



# Nullable

Kill Hunger

Zero Hunger

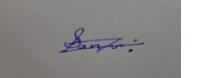
SEJ008

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## Declaration

We declare that this is our own work, and this report does not incorporate without acknowledgment any material previously submitted for a degree or diploma in any other university or institute of higher learning, and to the best of my knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgment is made in the text. Also, we hereby grant to Sri Lanka Institute of Information Technology the non-exclusive right to reproduce and distribute our report in whole or part in print, electronic, or another medium. We retain the right to use this content in whole or part in future works (such as articles or books).

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## Abstract

What can be seen as an unrealistic and underrated esteem, is a global average cost: this means that in some regions of the world, as well as in some other particular circumstances, the actual cost is even lower. Food assistance in developing countries, in fact, is significantly less expensive than in high-income countries. Such a small amount of money can be donated with an easy gesture like the one of a touch. That is how Sebastian Stricker and Bernhard Cowitch came up with the idea for an app able to help build a world with zero hunger: ShareTheMeal.

ShareTheMeal raises funds for meals provided by the World Food Programme and, by tracking them, users can see where their meals go. With a tap on the smartphone, everyone can give US \$ 0.50 (or more) to feed one hungry child for a day. Meals provided vary according to the situations: in emergencies, for instance, children often get highly nutritious foods, such as enriched biscuits or other foods that do not require cooking. On the other hand, school meals may include porridge for breakfast and maize with beans or peas for lunch. Every child has her or his own portion. For many of the children, these are the only or most nutritious meals they will have all day.

A daily gesture of ours can be more relevant than we all think by sharing the average cost of half a coffee, a kid can fill his or her belly along the whole day. The immediate usability of the app makes it even easier: what is missing now, is only your tap on smartphone.

# 1 Objectives

## 1- No Food Wastage

By providing a platform to different restaurants and NGOs, this app helps in reducing the food wastage by providing it to deserving people.

## 2- Become a Savior

The death rate caused by hunger is increasing rapidly, you can lend a helping hand by becoming a part of this platform.

## 3- Save the future

Our future is shaped by young generations, sadly many of our young generations die b/c of hunger. We can stop it by using this platform.

# 2 Features

## 1- Ease in registration

Our one click registration function provides convenience to users in registration process, making the registration easier and faster than ever before.

## 2- Easy to use

Our app provides a user-friendly environment. Even a normal person with minimal or no prior knowledge of this app can learn to use it easily.

## 3- Request for food

NGOs, old age homes and orphanages can post request for food as per their need or requirements.

## 4- View food requests

Restaurant can view food requests posted by different NGOs, old age homes or orphanages etc.

## 5- Approve food request

The restaurant can approve requests as per their capability.

## 6- Request approval notification

The NGO, old age home or orphanage shall receive a notification if their request is approved by a restaurant.

## 7- Post food donations

Restaurants can donate food by posting it in donations.

## 8- View food donations

NGOs, old age homes and orphanages can view food donations.

## 9- Donation approval notification

The restaurant shall receive a notification if their donation is accepted by an NGO, old age home or orphanage etc.

## 10- Accept food donation

NGO, old age home or orphanage can accept food donation as per their needs and requirements.

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## 2 Background

### 2.1 SDGselection

There are currently 795 million undernourished people in the world, which means that one out of every nine people does not get enough food and energy to get by. Furthermore, one out of every six children (approximately 100 million) in developing countries is underweight. However, how much does a daily meal cost per child?

The United Nations World Food Programme's response is 50 cents. What appears to be an unrealistic and undervalued esteem is actually a global average cost: this means that the actual cost is even lower in some regions of the world, as well as in some other specific circumstances. In fact, food aid in developing countries is significantly less expensive than in high-income countries. A small amount of money can be donated with a simple gesture like a touch. That is how Sebastian Stricker and Bernhard Kowatsch came up with the idea for ShareTheMeal, an app that can help build a world without hunger.

ShareTheMeal raises funds for World Food Programme meals, and by tracking them, users can see where their meals go. Everyone can contribute US \$ 0.50 (or more) to feed one hungry child for a day by using their smartphone. Meals provided vary depending on the situation; for example, in an emergency, children may receive highly nutritious foods such as enriched biscuits or other foods that do not require cooking. School meals, on the other hand, may include porridge for breakfast and maize with beans or peas for lunch. Each child has his or her own portion. For many of the children, this is their only or most nutritious meal of the day.

Our daily gestures may be more important than we realize: by sharing the average cost of half a coffee, a child can fill his or her stomach for the entire day. The app's immediate usability makes it even simpler: all that is required now is a tap on your smartphone.

### 2.2 Design Purpose

We have designed the GUI considering the user feedbacks. We want to give a user-friendly, attractive and usability application. That is the goal which we want to achieve from our GUI. So we followed user feedbacks and designed an application with user-friendly, attractive and usability GUI.

### 2.3 Team Members

Member 1- M.G.W Bhagya

Member 2 - P.L.P.G.D.S. Wijesooriya

Member 3 - Rajapaksha R.C.P

Member 4 - S.C.S.Arachchi

## 2.4 ContributionTable

<b>Student No</b>	<b>Student Name</b>	<b>Individual Contribution</b>
IT20666538	Bhagya M.G. W	Abstract Created list of figures Created list of tables Background Contributed to complete all milestones Analysing competitor 1 Contributed to finalize the report
IT20660352	P.L.P.G.D.S.Wijesooriya	Introduction Background Design process Contributed to complete all milestones Analysing competitor 1  Contributed to finalize the report
IT20137250	Rajapaksha R.C.P	Requirement specification Design principles Project management Contributed to complete all milestones Analysing competitor 2  Contributed to finalize the report
IT20230692	S.C.S.Arachchi	Conclusion References Appendix Contributed to complete all milestones Analysing competitor 2  Contributed to finalize the report

Table 1 - Contribution Table

## 3 Design Process

Problem-solving techniques such as design thinking are used. When used to unknown, difficult problems, it is helpful. since it helps us to understand what others need.

The ideal setting for truly comprehending the customer's voice can be created with the aid of design thinking.

### 3.1 UserInvolvement

Users are the most important thing when we are designing an application. So, we should involve them to our design process. We planned to involve them since our early stages in our project.

First, we got their ideas about the application which we are going to develop by conducting interviews and distributing a google form. Then we got the user feedbacks for the wireframes which we have drawn. After that we redrew those wireframes and re designed the prototype considering the user feedbacks.

We wanted to confirm whether our finalized wireframes are satisfied by users. So again, we conducted an interview and got user feedbacks for our finalized user interfaces. After implement the overall product we plan to publish our application on social media and get user feedbacks.

This is the way that we involved and will involve the user in the user-centred design process.

## 4 Milestone 1: Identify user groups

### 4.1 Persona(s) – 04 personas from a group



Figure 1- Animal activats persona



Figure 2- Children's home owners persona

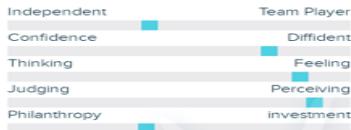
## Food Donor



*"It's not the amount that matters but the meaning behind your donation."*

Name : Harsha Priyadarshana  
Age: 52  
Gender :male  
Work: HP Group  
Family: Married  
Location: Colombo 2  
Character: Company Owner

### Personality



### Bio

Mr. Harsha is a renowned figure in the hotel and restaurant industry. He is the owner of several hotels and restaurants and he is also a popular donor. One of his actions that helps the people of his area in many ways is food donation. He willingly and enthusiastically donates extra food in his restaurants and hotels to people who need food. He gives an update to the food recipients about the food donated every day. Because of this, many poor families who are hungry can get delicious, clean and nutritious meals. Many people praise him for this action and delicious food of his hotels and restaurants.

### Goals

- Keep a friendly connection with food receivers.
- Widespread food donation in future.
- Manage food waste his Hotels and restaurants.
- Being an example to other contemporaries in the field and encouraging them to do the same.
- To make their business names known among the people and there by improve the income
- Improving religious life as a Buddhist Increasing mental happiness

### Frustrations

- Food receivers take more food than they need
- Competition and conflicts between food receivers to get food
- Lack of excess food on some days.
- Too much work to handle
- Damage to food due to difficulties in food Delivery

### Motivation



### Brands & Influencers



### Technology



### SOCIAL MEDIA



Figure 4 - Food Donor Persona

## Article Author



*"Writing isn't about using big words to impress. It's about using simple words in an impressive way."*

Name :M.G.W Bhagya  
Age: 24  
Work: Article Author  
Family: Single  
Location: Colombo  
Character: Author Surrogate

### Personality



### Bio

M.G.W Bhagya is an article author that Professionally ,he has a lot of experience as an article writer. She has already worked as an article writer in many reputed organizations and websites. She can write article under Zero-Hunger topic. Also the website and mobile application can be posted to write an article about ongoing and existing donations and inform other people about zero hunger solutions.

### Goals

- To achieve attention as much as possible from other people.
- To portray a Zero-Hunger topic or interest into the limelight.
- To portray the Zero hunger topic professionally.
- To make it interesting so that readers are engaged to read more.
- To offer advice and suggestions.

### Motivation



### Brands & Influencers



### Technology



Figure 3Article Author Persona

## 4.2 Empathy map(s) – 04 Empathy maps from a group

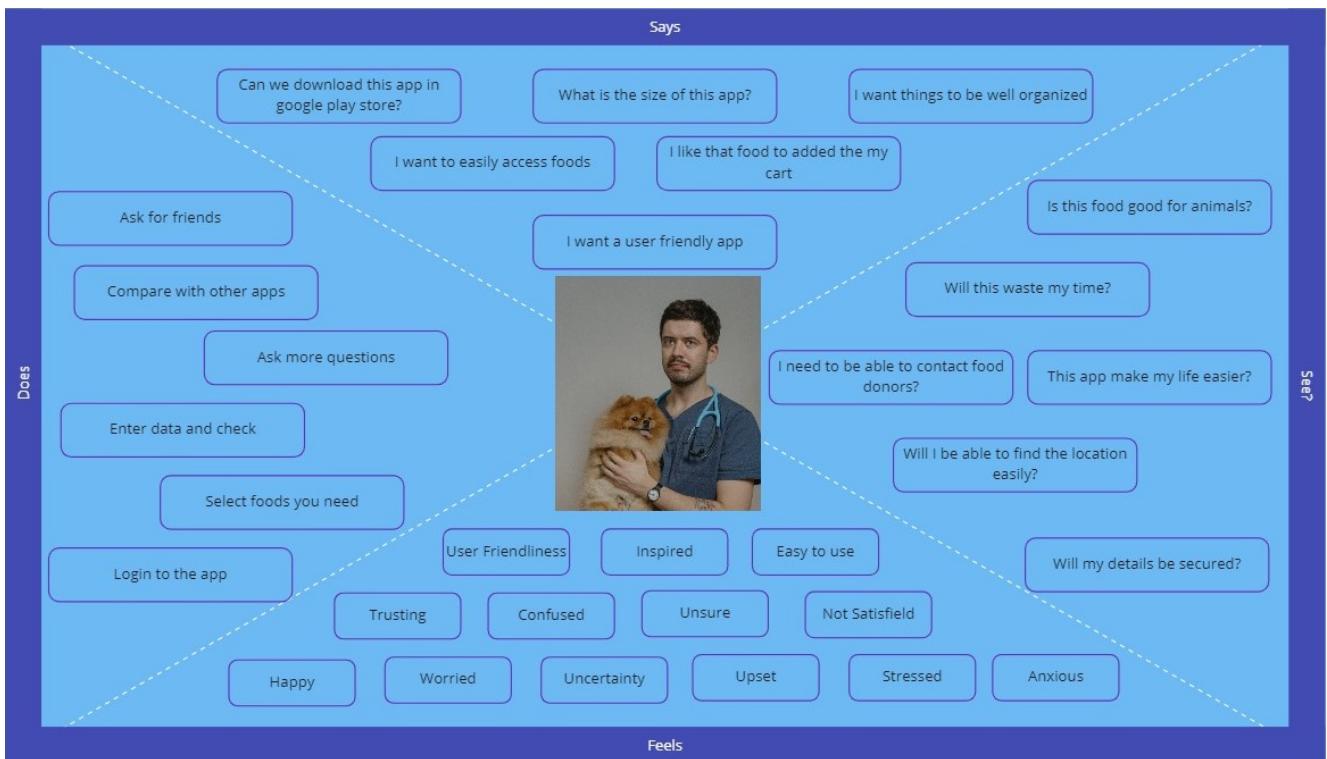
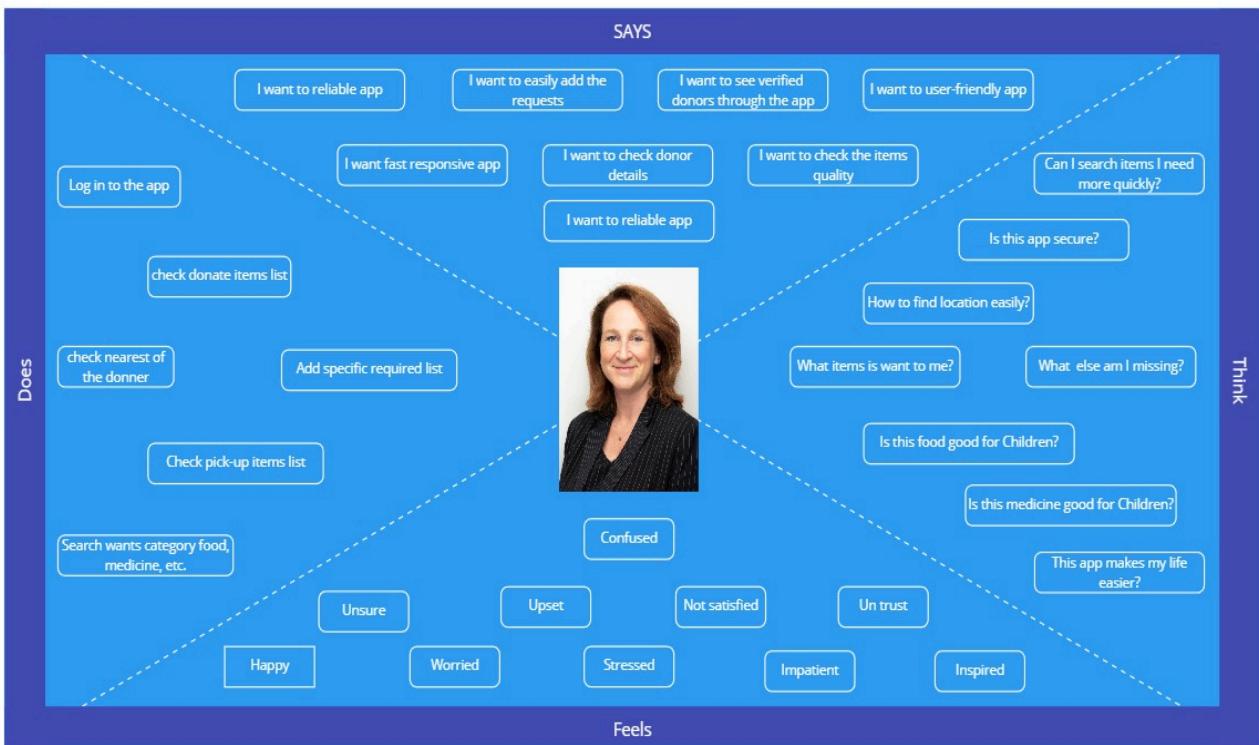


Figure 5 - Empathy Map 1



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Figure 6 -Empathy Map 2

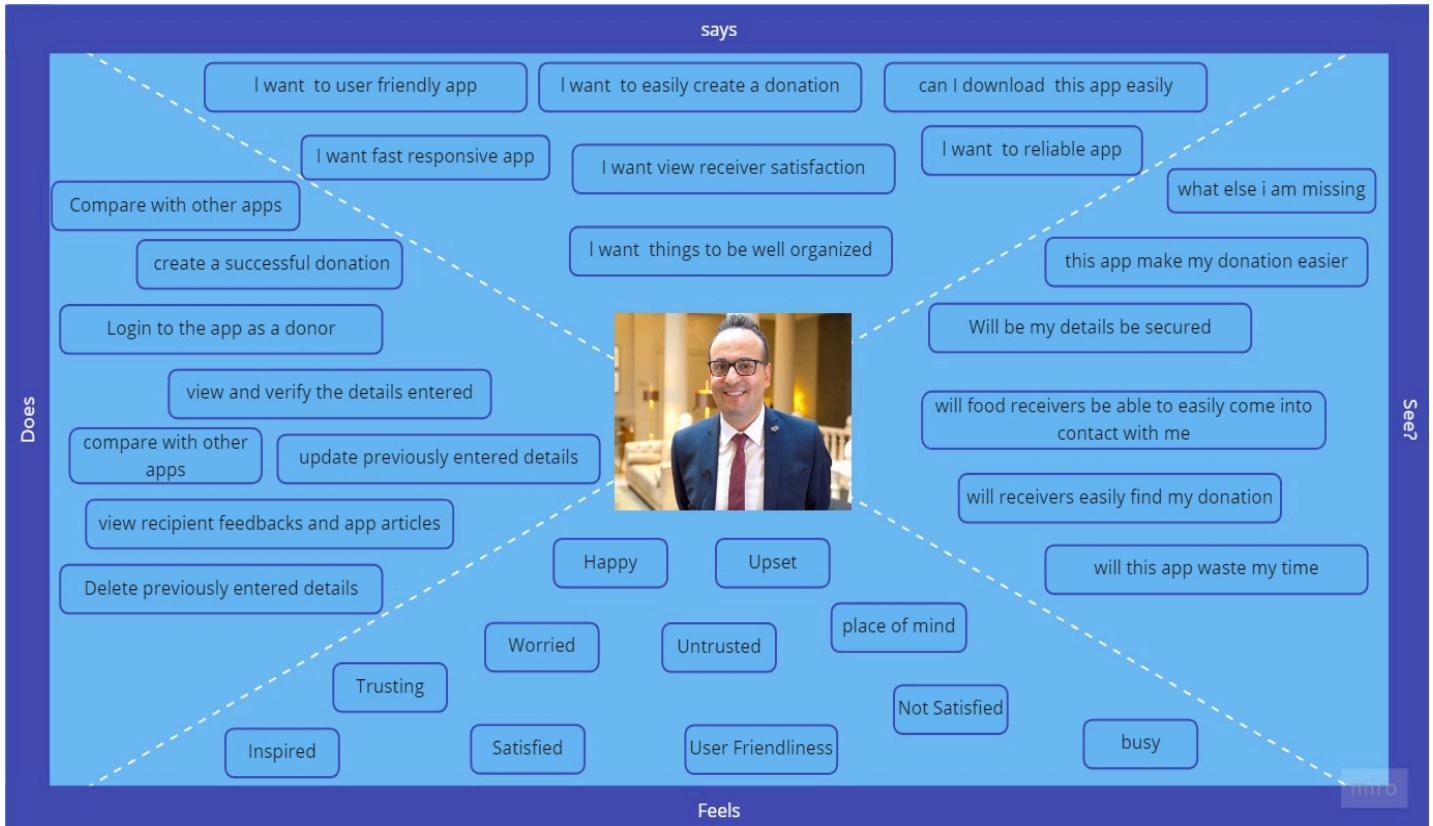


Figure 7 - Empathy map 3



Figure 8 - Empathy map 4

### 4.3 User stories – 04 User stories from a group

#### 1. Animal rights activist

As an animal rights activist, I want to fulfil the nutritious animal-friendly food to every helpless animal to end their hunger and keep them healthy.

#### 2. Article author

As an article author,

I want to write about donations, donors and help seekers in zero hunger project,

So That I can increase the knowledge about our system for article readers.

#### 3. Warden of the children's home

As a Warden of the children's home.

I want to fulfill the basic needs of children.

so that I can provide healthy and educated persons to the world.

#### 4. Food donor

As a food donor,

I want to donate daily surplus food in my hotels and restaurants to people who need food in a clean and regular manner.

