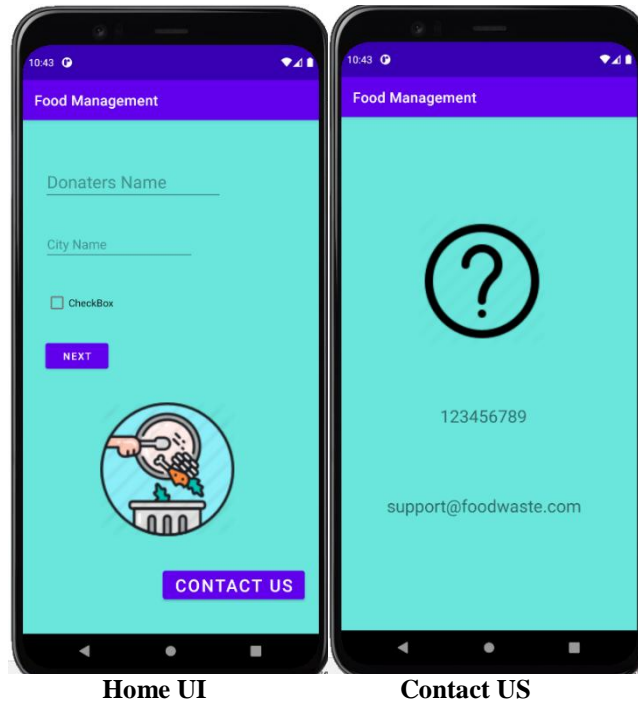
Implementation

Login Page



SignUp Page





IV. CONCLUSION

The planned application shall scale back food wastage of poor organizations. As mentioned on top of within the description there's a great deal of food wastage that happens daily at restaurants and cafes. rather than abandonment an equivalent as waste, it are often wont to feed the homeless. Also, since the pickup is organized for by the enterprise, the restaurants/cafes needn't worry regarding it. Benefiters are going to be each the restaurants/cafés (reducing the carbon footprint and wastage), and therefore the poor, In future work, there was no customary food data system on food packages that provides the user the knowledge of each the name of the food, also as its end date. The viable improvement would be get the food name from the merchandise Universal Product Code and skim the end date victimization OCR tools. However, the amount of easy victimization possibility|this feature|this selection} is merely slightly larger than victimization the manual option of filling the food data. Some corporations have started trials with victimization QR code on their food packages to supply careful data. all the same, there's still heap of hurdles to pass for it to become a regular. except for the in the meantime, this application presents a viable and effective answer.

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