## 4.4 User flow(s) - 04 User flows from a group

- Animal Right Activist

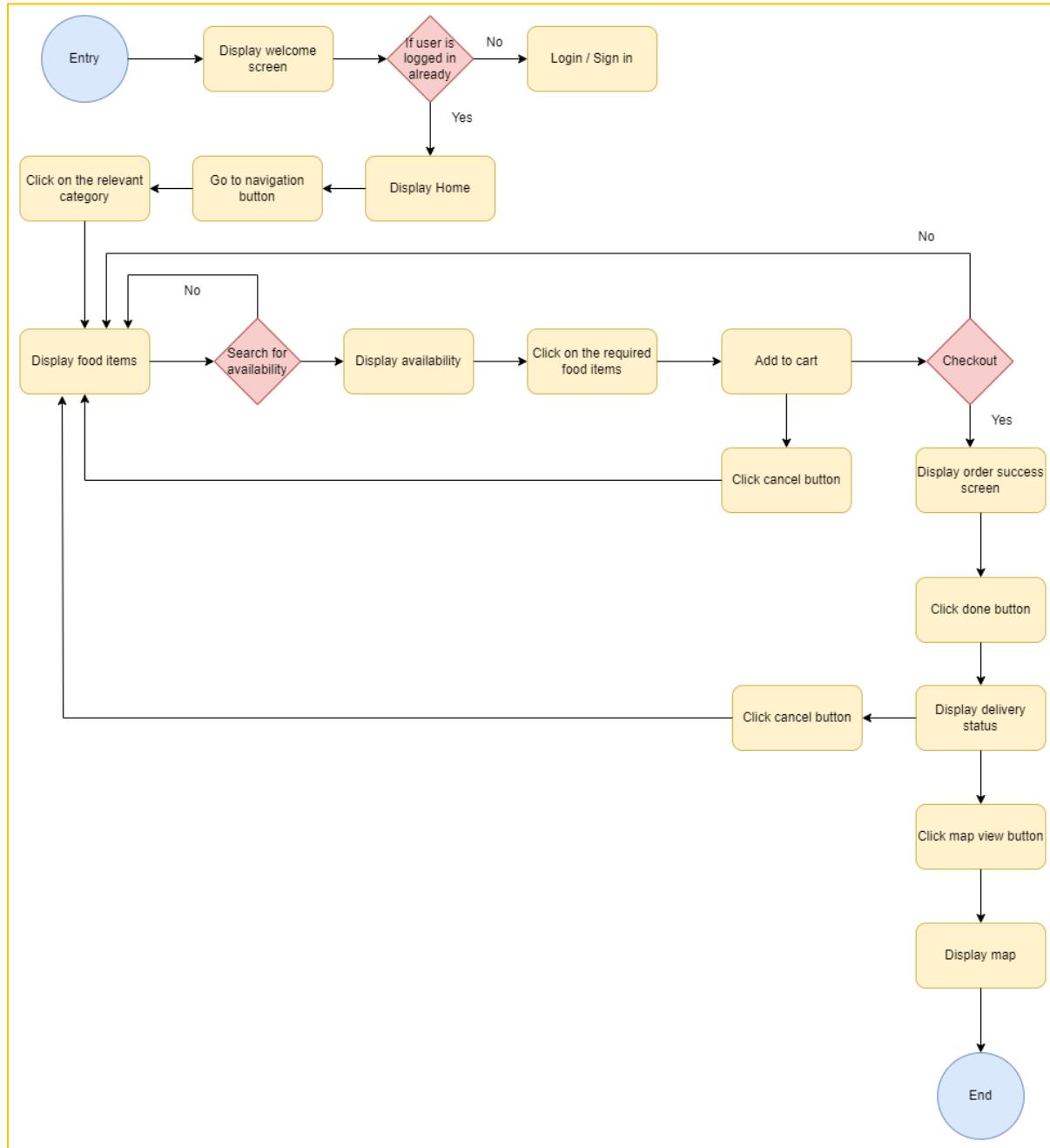


Figure 9 - User flow diagram 1

- Article author

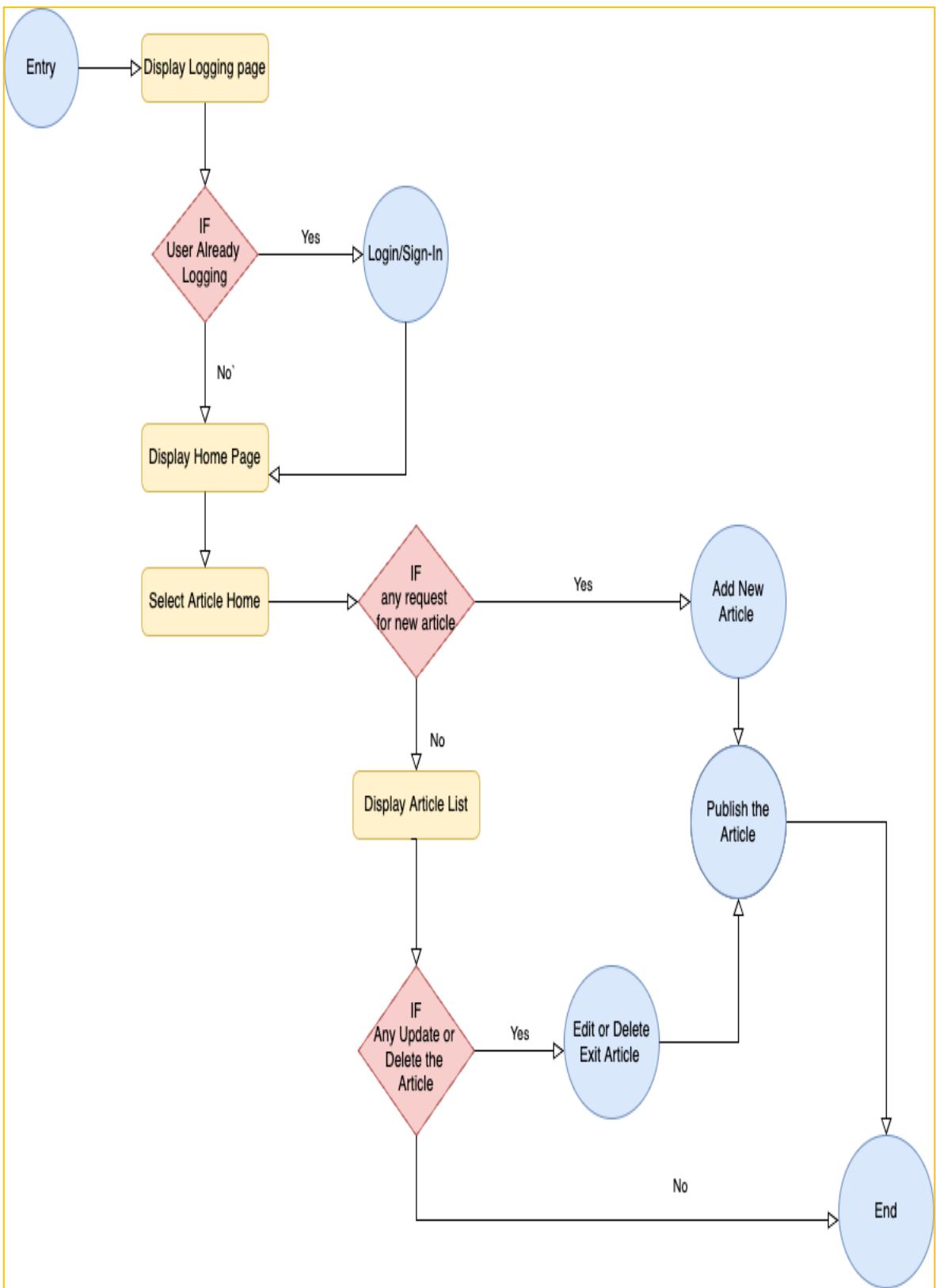


Figure 10 - User Fkow Diagram 2

- Warden of the children's home

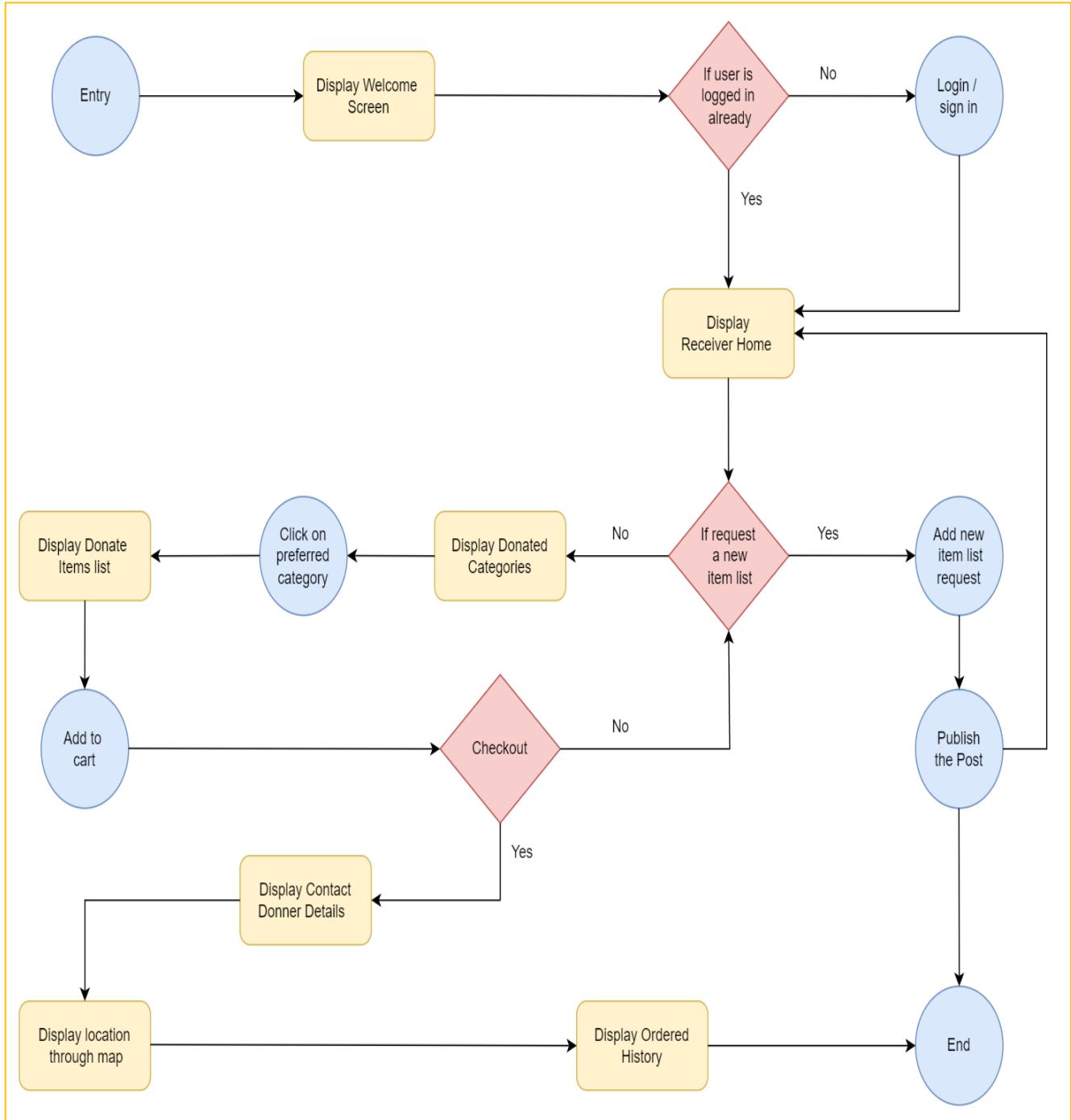


Figure 11 -User Flow Diagram 3

- Food donor

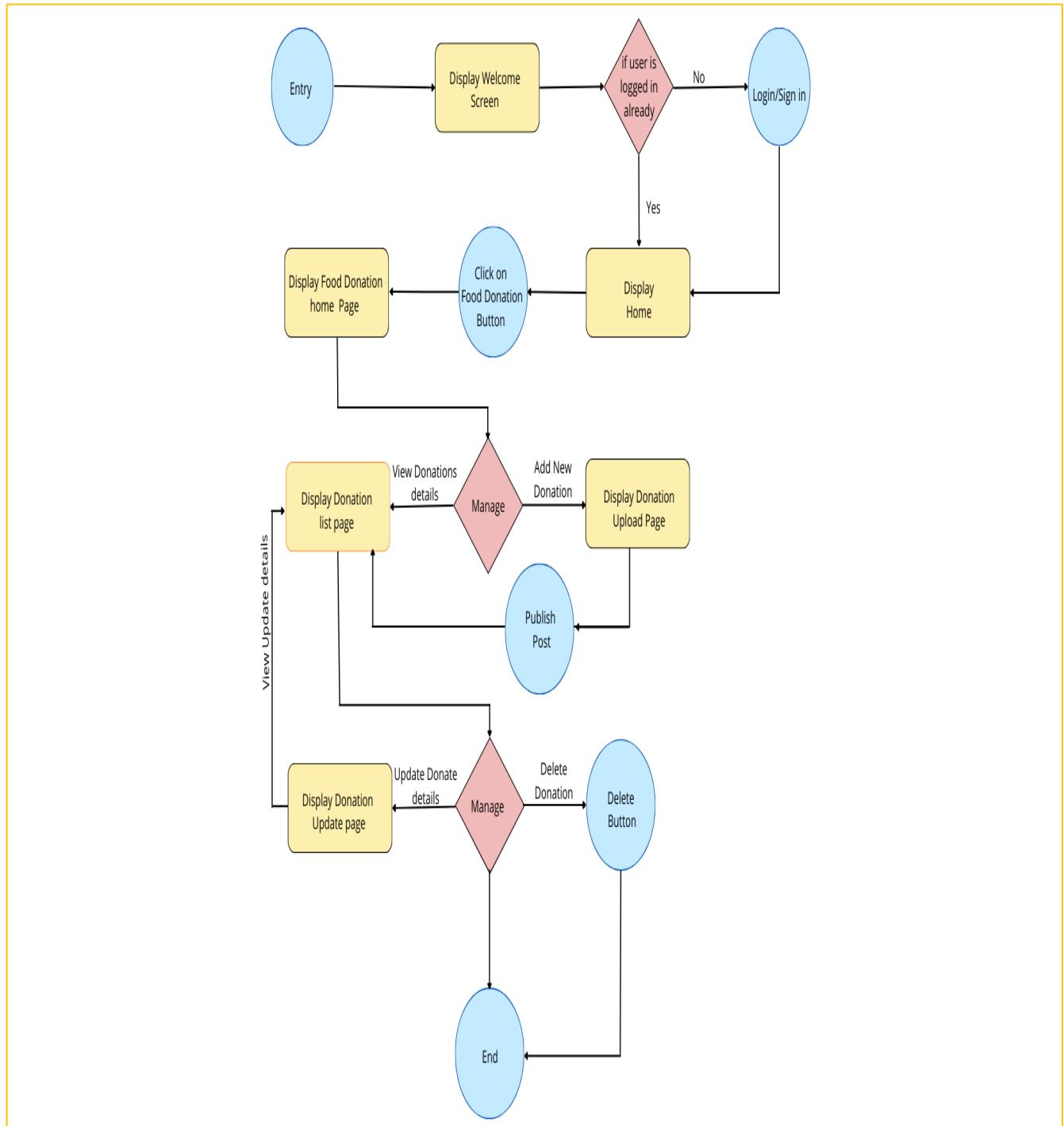


Figure 12 user flow iagram 4

## 4.5 Service Blueprint(s) – 01 Service Blueprint from a group

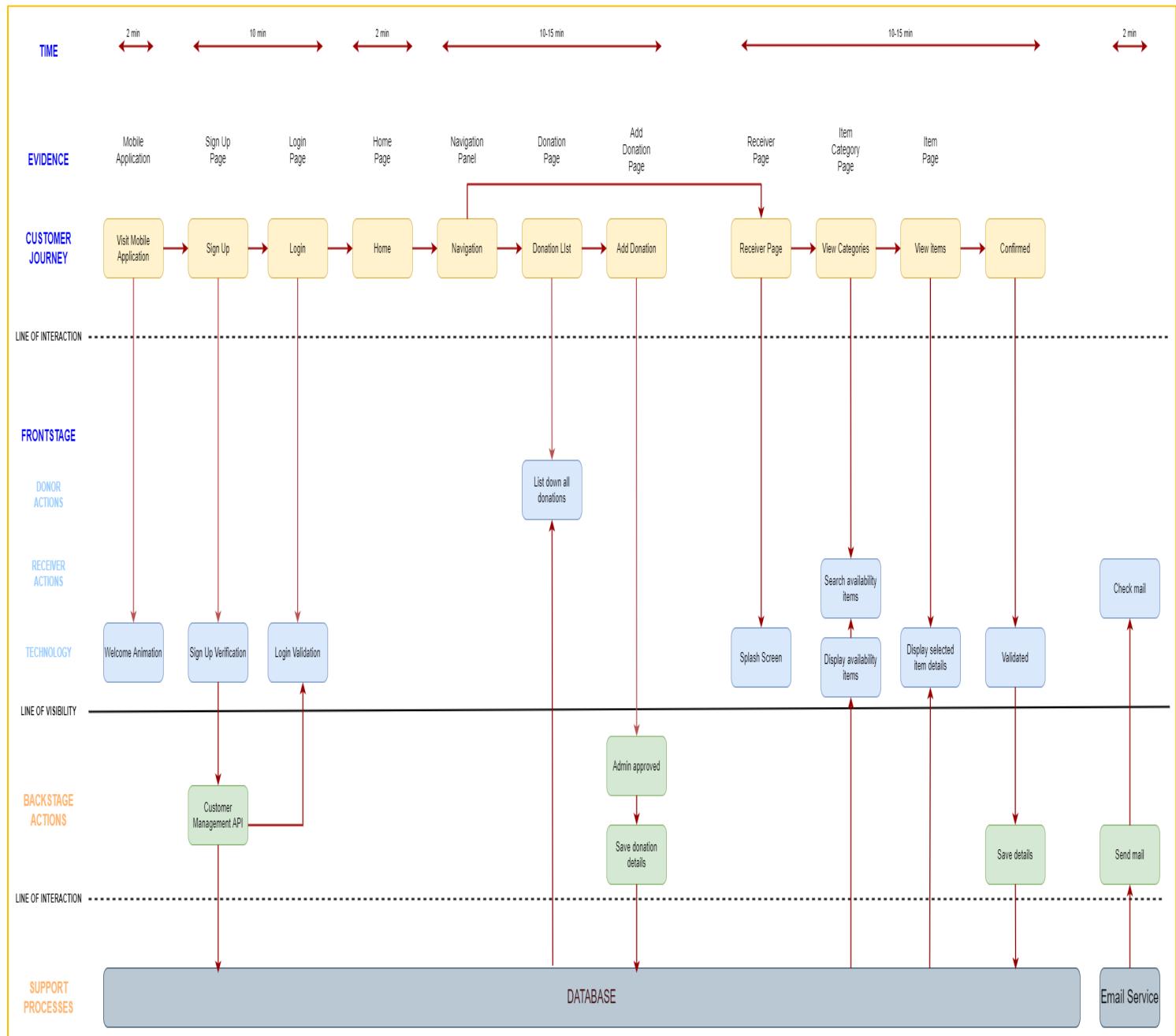


Figure 13 - Blue Print

## 5 Milestone 2: Plan and conduct user research

### Introduction

Kill hunger is an app that it can use for sustainable development goal under Zero hunger Topic. Due to the events like COVID-19 outbreak, the war between Ukraine and Russia that happened not only for Sri Lanka but all over the world in the recent past, the whole world is facing different types of crises in these days. Among them, People feel the food crisis the most. So, we choose to find the solutions for this matter. We all want our families to have enough food to eat that is safe and nutritious. A world with zero hunger can positively impact our economies, health, education, equality and social development. It's a key piece of building a better future for everyone. Additionally, with hunger limiting human development, we will not be able to achieve the other sustainable development goals such as education, health and gender equality.

Under the Zero Hunger We mainly focus on 4 categories belongs to this solution that we can gave.

- Animal Right Activist
- Children's homeowners
- Food Donors
- Article Writers

Why we solve this problem?

Extreme hunger and malnutrition remain a barrier to sustainable development and creates a trap from which people cannot easily escape. Hunger and malnutrition mean less productive individuals, who are more prone to disease and thus often unable to earn more and improve their livelihoods. There are nearly 800 million people who suffer from hunger worldwide, the vast majority in developing countries. And homeless animals are always around us. They either not have home and enough food to survive. In this application we pay the attention them as well. We use for that as method of decrease the waste of food in the hotel and restaurants, they can donate their food for starved animals feeding as well as animal activist can receive that food and donate for animals.

The above-mentioned areas will be mainly focused while the implementing the application.

- Persona-IT20137250  
As an animal right activist

He or she wants care of needy animals and provides them with nutritious food. Lack of time and not always being able to provide food are the main problems they face. Donors post surplus food through this link and he or she can get the required food through this link.

- Persona-IT20230692

As a warden of the children's home,

she wants to full fill the children's needs. if the warden faced some problems, such as not having enough food for children, some medications not available, or sometimes may be more expensive medicine situation she can get a solution through this mobile app.

- Persona-IT20660352

As an owner of the hotels and restaurant,

In the hotels and restaurants, he owns, a large amount of food is left at the end of the event every day. He works to contribute to meeting the food needs of people who need food without letting this food go to waste. This app makes it easy to make this process more successful.

- Persona-IT20666538

As an Article/Vlog author

She will write an articles/vlog about ongoing and exciting donations, donor's details after successfully done the donations. Main purpose of article author is giving an idea/knowledge about for readers and it will help to increase the donor's and help seekers. So, using this feature we can promote application among the peoples.

# Goals

These are the goals that we must achieve by implementing this application. According to our functionalities.

## Animal Activist

The purpose of the user research is to find out the needs of the animal rights activist for this application. Using this user research, issues such as providing good food to the animals, managing, and utilizing surplus food items thrown away during festivals, finding out the cost of caring for and maintaining helpless animals, managing time, and finding ways to get the relevant food. In doing so, using this user research, I want to clarify those requirements. Also, want to know if have had this kind of experience before and get some suggestions about it.

## Warden of children's home

The goal of the warden research is that ensure the requirements of as a receiver for this application. we took the supplying good foods, improve the health of children, education, finding special children and moving them for special treatments, manage staff and work with friends. those are the main goals and I need to clarify those requirements. Also, I needed to know if any previous experience has other than this, I want to get some suggestion from warden.

## Hotel owners

The goal of the Hotel Owner research is that ensure the requirements of as a food donor for this application. Reducing food waste in hotels. Hotel management. Distribution of leftover food to needy people. Helping poor and needy families. Those are the main goals and I need to clarify those requirements. Also, I needed to know if any previous experience has other than this, I want to get some suggestion from hotel owner.

## Article Author

The goal of article author in our system is to inform the other people what are we doing here and how can they join with us to do the donations or help to others or as hotel owners or as an animal activist what can you do in our system. As well as this must be help for us to increase the donors. I can write the article using different languages for easy to understand for readers.

# Research Questions

T20137250 – RCP Rajaparksha

- What is the animal rights activist's expectation regarding the daily feeding process for the animals?
- Does an animal rights activist have previous experience using the app?
- Are all elements required or not?
- How can an animal rights activist use Google Maps to meet their needs?
- How easily can an animal rights activist receive donations?
- Can they handle every feature in one application?
- How do they currently manage work as an animal rights activist?
- How do they currently manage their time as an animal rights activist? How do they provide healthy food for animals?

IT20230692 – Arachchi S.C.S

- How is the warden expectation about the reduce their special requirements?
- Did warden have previous experience about the using app?
- Do all the features are required or not?
- How to use the google map for warden fulfill their requirements?
- How warden receiving donations easily?
- Can they handle every feature in single application?
- Currently how do they manage the work as a warden?

IT20660352-P.L.P.G.D.S. Wijesooriya

- What are the reasons and expectations for food donation?
- What are the reasons and expectations for food donation?
- Is this a successful solution for hotel food management?
- Even a busy person can easily make a food donation in minimum time through the app.
- How much food can be donated per day?
- How is the quality and standard of donated food?
- Are there any improvements that need to happen in the app from the food donor's side?
- Is this a successful solution for hotel food management?
- Even a busy person can easily make a food donation in minimum time through the app.
- Are there any improvements that need to happen in the app from the food donor's side?

IT20666538-M.G.W Bhagya

- How to find the details about the donors?
- How to find the experienced article author in this field?
- How we find the easy way pass the details to write?
- Do we categorize the articles into animal hunger and children's hunger?
- How we attract the readers for read the articles?
- Is this achieve our goals?
- What are the reasons and expectations for article writing?

# Test Objectives

The following objectives were focused.

- Identify the exact user's requirements that need to be fulfilled through the app.
- Identify whether the selected functionalities require further improvements.
- Check whether the user requirements are fulfilled by the applications.
- Apply language guidance for user's better understand and make it easier to handle the application.
- Identify the shortcomings of functions by interviewing those related personas.
- Identify the more things to add the related functions by interviewing those related personas.
- Establish a user performance baseline and satisfactory levels after using the application.
- Compare with these related other applications to get more efficient application
- Create user-friendly interfaces to make easier to handle this app to users.
- Create navigations easier to understand how this application navigate with each user interfaces.

# Methodology

After picking two individuals from the list of personas, user research was undertaken to discover pain areas and test the aforementioned hypothesis. The user experience research methods selected were user interviews and consumer feedback collected via a distributed Google form(Questionaries). These methods were inexpensive, straightforward, and efficient, in contrast to costly methods such as usability lab studies and ethnographic field research, which were either far more costly or time-consuming.

## Interview

- All the members were selected four persons who best match for their personas and each and every team members were interviewed their related persons by went their place (Working or Home).
- One interviewer was interviewed by our one team member.
- The majority of the questions answered throughout the interview were closed-ended so as to focus on the matter at hand. However, open-ended questions allowing users to express their opinions were also included.
- We decided to visit their places and interview them because that was help us to prove the interview was truly done by the related persons.
- A script was written prior to ensure that all components of the test objectives were covered.
- While one member conducted the interview, the other took notes and ensured that all requirement gathering goals were covered.

## Procedure for the interview

- A brief explanation of the application that was about to be implemented was provided to the team member.
- Participants were asked a series of questions to determine if they met the demographic requirements of the persona.
- Then, we were informed on the tasks that needed to be performed. The facilitators also informed the participants that their performance will be timed and evaluated based on their ability to complete the application efficiently. Additionally, they were instructed not to depart from the work at hand and not to deviate from the specified path in order to accomplish the allocated application.
- Participants were urged to steer the team through their thought process while they performed the activities so that a viable concept could be reached.
- All ideas and the recording procedure were captured.
- After the completion of the entire procedure, the employees were asked to respond to a number of questions requiring a retrospective view.

## The persons who were interacting with interview process •

### Interviewee

- The person who was selected to fix for interview. He is the person who has good knowledge and experienced about specify function.

### • Interviewer

- One of our team member who was ready to interview his persona related person to get more

information about his function.

### • Team members

- While interviewer and interviewee were interviewed, team members check that all components of the test objectives were covered.

## Interviewing

Interview Link : <https://drive.google.com/drive/folders/1vTDwWshAbd0Y7m-wJ-9l6w-FHh0ztP5f?usp=sharing>:

Four interviews were done to determine the pain points from the user's perspective. In this section, the protocol and code of conduct for the interview will be addressed.

- In order to accomplish this, a script was drafted that detailed all of the system's features.
  - The primary purpose was to comprehend the challenges that a typical program user encounter.
  - We were trying get more information by using interviewing methods.
  - We were interviewed our interviewers by visits their places.
- 
- Interview 1 Script (IT20137250)

--Welcome the user,  
--Hii, Let's catch up with Imesha to know more about her career path and her life in general.  
--Questions to get an understanding of the user's demography,  
1. Mrs.Imesha a brief introduction about you.  
2. Imesha, it's difficult to know where to start with such a high-achieving successful career women, but I guess, my first question has to be-Looking back, are there any indications from your childhood that foreshadowed your becoming an animal right activist?  
3. You were very much an animal person and animal lover. Do you think that this had an impact on what you wanted to do and make happen in later life?  
4. What are the reasons for thinking so?  
--Ok, now let's get to the main purpose of this interview.  
--Questions to understand how the user thinks about receiving the donation process using an app and identifying the user's problem.  
5. I know you are a busy person and you are unmarried. So are you able to feed such a large group of animals or a regular basis? Is there time for that? If you inform us about it.  
6. What food do you usually feed your pets?  
7. If you buy food from the store, you have to spend extra money for it, right?  
8. Would it be useful for you if we make this app to receive more food that is collected at a wedding or any other event?  
9. Have you used an app like this before?  
10. Or has this kind of leftover food been obtained to give to the animals before?  
11. Did you have any deficiency in the food or was it in good enough condition to feed the animals?  
--Questions about how to catch after selecting your donations,  
12. What is your preferred method of receiving donations? for example, go to a donation spot or, getting to the desired location items.  
13. We want to add google Maps to this app. So, is it ok for you or do you have any suggestions? --Questions to understand how the user thinks about the success or failure of the application.  
14. Well, with the introduction of this app, can the process you expected through it be successful? 15. Well, tell me if you have any ideas or suggestions that you think can be added to this app.  
16. Are you satisfied with this app?  
17. Finally, Do you recommend the app for anyone?  
--Thanks to the user

## Interview 2 Script (IT20230692)

--Welcome the user,

--Questions to get an understanding of the user's demography,

- Madam, first of all, Tell us bit about yourself briefly...
  - so, it means you have a lot of experience in this field. According to that what are your goals as a warden?
  - Have you received donations before? if so, how did you do that?
  - Have you used an application to obtain aid for the children's home?
  - Can you describe your experience while using the application?
  - Did you faced any difficulties using that app?
  - --Questions to get an understanding about the lack of global sign in
    - Did you find the lack of global sign-in in the application annoying?
    - Do you think the current signup and sign-in method is safe and well-authenticated?
  - Do you have any suggestions for that rather than login in with a phone number? like
  - Facebook Authentication
  - Google Authentication
  - Username Password
  - Do you have any suggestions for improving the app trust? like donners and receivers are authentication.
  - --Questions about how to catch after selecting your donations
- We want to add google Maps to this app. So, is it ok for you or do you have any suggestions?

---Questions to understanding how the user thinks about receiving donations process using an app

- According to the Sri Lankan global nutrition reports, over 17.3% of children under 5 years of age are still malnutrition.

So, what do you think about the situation?

- So in that situation, we like to reduce malnutrition through this mobile app. it's like you can get the donations and request your needs from the donators.

So what do you think about this mobile solution?

- What kind of features do you expect from our app?
- What is your preferred method of receiving donations? for example,  
go to a donation spot, getting to the desired location items

- Finally, Do you have any suggestions for our app?

--Thanks to the user

Thank you for allocating some of your valuable time and share your valuable ideas with us.

## Interview 3 Script (IT20660352)

--A brief introduction about the app and its purpose for User. --Welcome the user,  
--Questions to get an understanding of the user's demography,

- Mr. Perera , first of all, Tell us bit about yourself briefly...

--Questions to get an understanding of the user's Food Donation,

- Mr. Perera , why did you turn to food donation?
- How long have you been doing food donation?
- How much food is wasted daily?
- What causes this food waste?
- Have you donated leftovers before?
- If food has been donated, what is the Method?
- What caused the previous method to fail?
- How did you find out about this app?

--Questions to get an understanding of the app's success is related to the user's tasks,

- The success of this app considering the previous process
- Have you studied the functionality of this app?
- Mr. Perera ,What are the facilities provided in this app to make your work easier
- Accordingly, are you satisfied with the functionality of this app?

--Questions to get an understanding of The goals that the user hopes to meet through this application,

- The main goal that this app aims to achieve
- Other goals that this app hopes to achieve
- Your message to the society through this process

--Questions to get an understanding of The feedback given by the user about the app,

- Are you satisfied with this app?
- Mr. Perera , What weaknesses do you see in this app?
- Is this app user friendly? What do you recommend from your side to make it easier
- Mr. Perera , What are the future improvements to this app?

## Interview 4 Script (IT20666538)

--Welcome the user,

----A brief introduction about the app and its purpose for User and introduce to him, who we are what is the purpose of us.

--Questions to get an understanding of the user's demography,

#Before we enter to our main topic, Mr. Gamage Can you tell a little bit about you.. Like who are you, where are from, what is your career...

#When we inquired about you, we got to know that you are a teacher as well as an article writer. Do you engage in article writing as a hobby? Or as a job?

#How long have you been writing articles?

#Can we tell you about your experience in writing an article?

--Questions to get an understanding of the Article Writing

#Do you like to write vlogs in newspapers and on a website?

#Do you have experience writing articles in an application or website before?

#What methods do you use to write articles?

#Do you think it would be good if we make an application for something like this and write articles from it and do an awareness program?

--Questions to get an understanding of the goals that the user hopes to meet through this application,

#The major objective of this application

#Other objectives this application wants to accomplish

#Your message to the community via this procedure

# Is this app user friendly? What do you recommend from your side to make it easier

--Questions to get an understanding of the feedback given by the user about the app,

#Do you think that what we used for informing people using this article method is good?

#Using this article writing, our purpose of this is give idea about what our application done and promote our application, will it success?

#Any suggestions do you have to give us to make this application better?

--Thanks to the user

Thank you for allocating some of your valuable time and share your valuable ideas with us.

# Questionnaire

- It was easier to examine the data after distributing a questionnaire that consisted primarily of questions with quantitative responses.
- The questionnaire was included 15 questions in one section.
- questions were included primarily to gain a sense of the demographics of the users.
- To see if there was a correlation between the demographics of the users and how they felt about the

application, general questions such as age group and gender were asked.

- The subsequent questionnaire included the four most important features of the program with an emphasis on the user experience.

Google Form Link:

[https://docs.google.com/forms/d/e/1FAIpQLSdWoG0hYQFiBy0TDKXpUFGiBXyINs4G5xv1aKTapmXicHmC3w/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdWoG0hYQFiBy0TDKXpUFGiBXyINs4G5xv1aKTapmXicHmC3w/viewform?usp=sf_link)

1. Thought process behind making the question.

- The questionnaire is one section with including all the functions requirements were questioned.

- Demographic questions

According to get an understanding about the user's demography questions such as

- Age group
- Province, you live in
- Occupation
- Monthly income
- Numbers of family members

By gathering qualitative category data, it is feasible to determine if there is a correlation between them and the degrees of satisfaction.

- Functionality target Questions

- All the questions were specifically designed to address the certain functionalities.
- Questions were separated to our four functionalities and that mainly focus to how to fulfill our requirements

analysis and gathering.

- Questions are focus on children's hunger, homeless animal's hunger, how can hoteliers to participate for this

process and write a vlog series for donations.

- Finally, we have been asking from people if we implement this type of application with using this feature, will it be successful.

## How the questionnaire should be distributed and data collection process

- The questionnaire is planned to be distributed online since it was created using google forms
- The main method is to distribute through WhatsApp groups
- Also, other social media platforms such as Facebook and Instagram are planned to be used
- One other method of data collection is online forums

## Questions & Responses

### 1. Age group (in Years)? වයස් කාණ්ඩය (වසර වලින්)?

64 responses

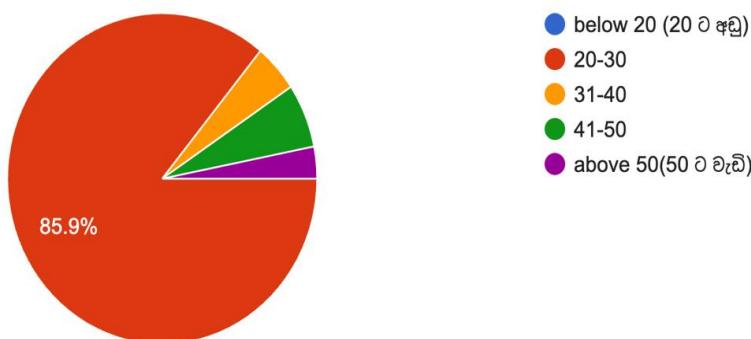


Figure 14 Survey 01 And Responses

### 2. The Province you live in ? (ඔබ තීවත් වන ජ්‍යාත්?)

64 responses

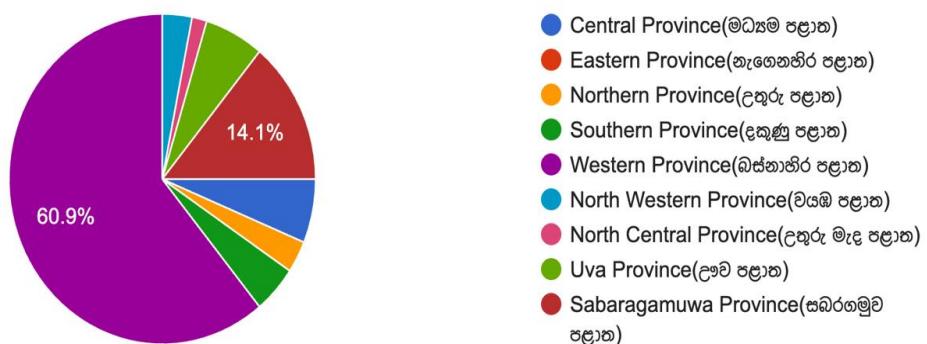


Figure 15 Survey question 2 And Responses

3. What is your occupation? ඔබේ රැකියාව කුමක්ද?

64 responses

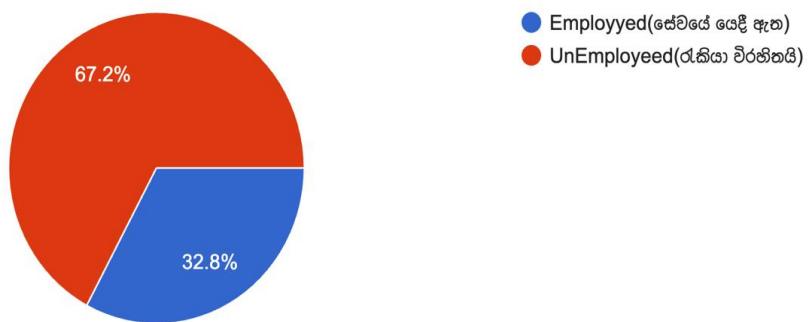


Figure 18 Survey Question 3 and response

4. What is your monthly income?(මුළු මාසික ආදායම කීයදු?)

64 responses

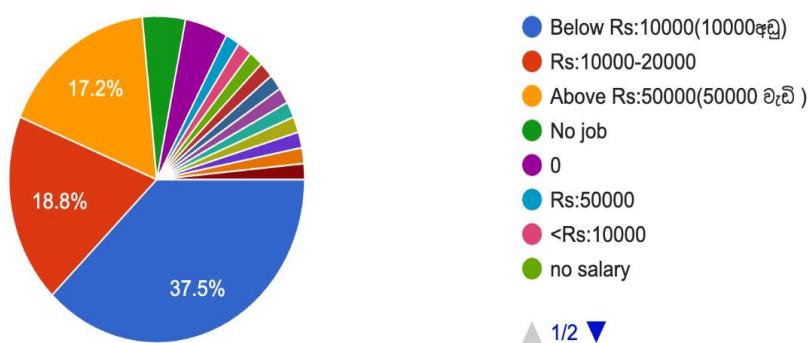


Figure 17 Survey Question 4 and response

5. Number of family members?(අවුලේ සාමාජිකයන් ගණනා?)

64 responses

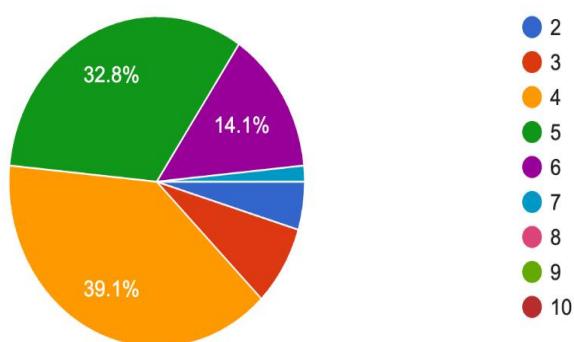
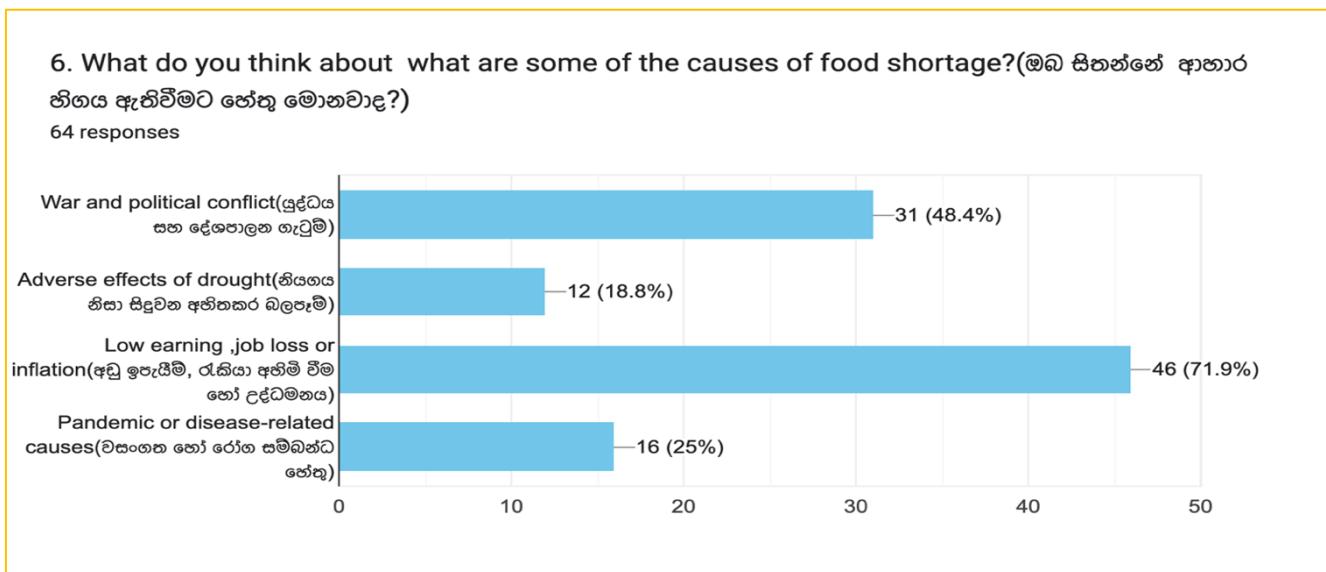
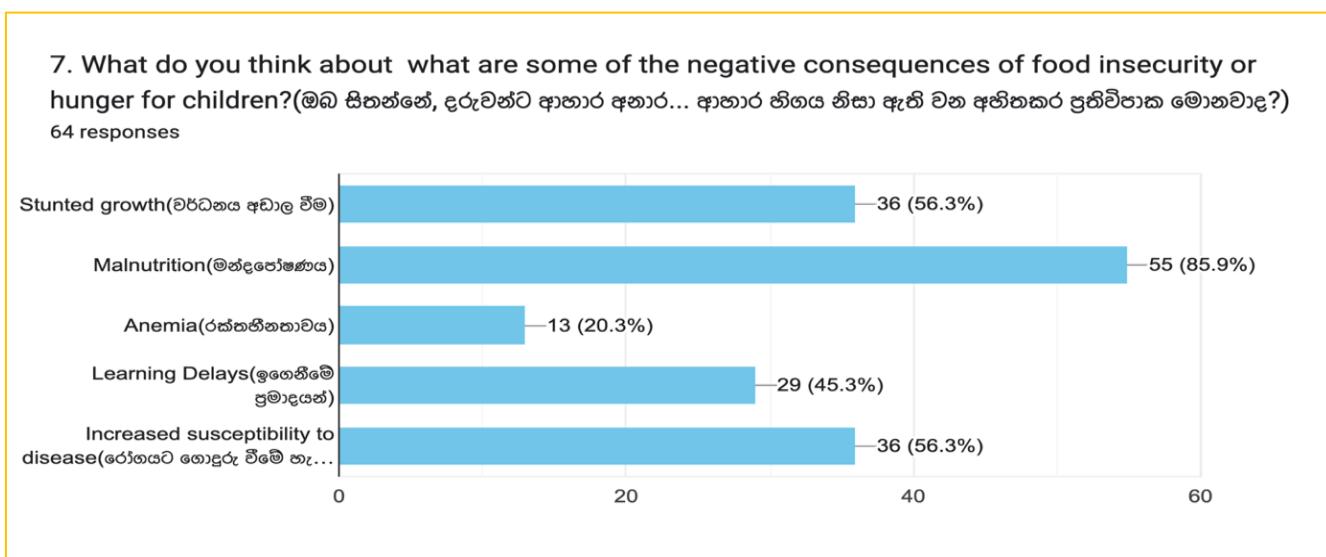


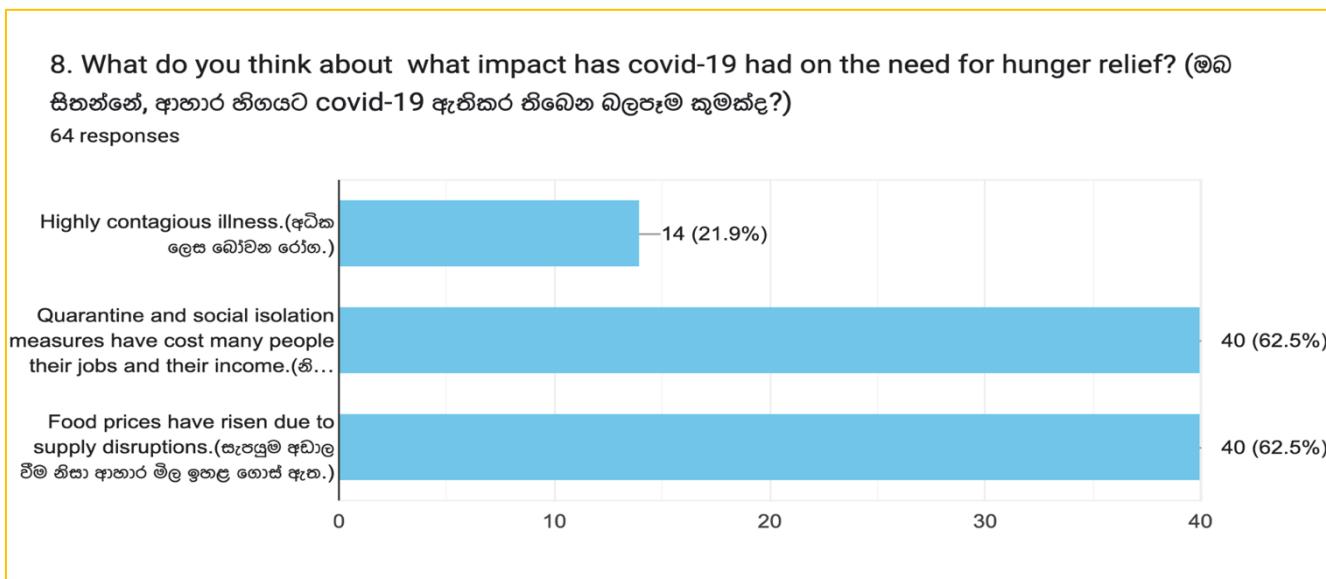
Figure 16 Survey Question 5 and response



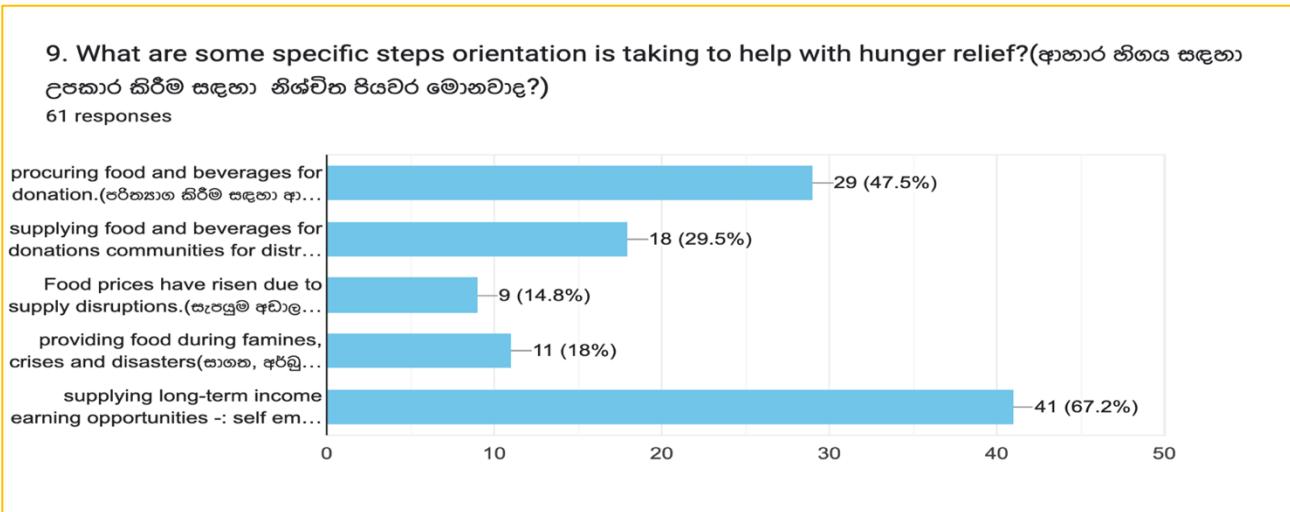
### **Figure 21 survey question 6 and response**



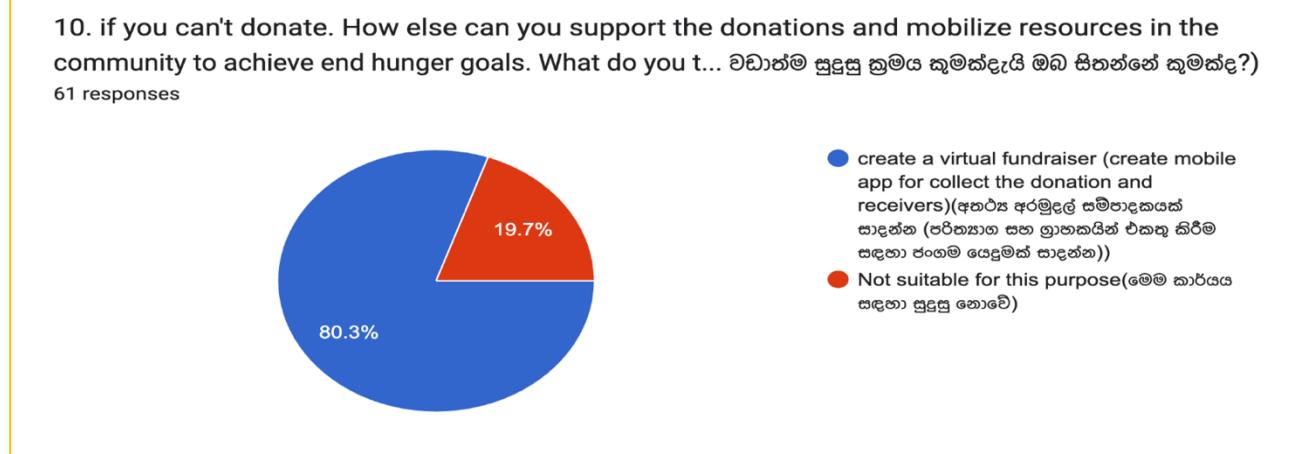
**Figure 19 Survey Question 7 and response**



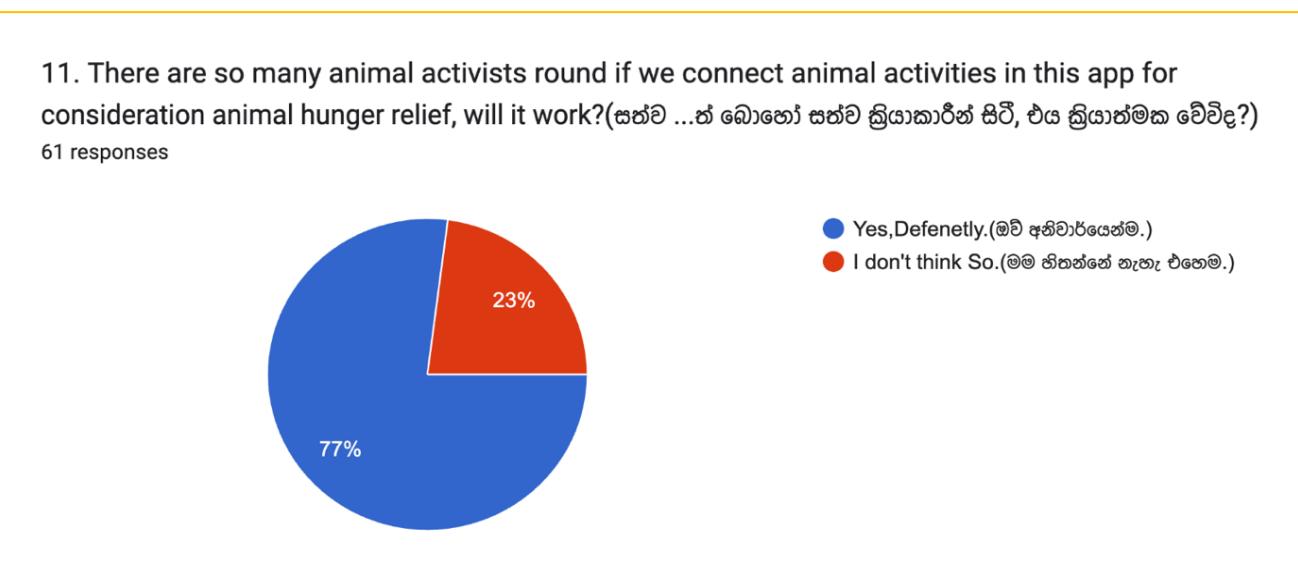
**Figure 20 Survey Question 8 and response**



### **Figure 22 Survey Question 9 and response**



**Figure 23 Survey Question 10 and response**



**Figure 24 Survey Question 11 and response**

12. What are the goals can achieve when we connect the animal activities for this app? (අපි මෙම

යොමු සඳහා සත්ව ක්‍රියාකාරකම් සම්බන්ධ කරන විට ප්‍රතා කර ගන හැකි ඉලක්ක මොනවාද?)

61 responses

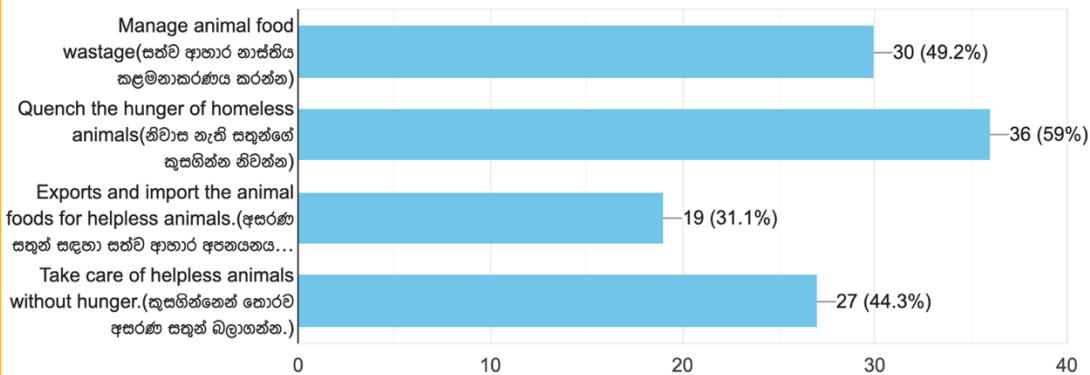


Figure 25 Survey Question 12 and response

13. For children's hunger relief, If we connect the warden of children's home; Do you think is this helpful for fulfil our purpose? (දරුවන්ගේ ආහාර හිගය...දේ අරමුණ ඉටුකර ගැනීමට උපකාරී වේ යැයි ඔබ සිනනවාද?)

61 responses

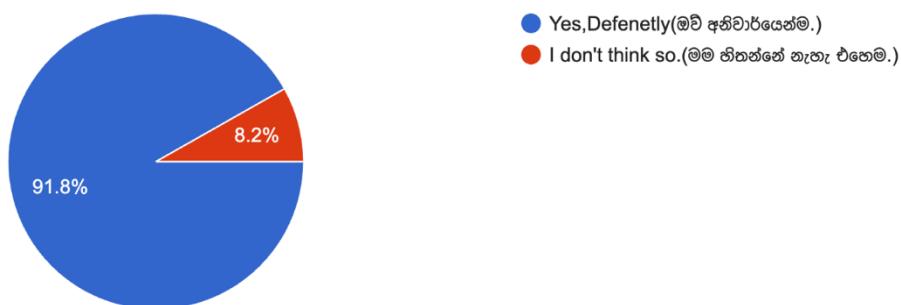


Figure 26 Survey Question 13 and response

14. For increase the donors and receivers also give idea about our donations for outsiders, If we write the vlogs about our ongoing donations; Do yo... අරමුණ ඉටුකර ගැනීමට උපකාරී වේ යැයි ඔබ සිනනවාද?)

61 responses

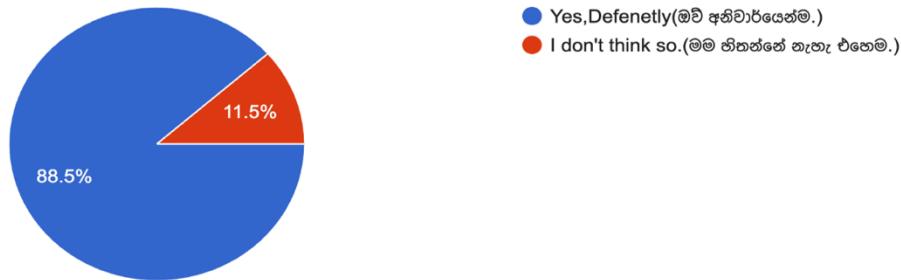


Figure 27 Survey Question 14 and response

# Participant Profiles

The table below provides a breakdown of the participants selected for testing:  
 Interviewee Name Demography Location, Date and Time Interviewer Name

Table 2 - Participants Profiles

Mr.Gamage	1. Employed 2. Age - 67 3. Gender – Male 4. Marital Status – Married 5. Location - Colombo 6. Profession –Retired Teacher/Article Author 7. He is an English teacher also he likes write articles and Books.	Location – Gamage's place Physically Date – 26/09/2022 Time – 13:00 PM.	M.G.W Bhagya
H.B.Imesha Ranathunga	1. Employed 2. Age - 25 3. Gender – Female 4. Marital Status – Single 5. Location - Colombo 6. Profession – Businessman/Animal Right Activist 7. Animal Lover	Location – Imesha's place Physically Date – 26/09/2022 Time – 13:00 PM.	Rajapaksha R.C.P
Mrs. Gunawardhana	1. Employed 2. Age – 40 – 50 3. Gender – Female 4. Marital Status – Married 5. Location - Meegoda 6. Profession – warden of the children home 7. she love working as a sociality	Location - Sanhinda Children Home, Meegoda, Physically, Date - 26 / 09 / 2022, Time - 14:00 PM.	Arachchi S.C.S
Mr.Reshan Perera	1. Employed(Owner) 2. Age – 25 3. Gender – Male 4. Marital Status – Married 5. Location - Mathara 6. Profession – Owner of Perera Hotels & Resort 7. hotels & Restaurant owner	Perera Beach Resort Office, weligama, Physically, 24/ 09 / 2022, 15:00 PM.	Wijesooriya P.L.P.G.D.S

# Protocols

- IT20137250

We went to physically meet the animal rights activist.

After that, we showed the user flow and gave a little introduction to our system. Checked technical knowledge related to our application.

Then got suggestions and feedback for app features.

- IT20230692

We went to meet the warden physically.

Then we show the user flow and gave a brief introduction to our system as a warden's flow. check warden technical knowledge related to our app

Then get any suggestions from the warden for the app features.

- IT20660352

We went to meet hotel owner the physically.

Then we show the user flow and gave a brief introduction to our system as our system. check hotel owner technical knowledge related to our app

Then get any suggestions from the warden for the app features.

- IT20666538

We went to meet the Article Author so visited his home place in kottawa.

Then we show the user flow and gave a brief introduction to our system as an article writers user flow. check author's technical knowledge related to our app

Then get any suggestions from the warden for the app features.

## 6 Milestone 3: Verify the key-user flow(s)

### Animal Right Activist's (IT20137250)

#### Fail-Points/Blockings

1. It does not include if logging failed part.

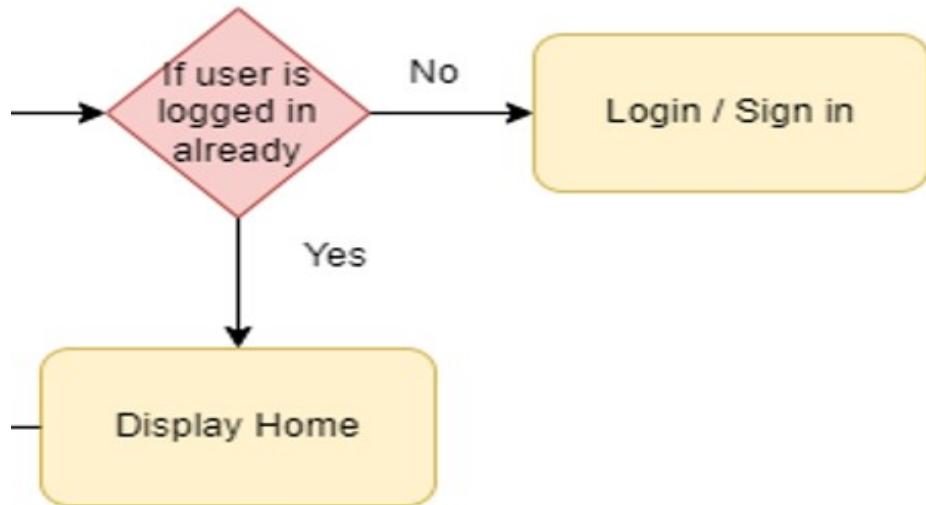


Figure 28 - IT20137250 Block point 1

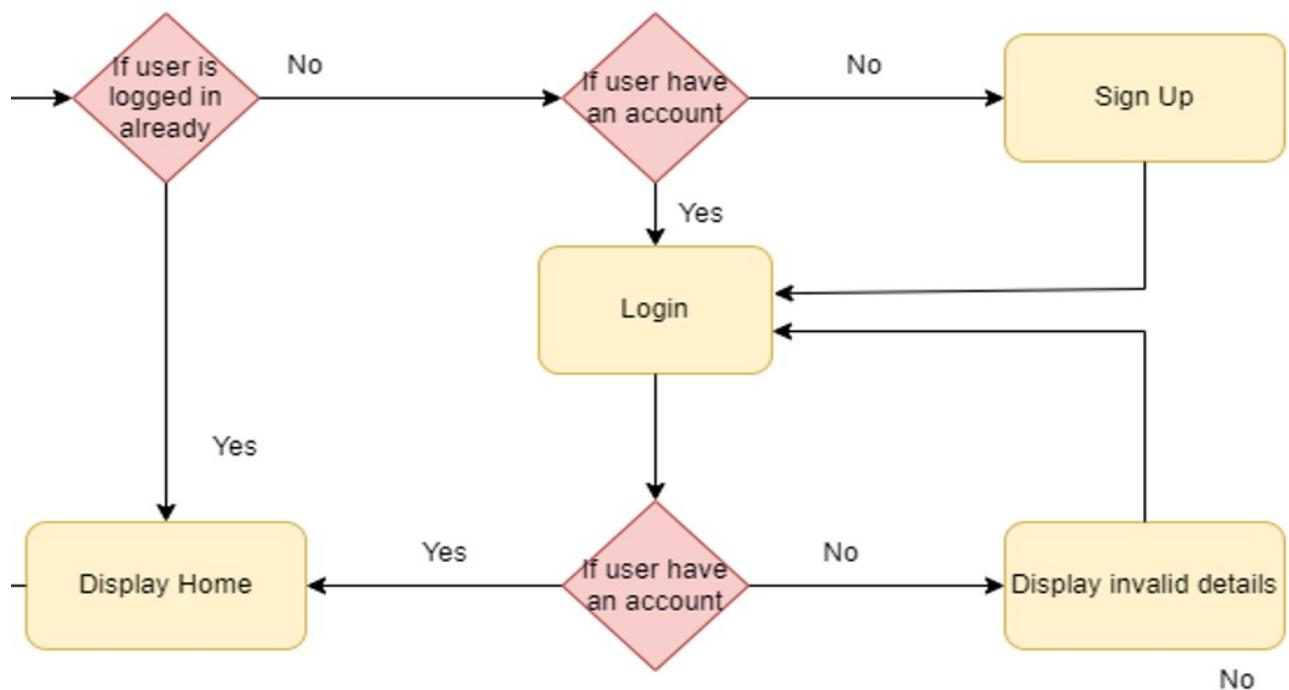


Figure 29 -IT20137250 Block point 1 -Edited

2. It does not include the contact donor details view section.

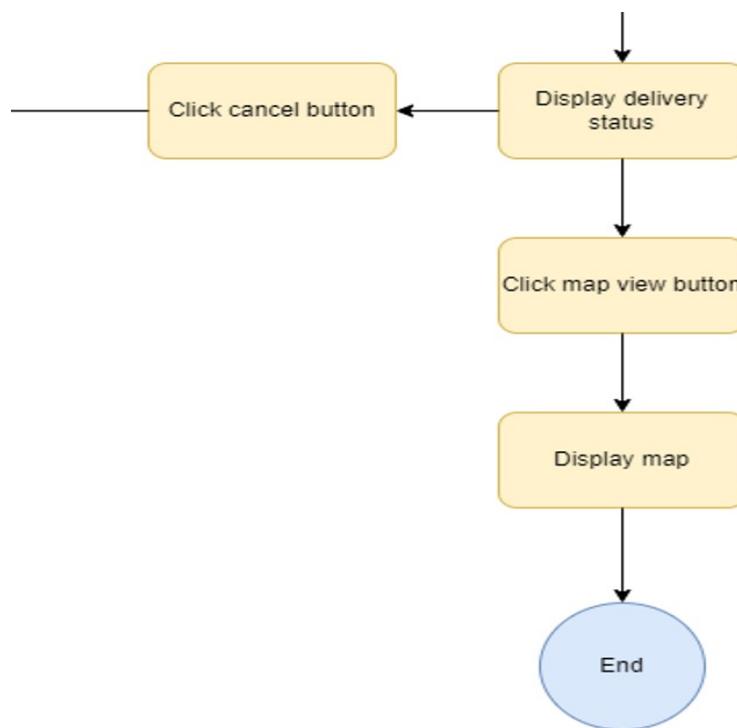


Figure 30 -IT20137250 Block point 2

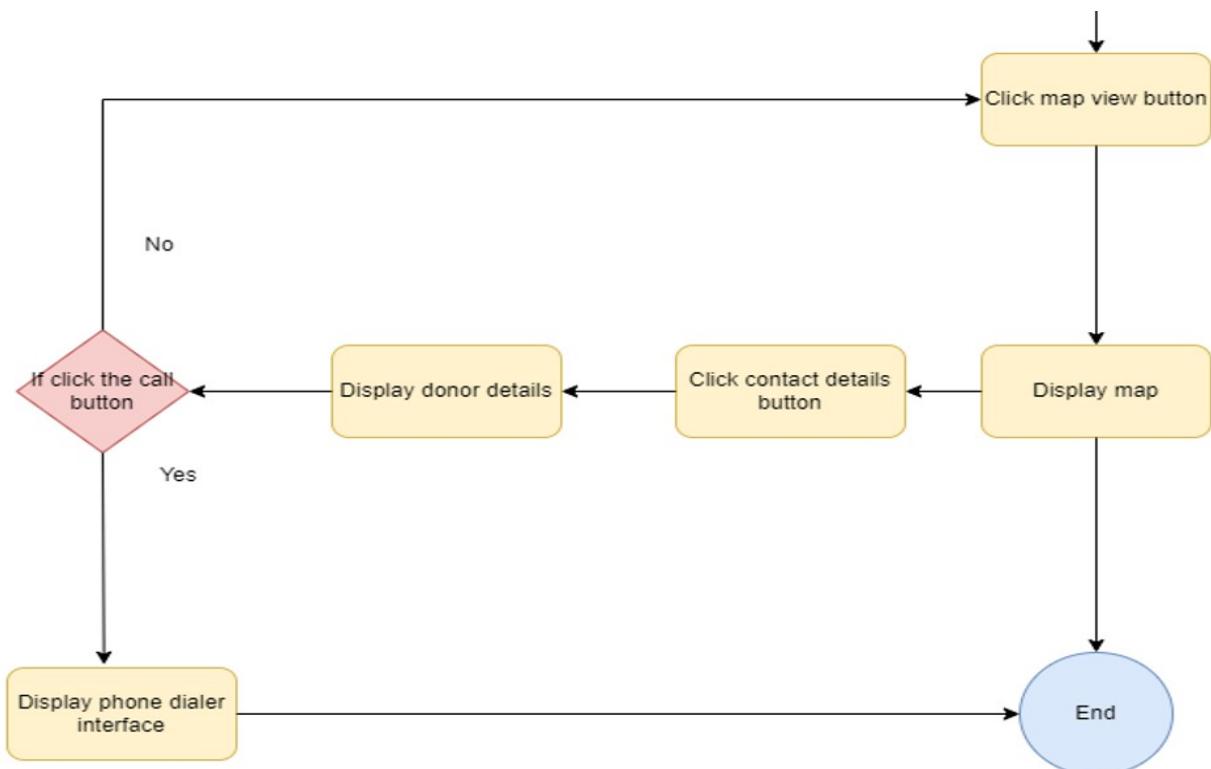


Figure 31 -IT20137250 Block point 1 - Edited

3. It does not include the choose location option to find donation foods easily.

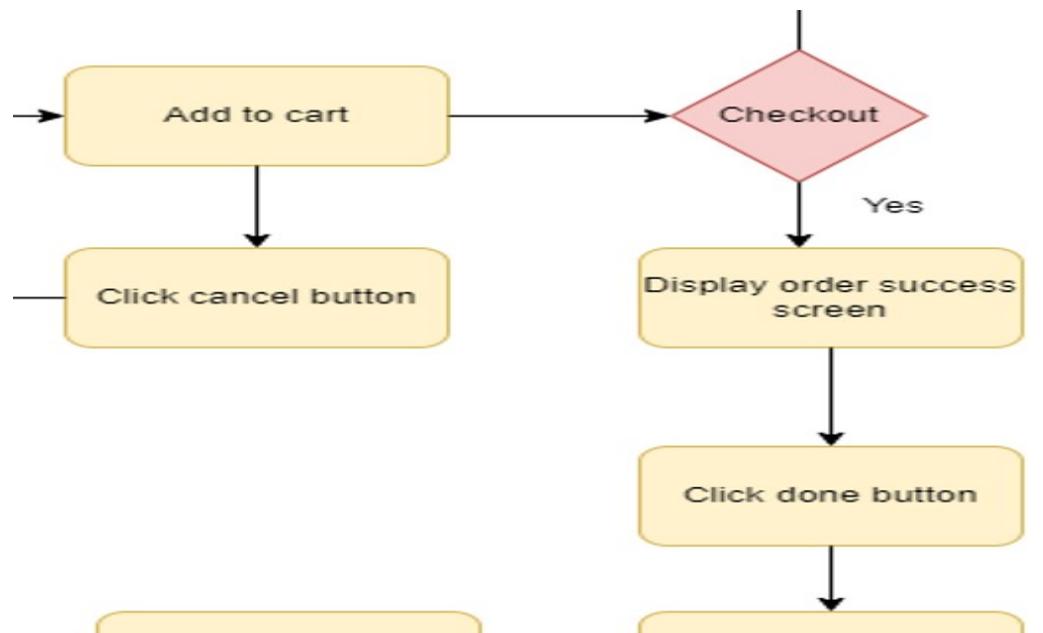


Figure 32 -IT20137250 Block point 3

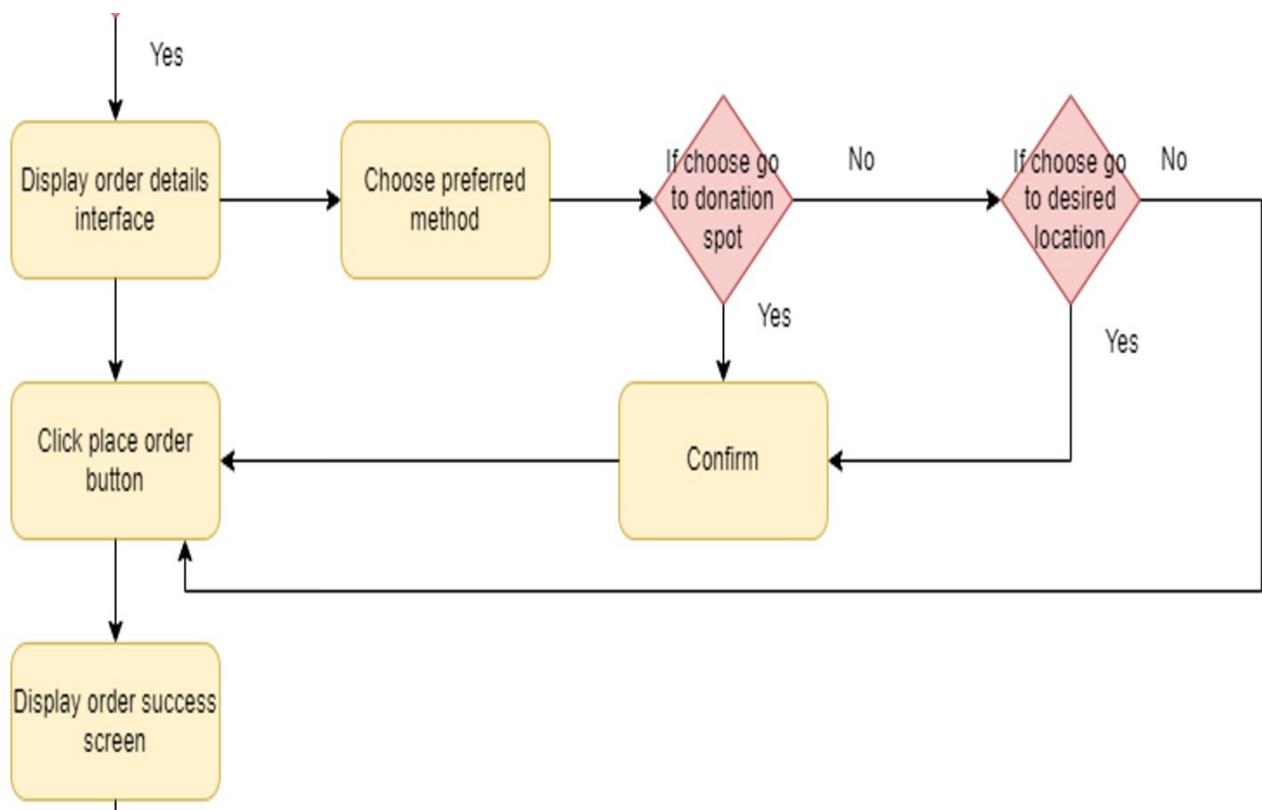


Figure 33 -IT20137250 Block point 1 - Edited

## updated user flow according to Animal Activists requirements

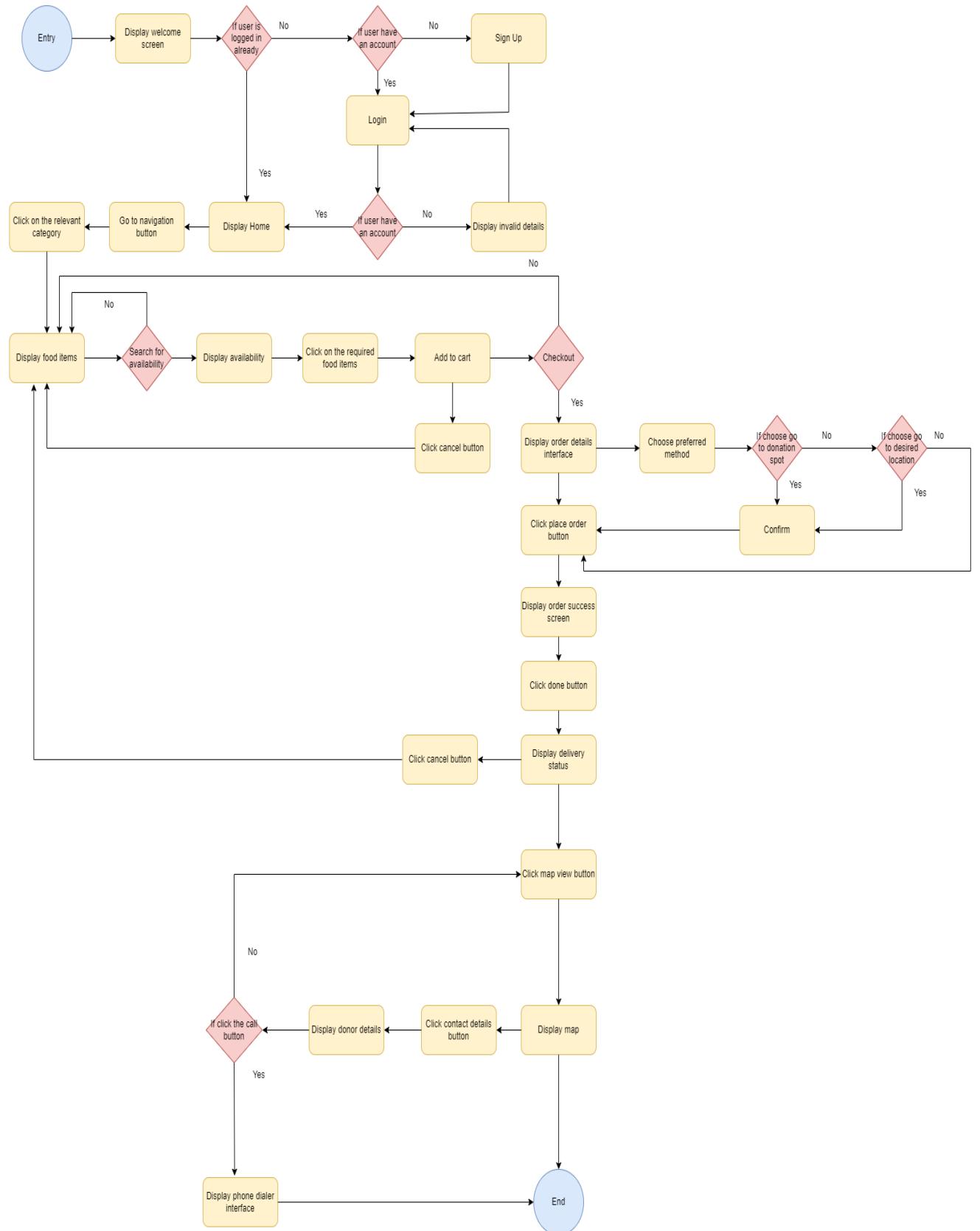


Figure 34 -updated user flow according to Animal Activists requirements

## User flow 2-

### Update Receivers' requests before approval from the admin

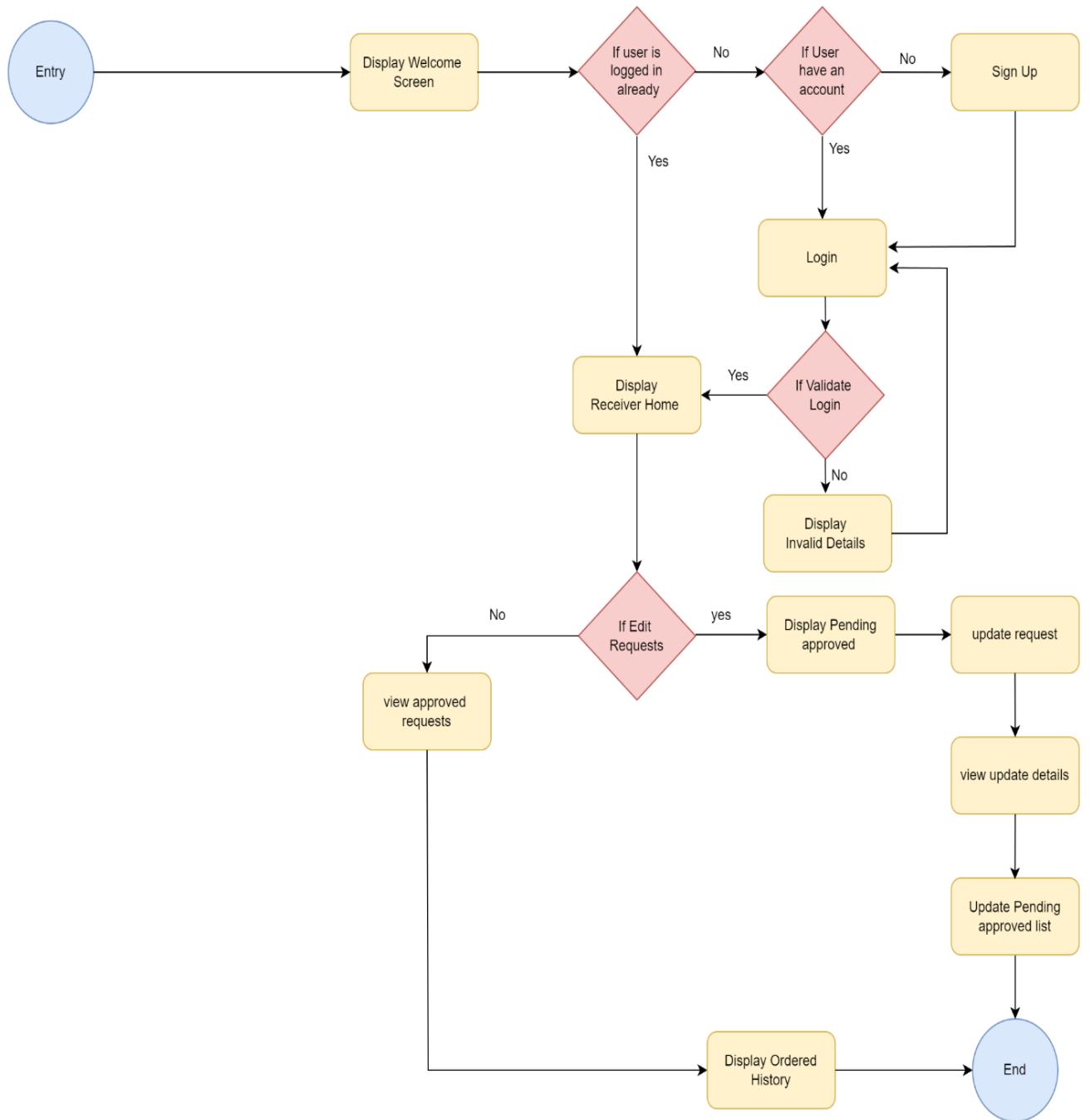


Figure 35 -updated user flow according to Animal Activists requirements 2

## User flow 3- Give feedback for donors

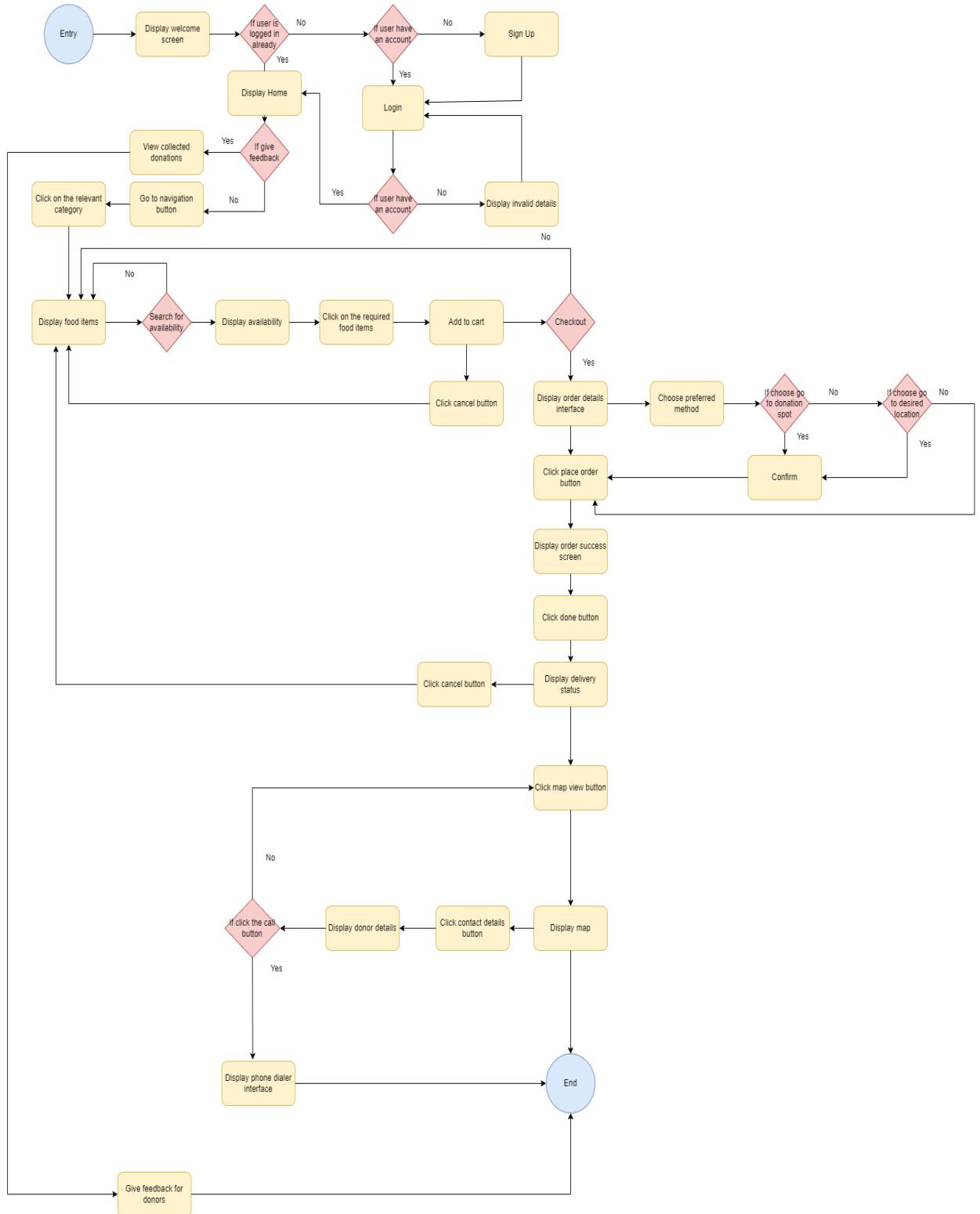


Figure 36 -Give feedback for donors

# Children's Warden (IT20230692)

## Fail-Points/Blockings

1. does not include if logging failed part.

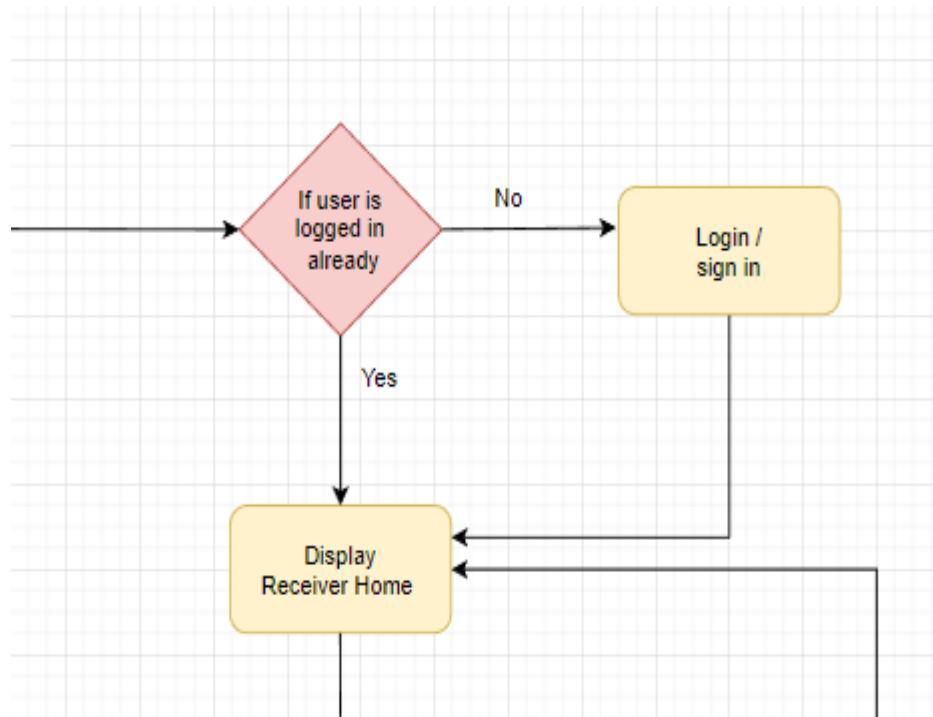


Figure 37 - IT20230692 block point 1

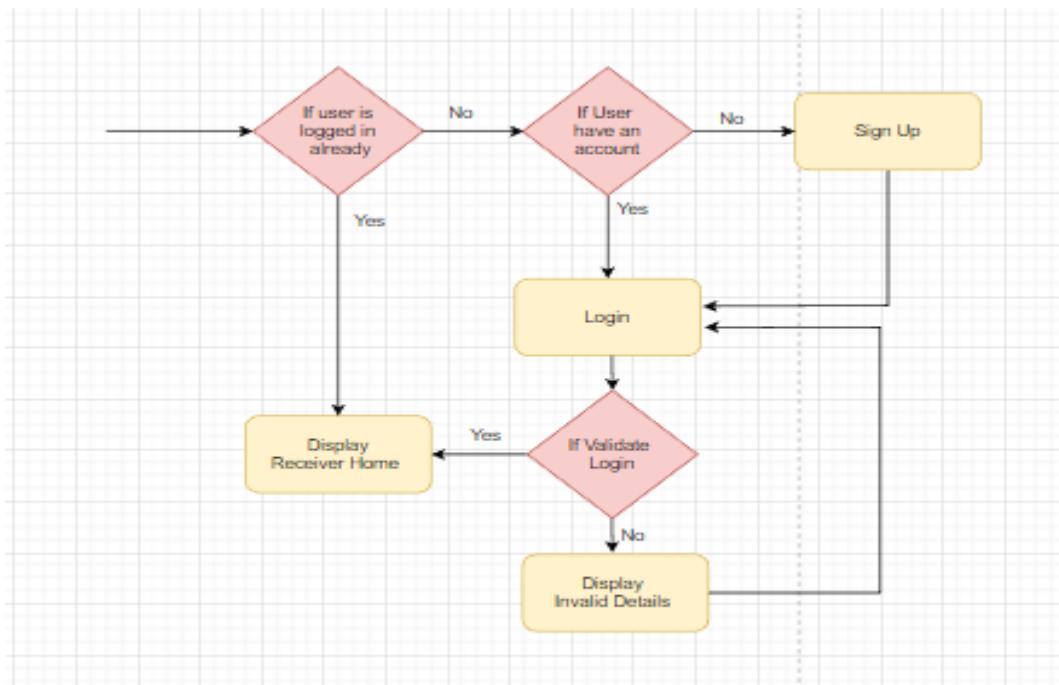


Figure 38 -IT20230692 Block point 1 Edited

2. Does not include part of the request approved section

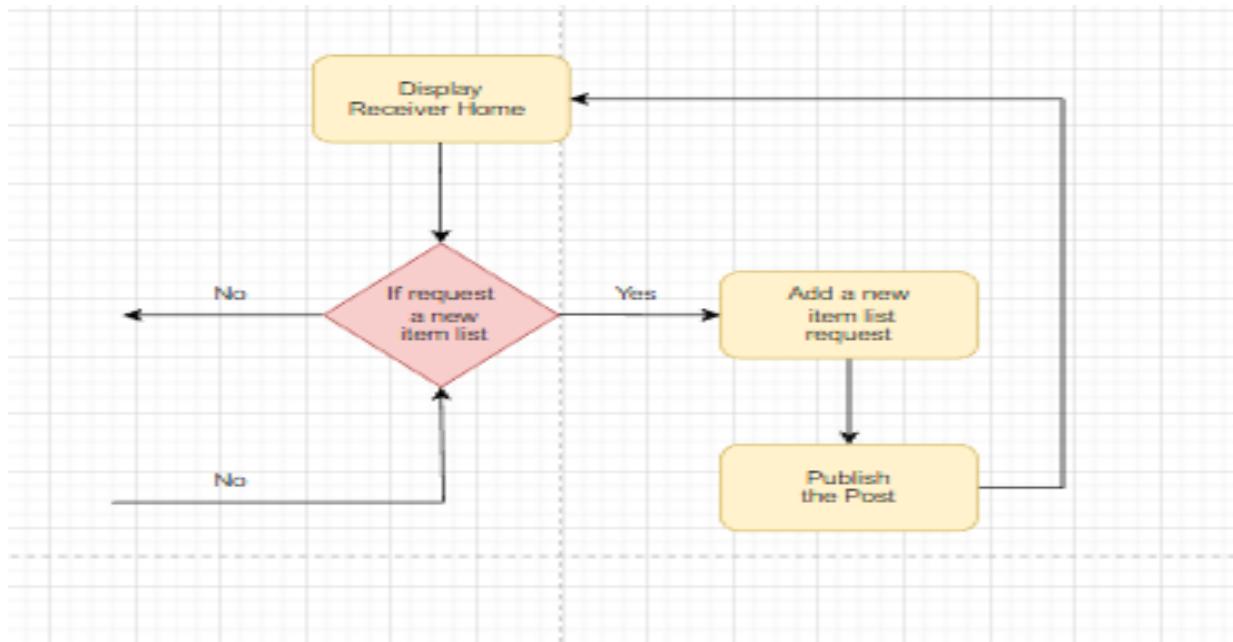


Figure 39 - IT20230692 Block point 2

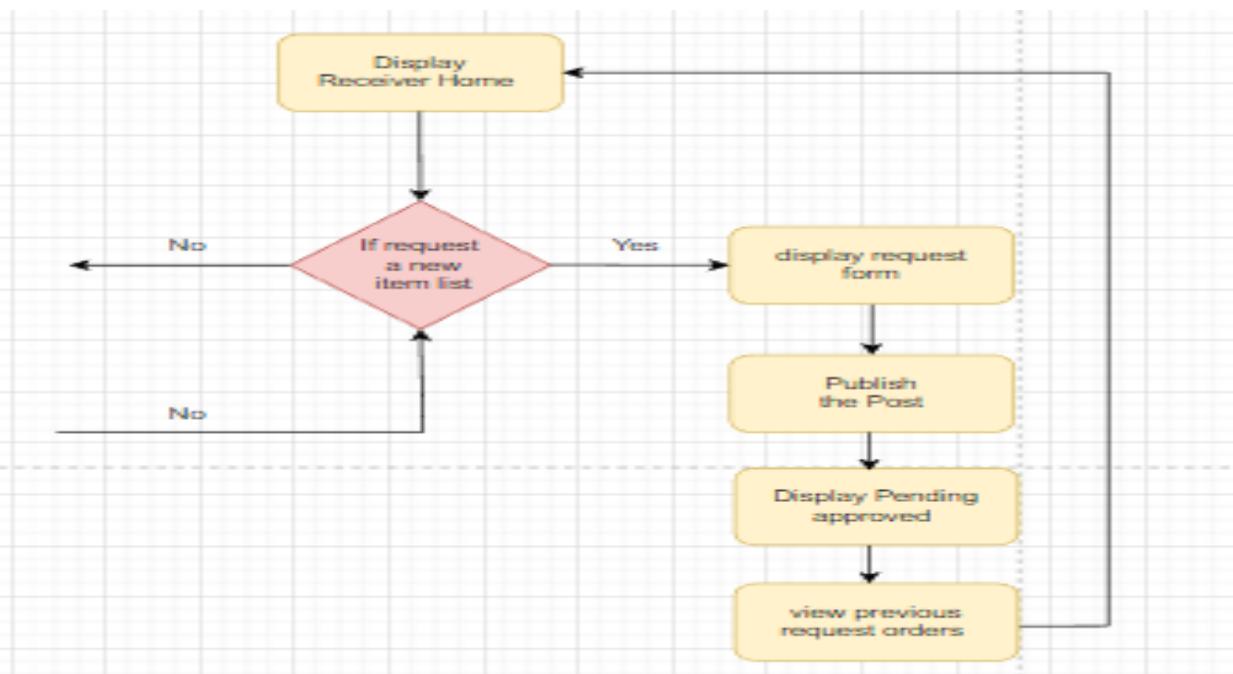


Figure 40 - IT20230692 Block point 2 -Edited

3. Does not include the search option to easily find donation items

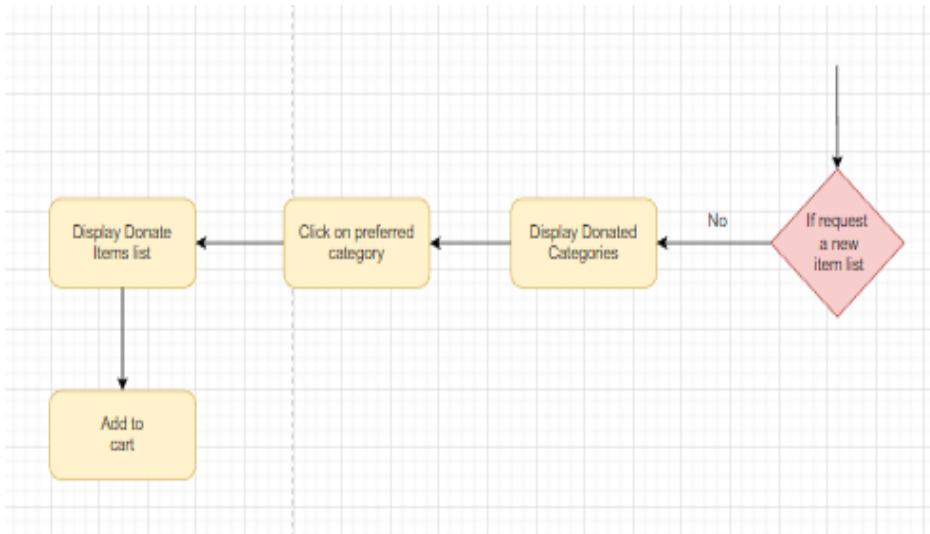


Figure 41 - IT20230692 Block Point 3

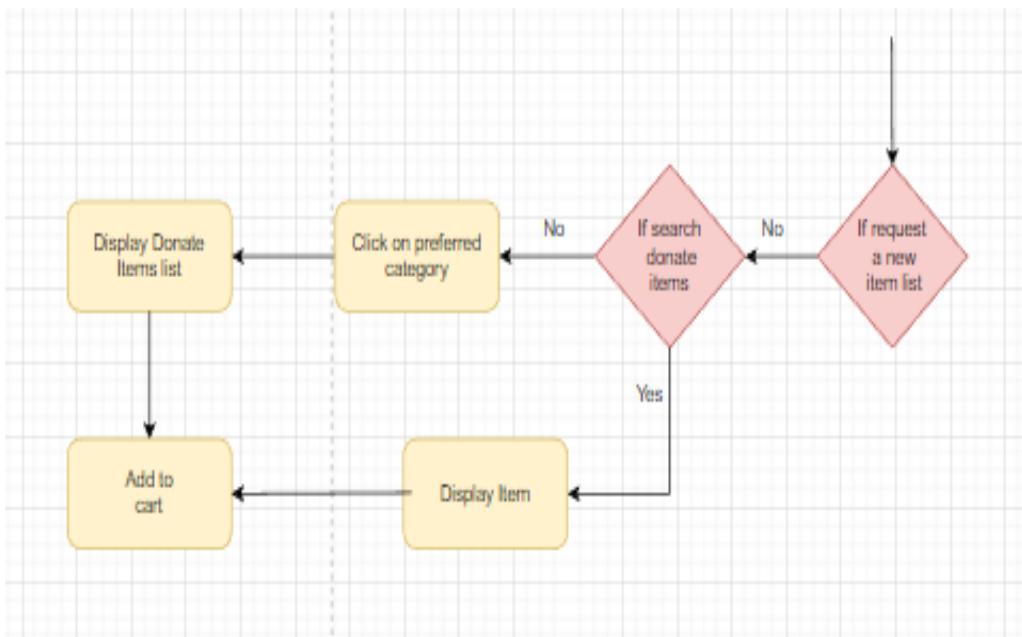


Figure 42 - IT20230692 Block point 3 -Edited

## updated user flow according to warden's requirements

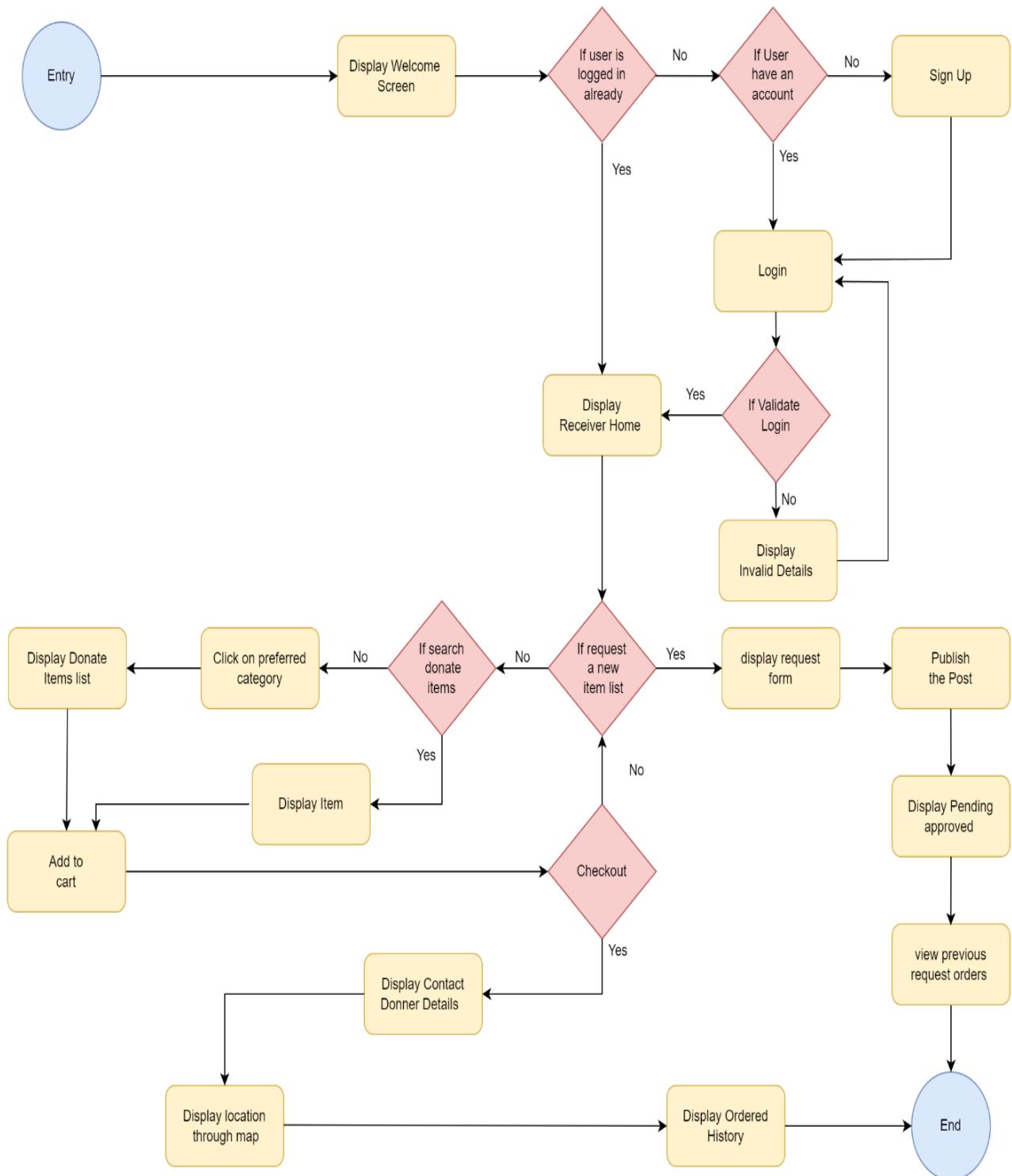


Figure 43 - updated user flow according to warden's requirements

## User flow 2-

Update Receivers' requests before approval from the admin.

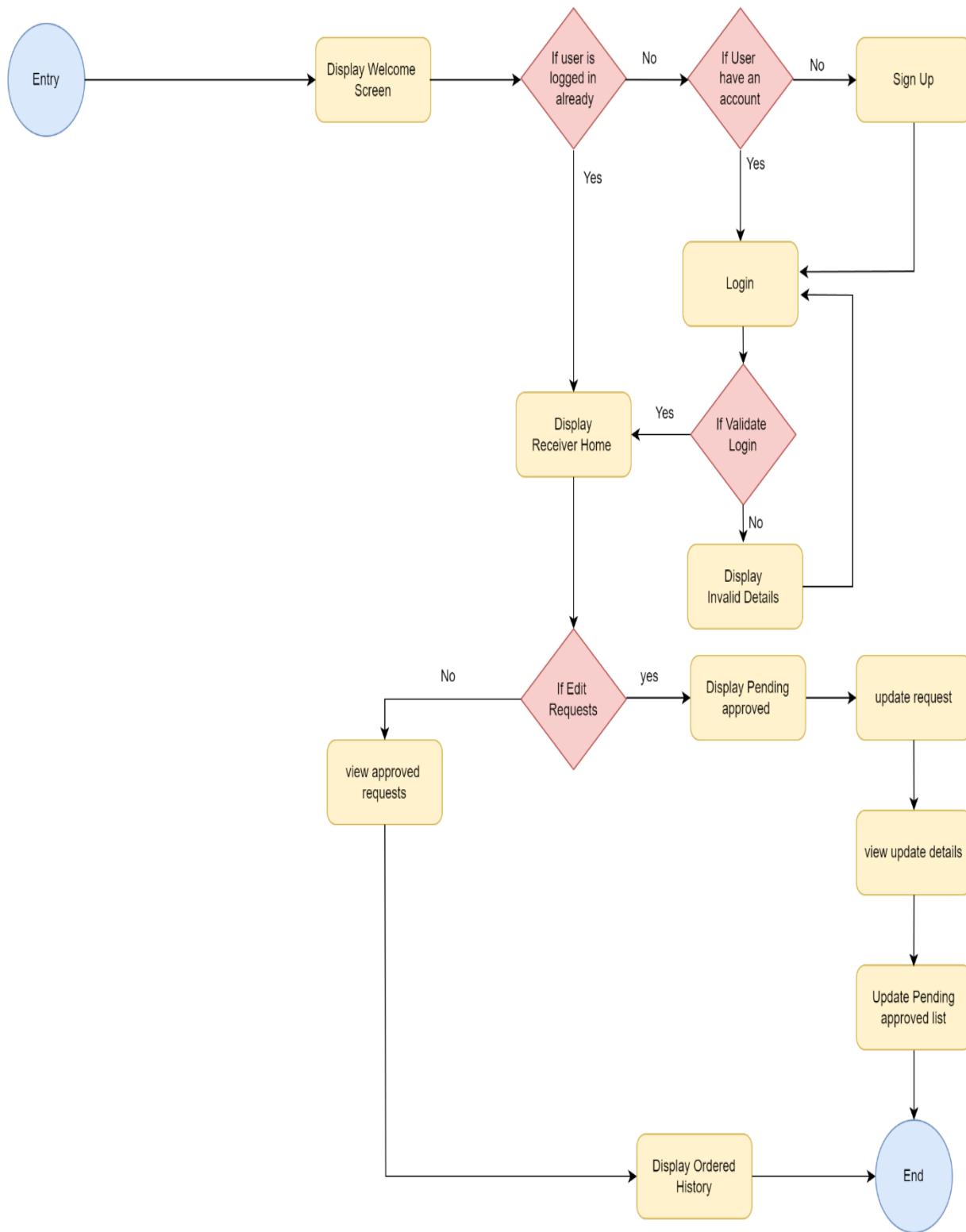


Figure 44 -Update Receivers' requests before approval from the admin.

## User flow 3-

## give feedback for donners

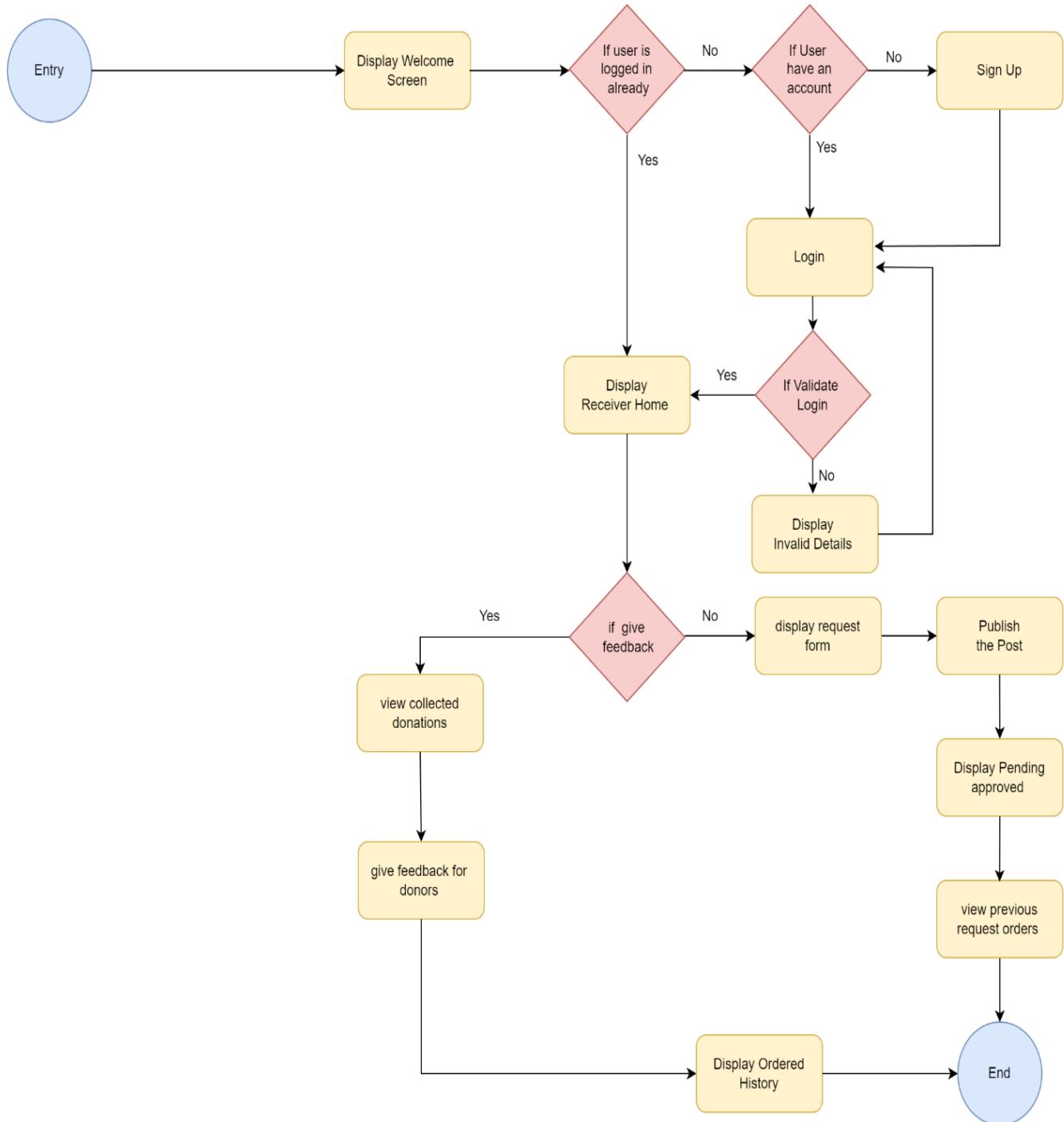


Figure 45 -give feedback for donners

## Food Donor (IT20660352)

### Fail-Points/Blockings

Before, a food donation should be deleted or updated by selecting it from the food donation list page, now it can be searched and found and deleted or updated.

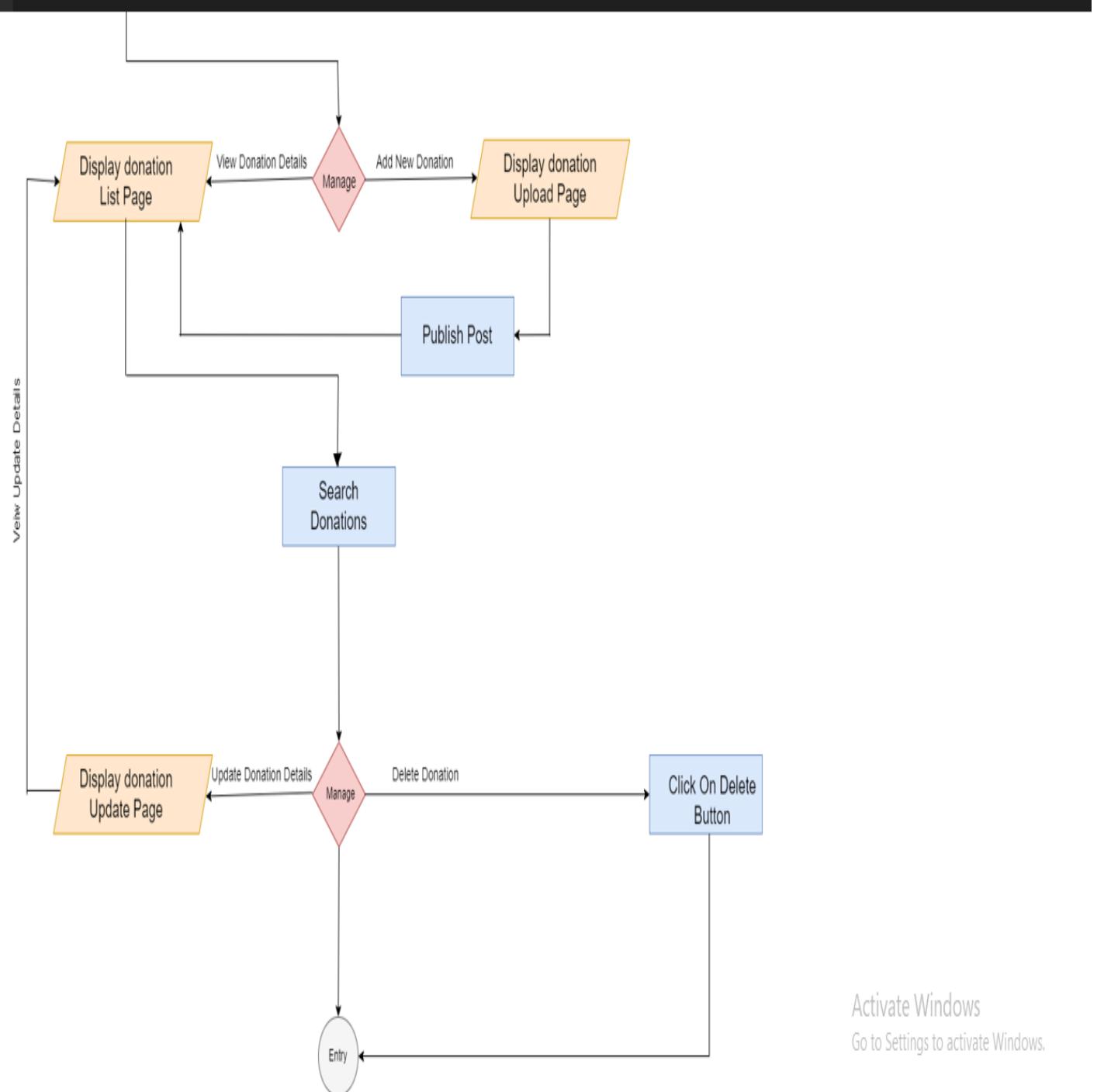


Figure 46 -IT20660352 Block point 1 - Edited

2. Previously, the facility to manage the food donor's profile was missed and later it was added.

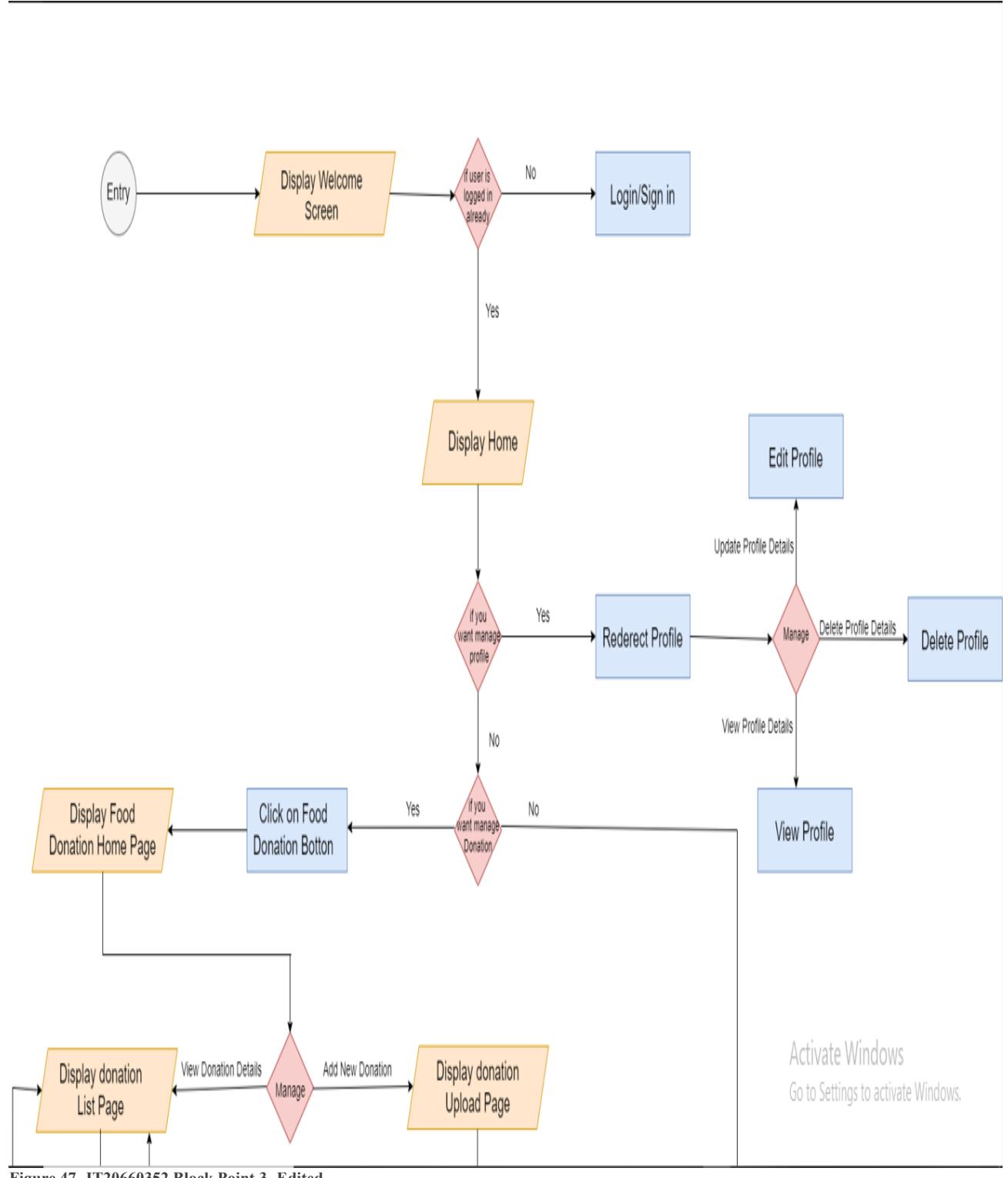
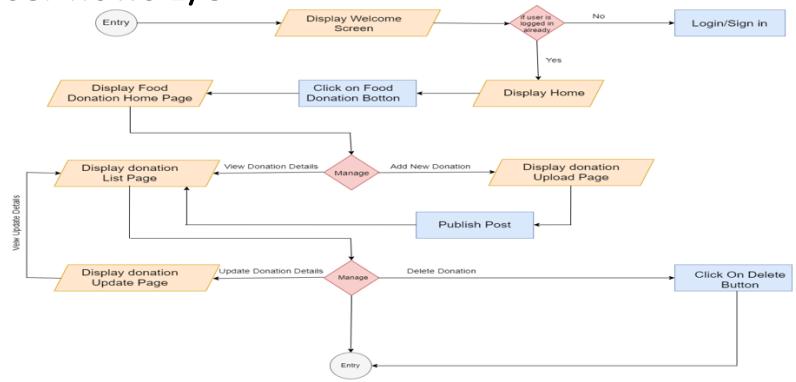
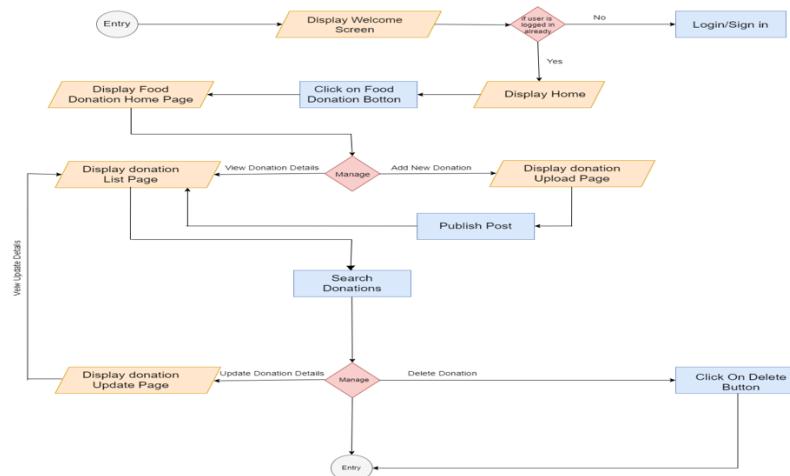


Figure 47 -IT20660352 Block Point 3 -Edited

## User flows 2/3 –



### Search Donations



### Manage Donor Profile

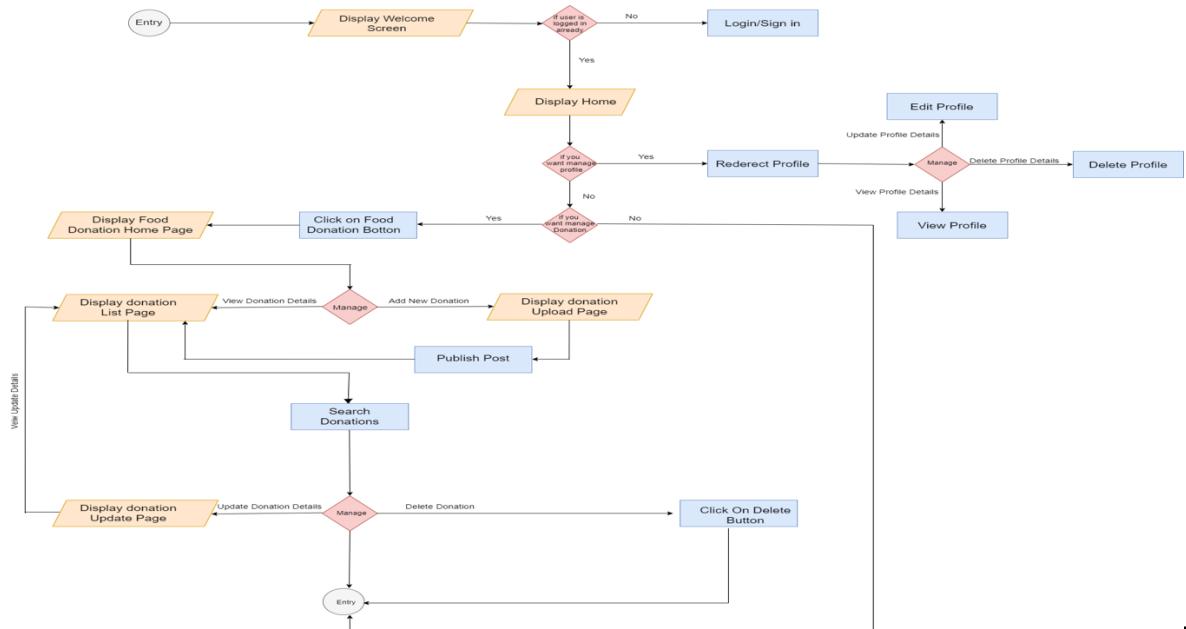


Figure 48 -IT20660352 Block point edited -3

## Article Author (IT20666538 M.G.W Bhagya)

### Fail-Points/Blockings

1. Does not include if logging failed part and If any Un-Registered writer trying to login to the system before user flow there is no option for them.

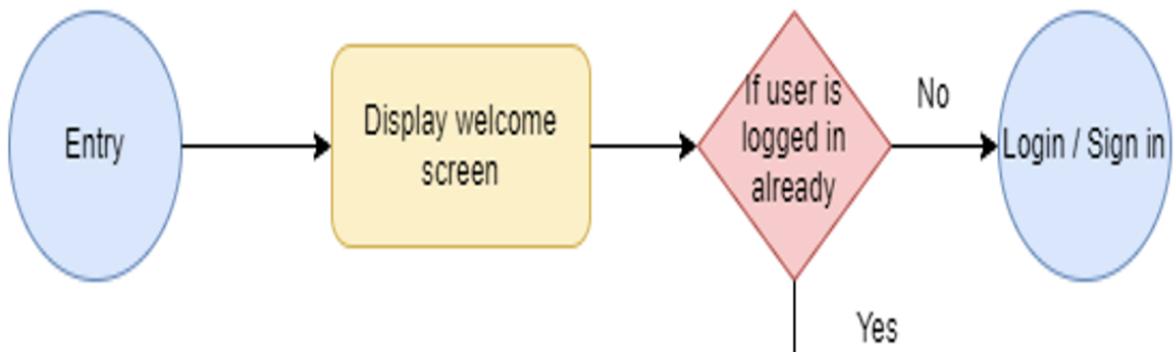


Figure 49 - IT20666538 Block Point 1

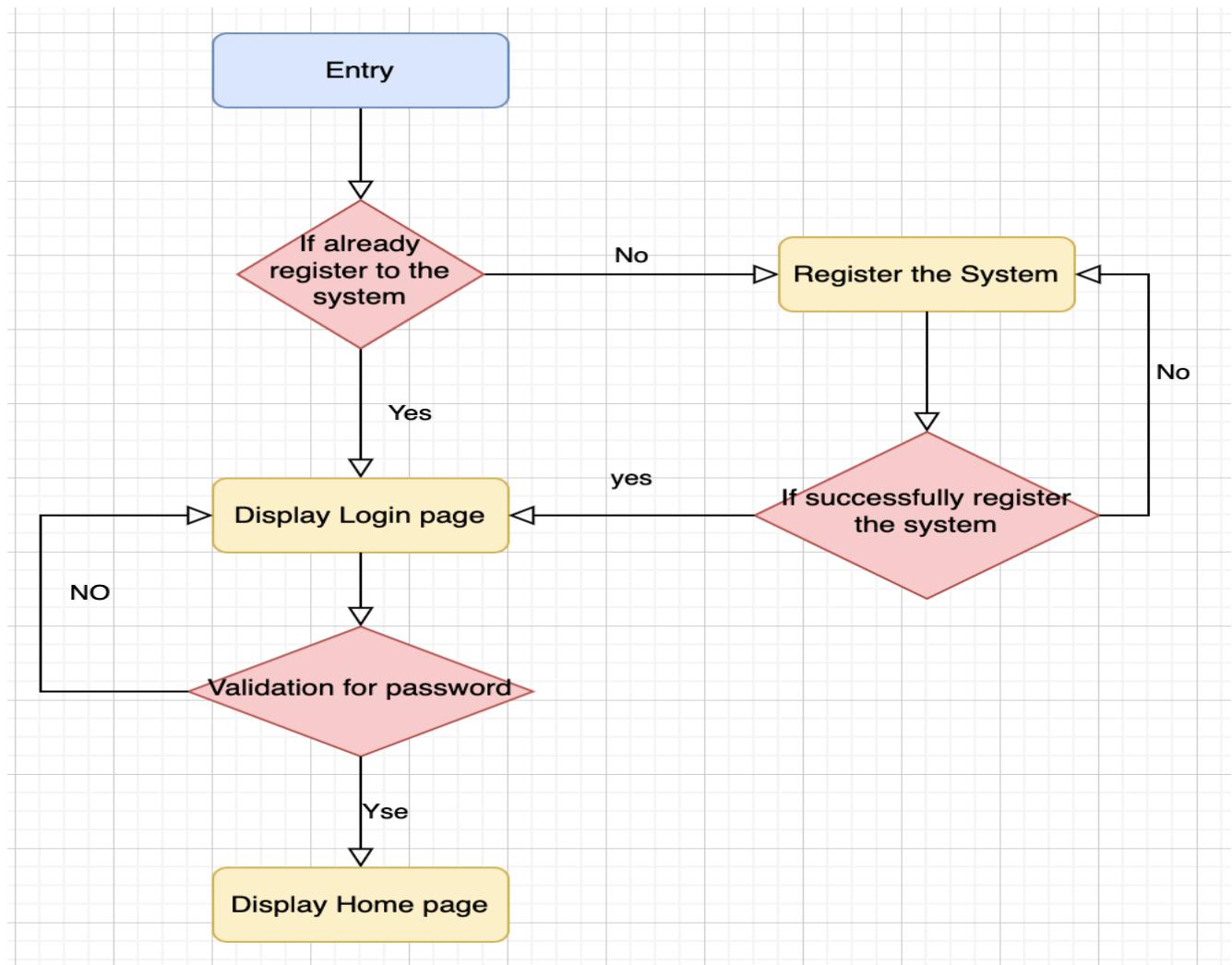


Figure 50 - IT20666538 block point edited 1

2. Before, there was no option to view article author's profiles. Now Profile viewing option provided.



Figure 51 - IT20666538 block point 2

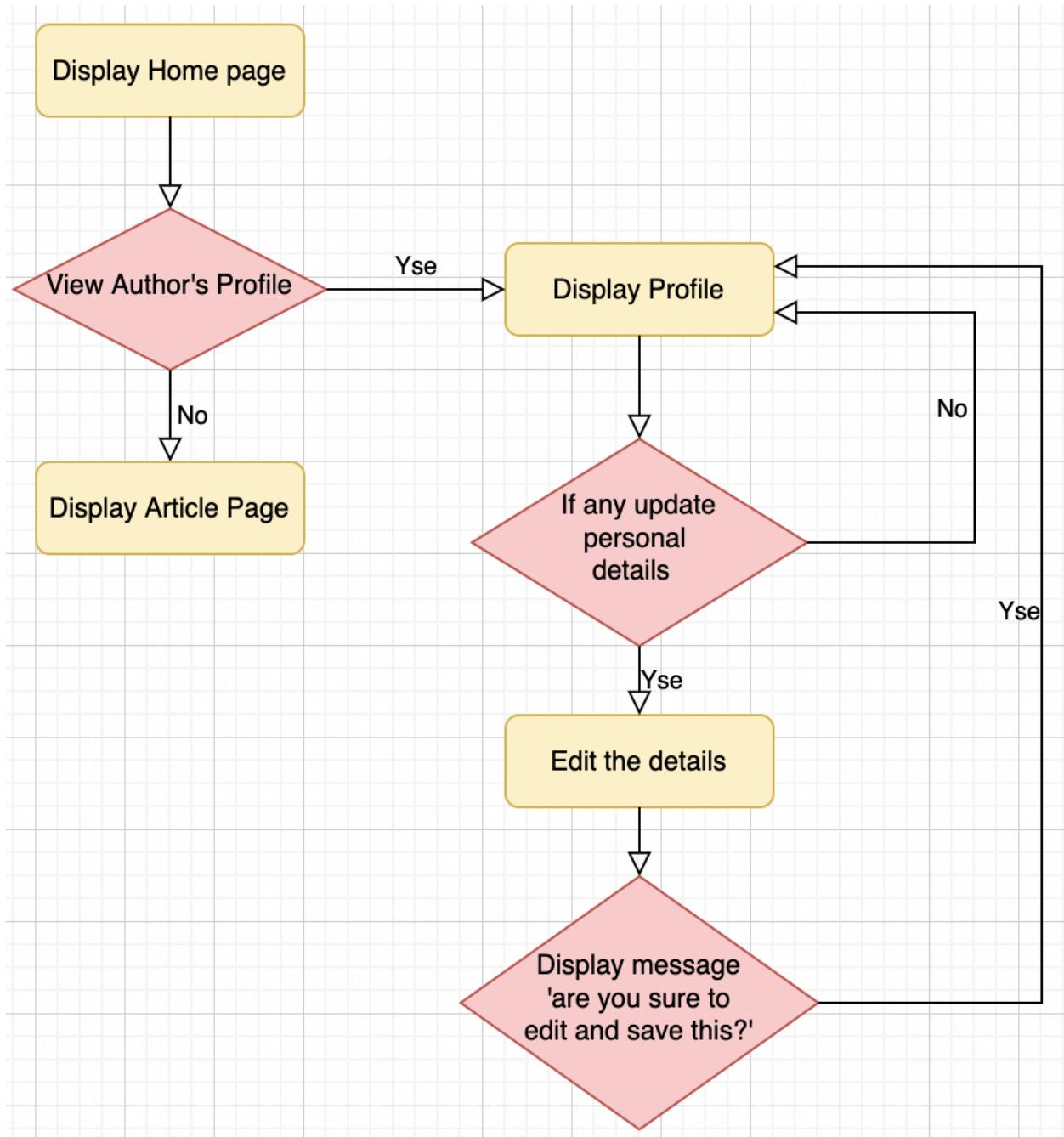


Figure 52 IT20666538 block point edited 2

**3.Before, after write an article and edit or delete the article any time article author can do it. Now approval must be needed to make it done.**

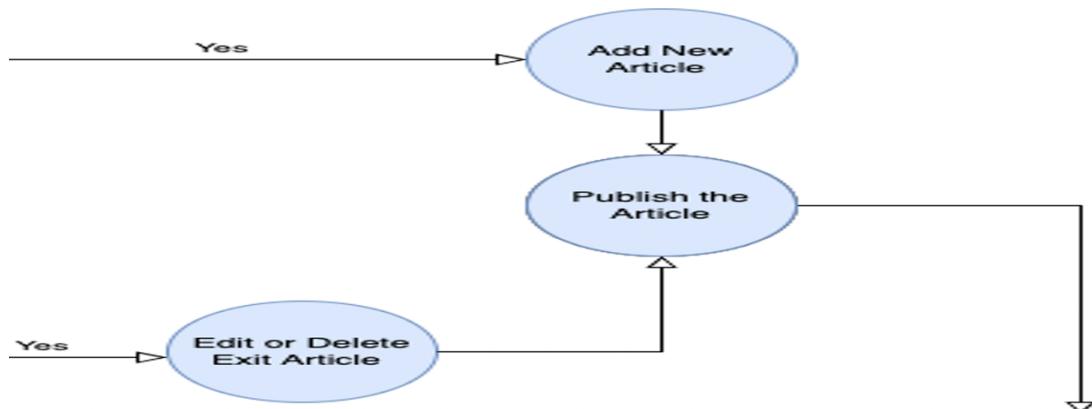


Figure 53 - IT20666538 Block point 3

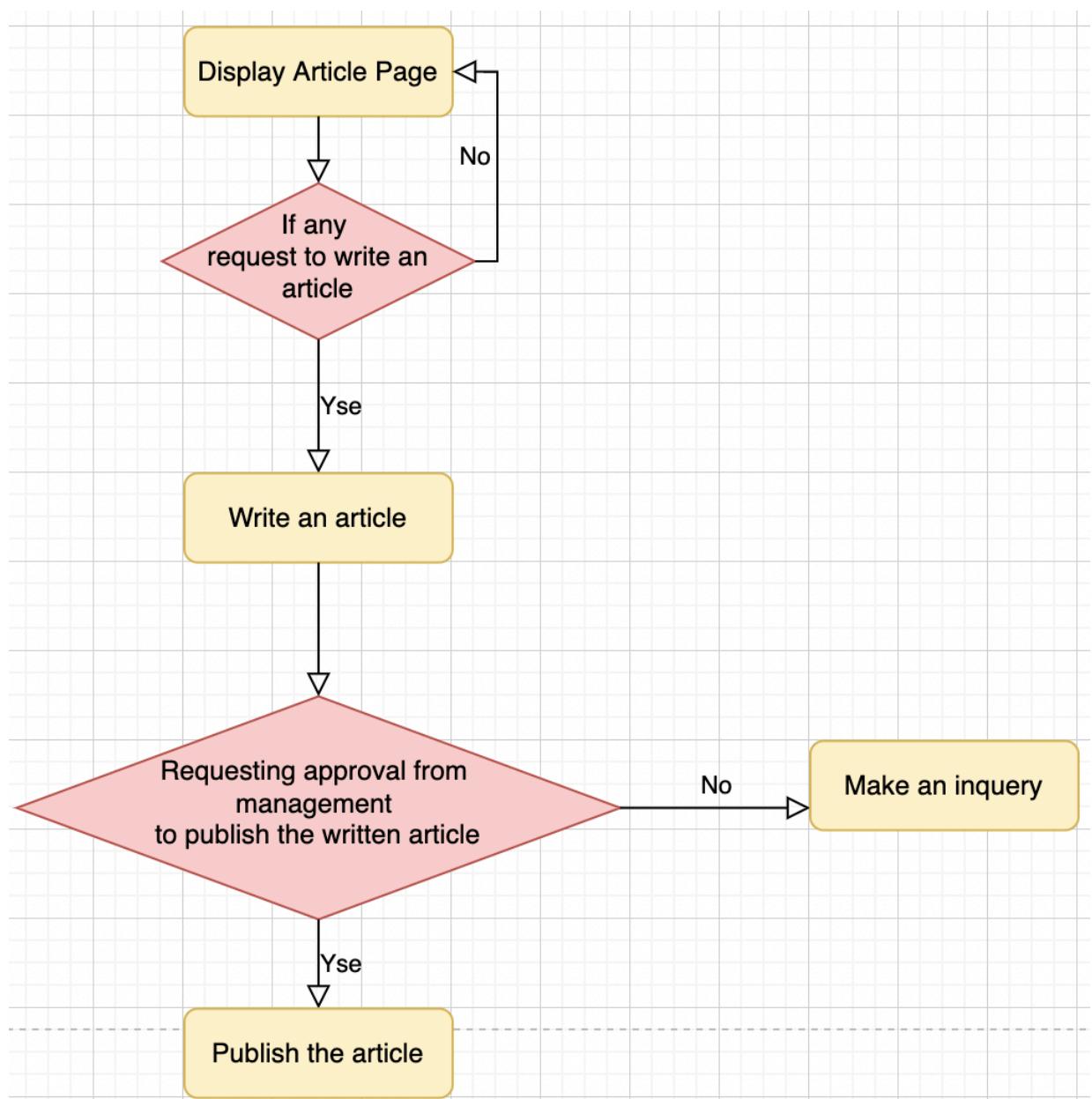


Figure 54 - IT20666538 Block point 3 edited

## According to Un-Modify User Flow

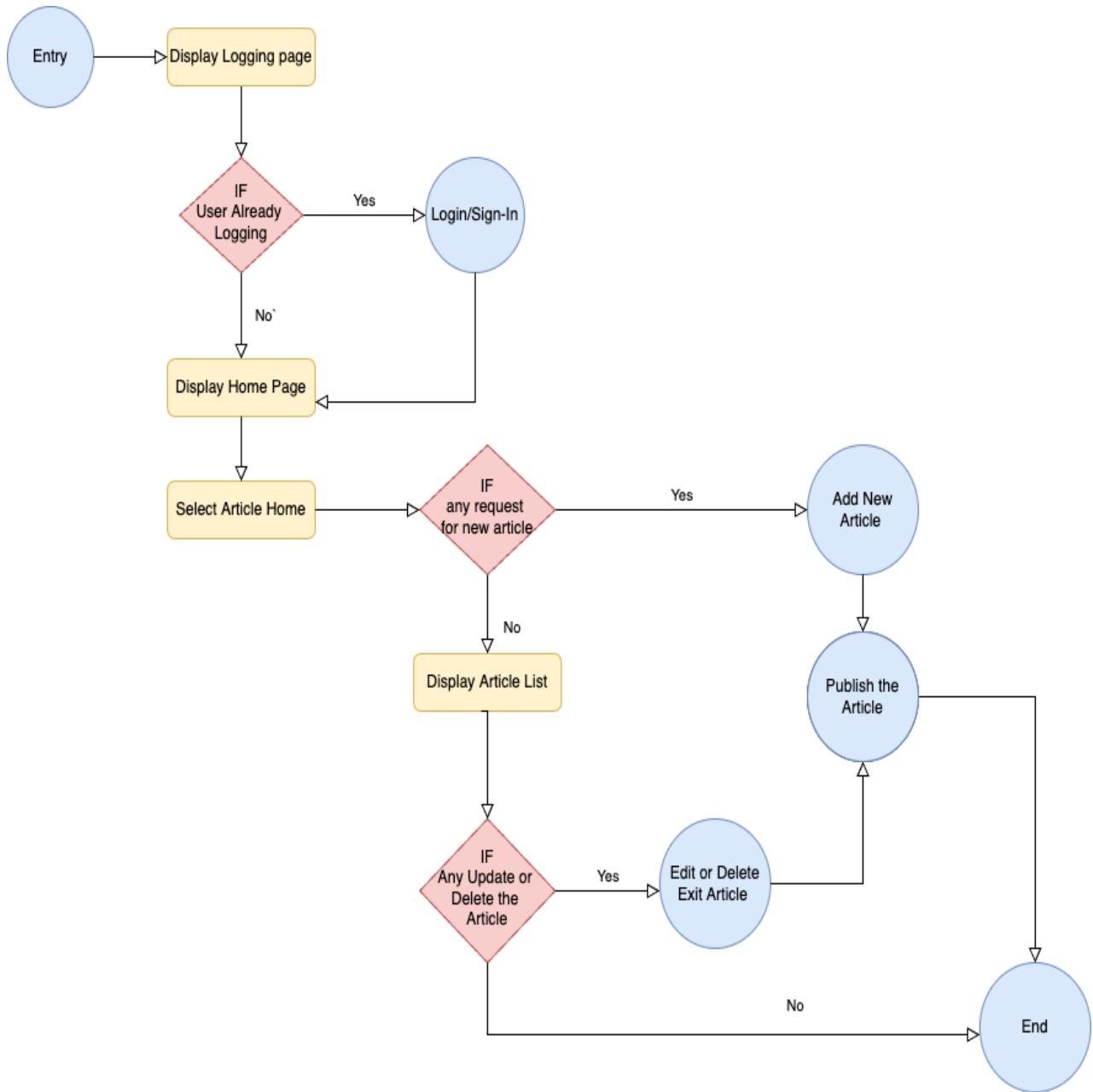


Figure 55 -According to Un-Modify User Flow

## Updated User Flow

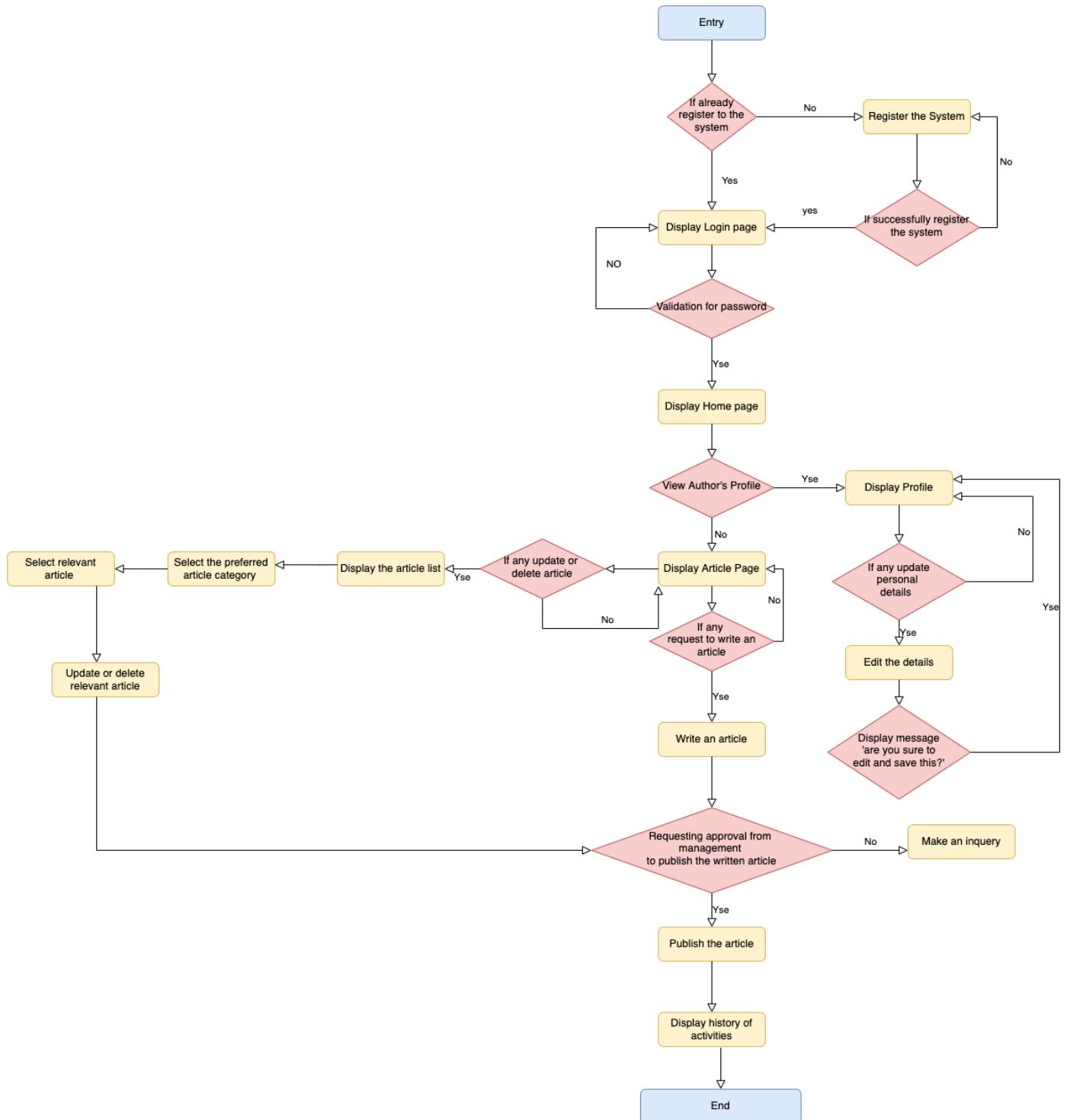


Figure 56 -Updated User Flow

## User Flow 2- Search Function for Reader and Writer

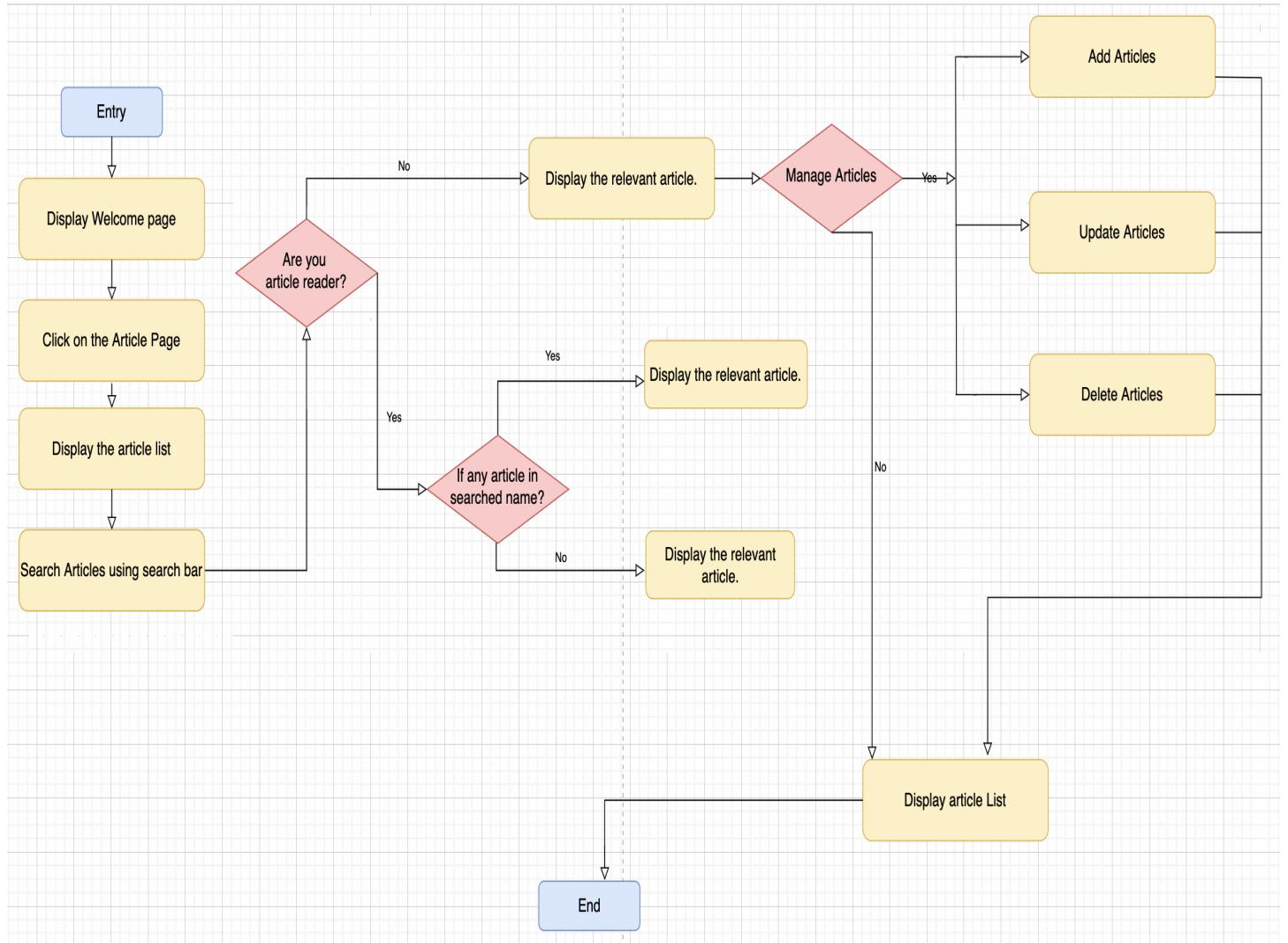


Figure 57 - Search Function for Reader and Writer.

## User Flow 3 – Add giving ratings for articles Function

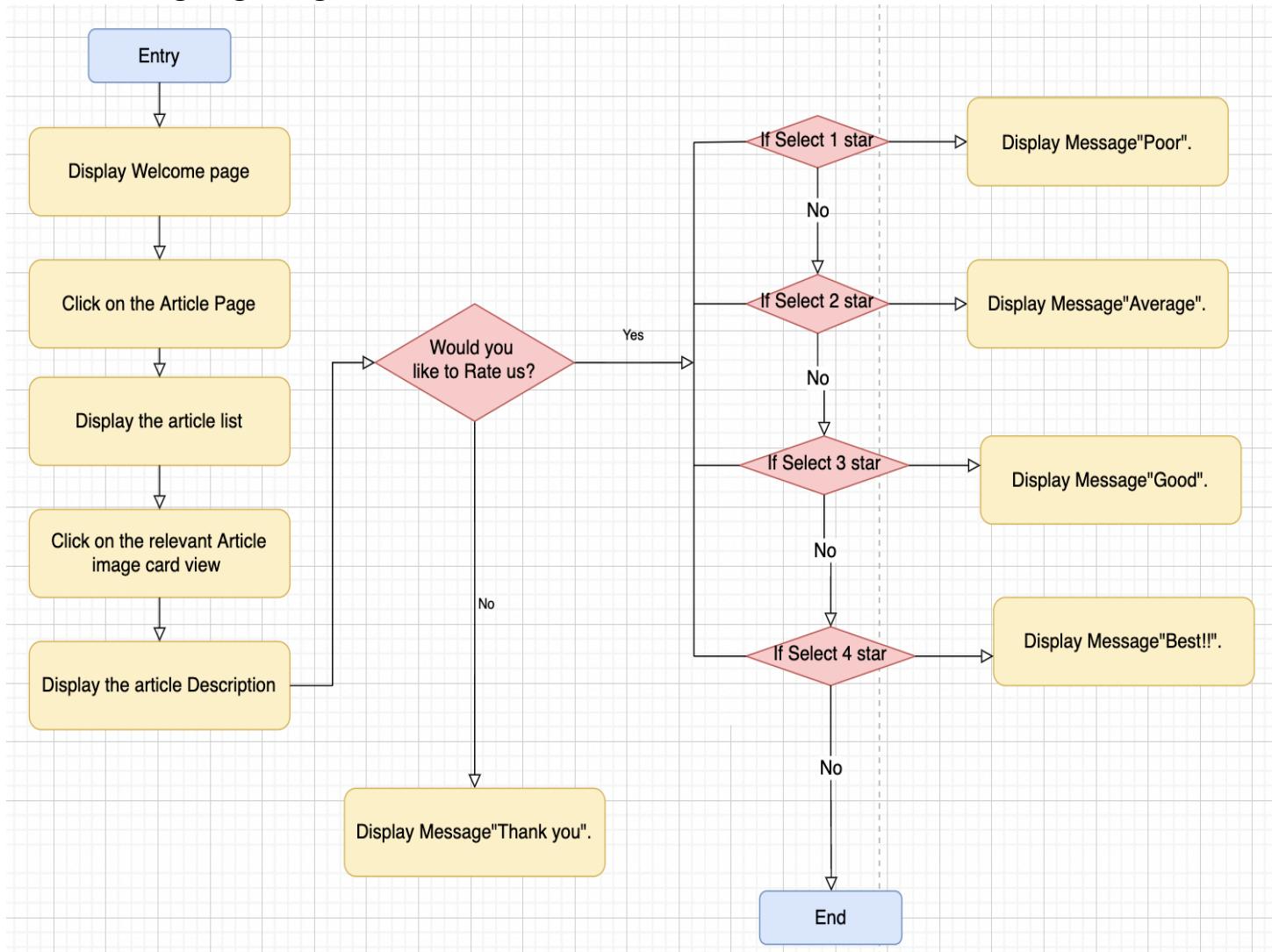


Figure 58 - Add giving ratings for articles Function

## 7 Competitor Analysis

In the UX research process, competitive analysis is essential. It is crucial to look at existing solutions for our problem statement before launching a product or service. Competitive analysis reveals the features given by competing solution providers in the industry where our app operates that are effective and ineffective. It aids in our strategic creation of an exceptional experience that makes our goods stand out.

### 7.1 Sharethe Meal App

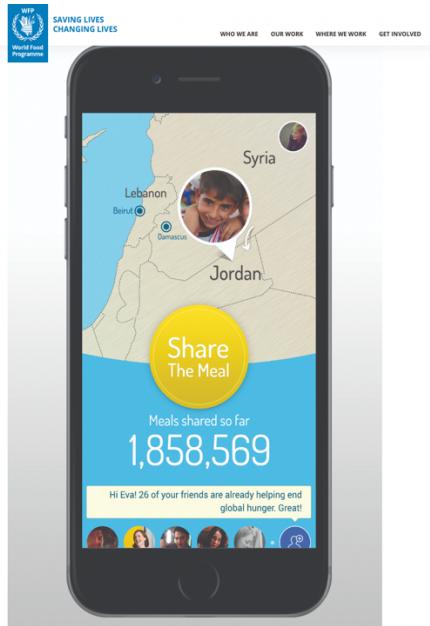


Figure 59- Competitor 1

### 7.2 Advantage

Users can participate whenever they want and wherever they are. They can “share” their meals while having dinner with friends or eating lunch at the office. Even a donation as small as 50 US cents will provide a child with vital nutrition for a day. Contributions will benefit Syrian refugee children in Jordan who are part of WFP’s school meals programme.

“The simple act of sharing a meal is how people all over the world come together,” said WFP Executive Director Ertharin Cousin. “This digital version of sharing a meal is a tangible way that Generation Zero Hunger can act to end hunger.”

Across the globe, designers and engineers are using technology to reduce food waste and help feed the hungry by making food production, storage, transportation, distribution, and consumption more efficient.

These five apps are disrupting the way we produce, transport, and use food, helping to prevent spoilage and stop wasteful behavior. “With the global launch, smartphone users in many countries across the world can support hungry children,” said Sebastian Stricker, who founded ShareTheMeal.

The free app will be available for iOS and Android from 12 November in app stores worldwide. It only takes 30 seconds to register and users can start sharing meals with hungry children and follow the impact of their donations.

### 7.3 Disadvantage

1. Mobile apps don't substitute a website.
2. You'll need Android and iOS applications and listings.
3. Update and maintenance efforts are multiplied.
4. There is extra Marketing pressure too.

### 7.4 Translation

In our application, users can view the request and donate easily also this is free application.

### 7.5 Food For all

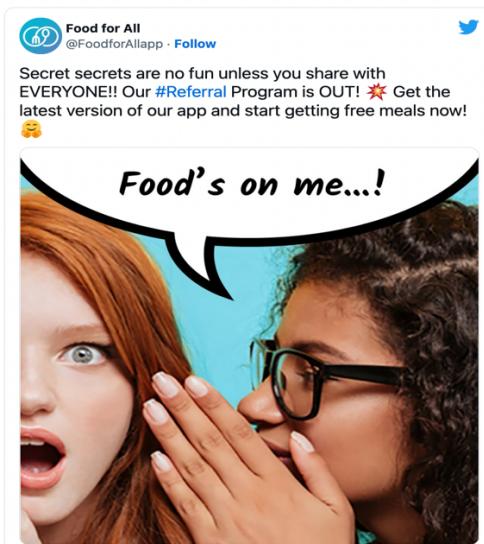


Figure 60- Competitor 2

## 8 Milestone 4: Sketching

### Sketching

Member 1: IT20137250 Rajapaksha R.C.P

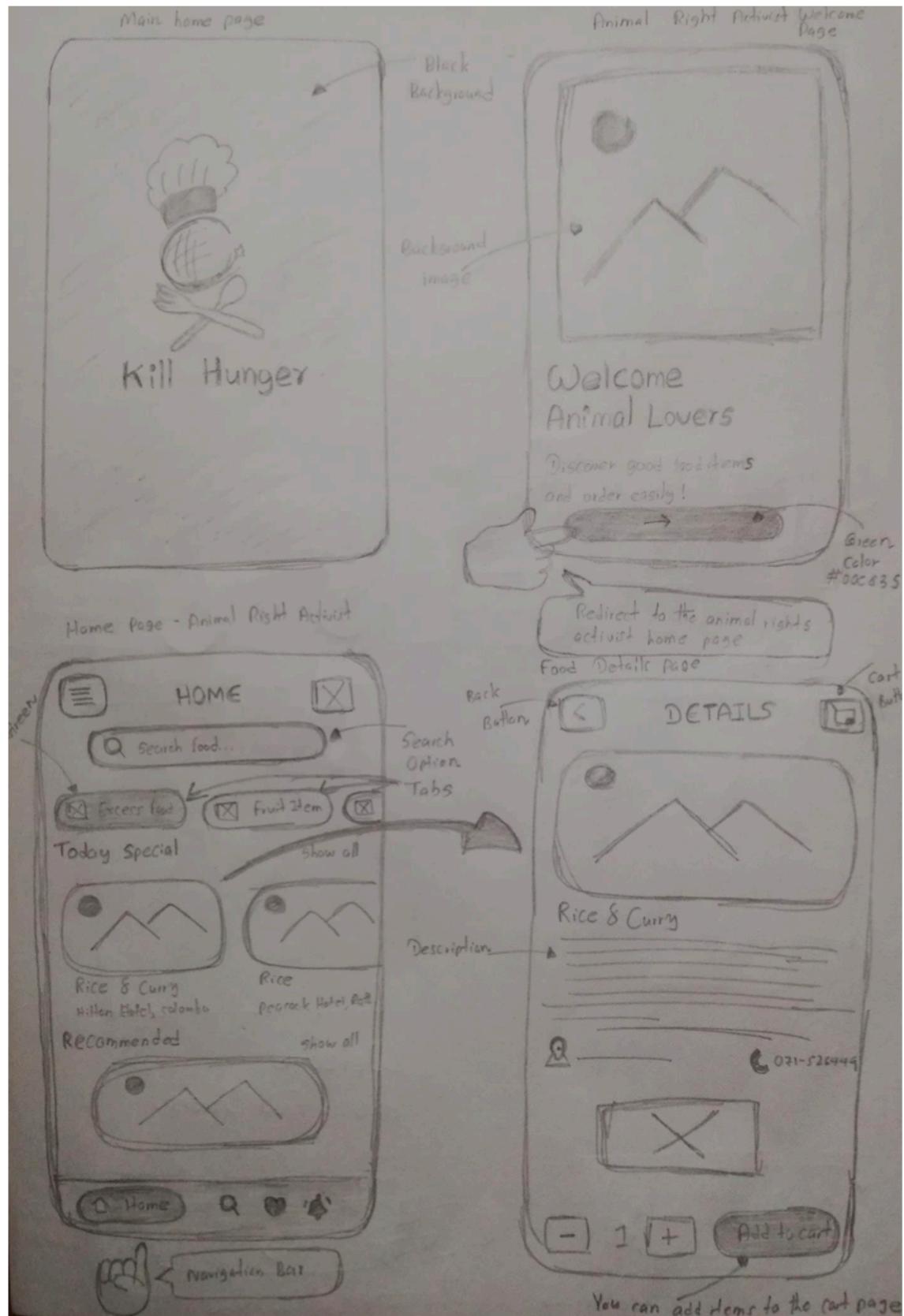


Figure 61 - IT20137250 Rajapaksha R.C.P/ Sketch 1



Figure 62 -IT20137250 Rajapaksha R.C.P/ Sketch 2

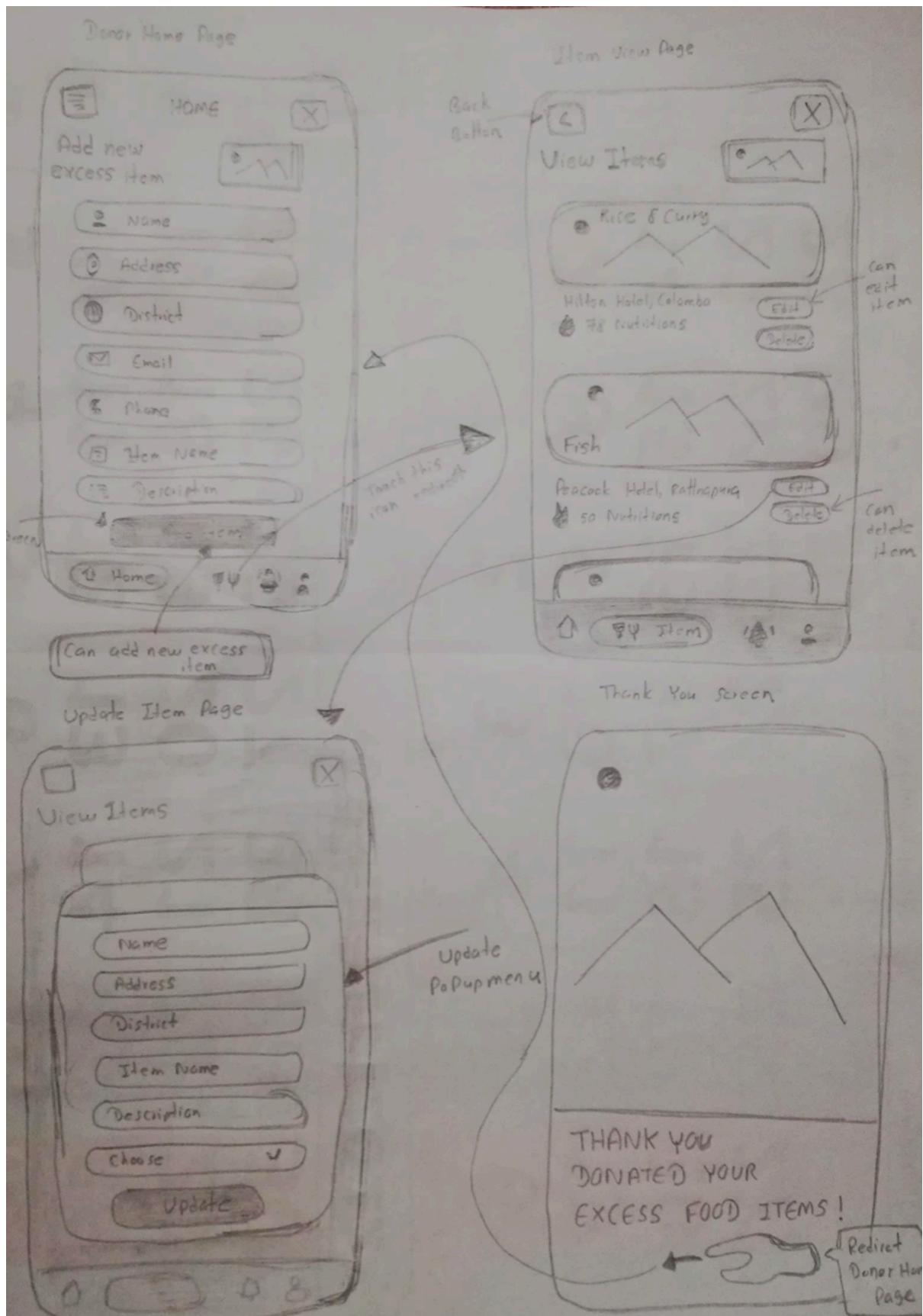


Figure 63 -IT20137250 Rajapaksha R.C.P/ Sketch 3

Member 2:IT20230692 S.C.S.Arachchi

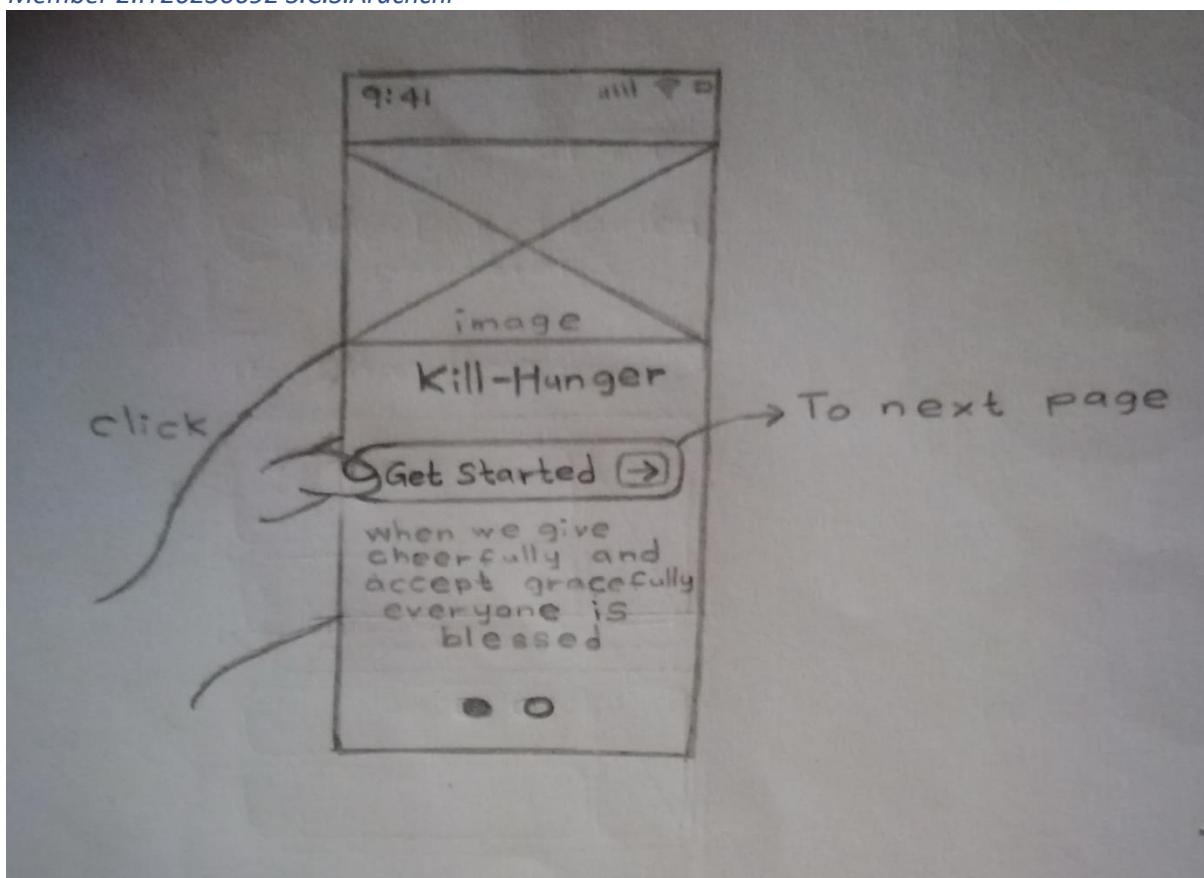


Figure 64 -IT20230692 S.C.S.Arachchi Sketch 1

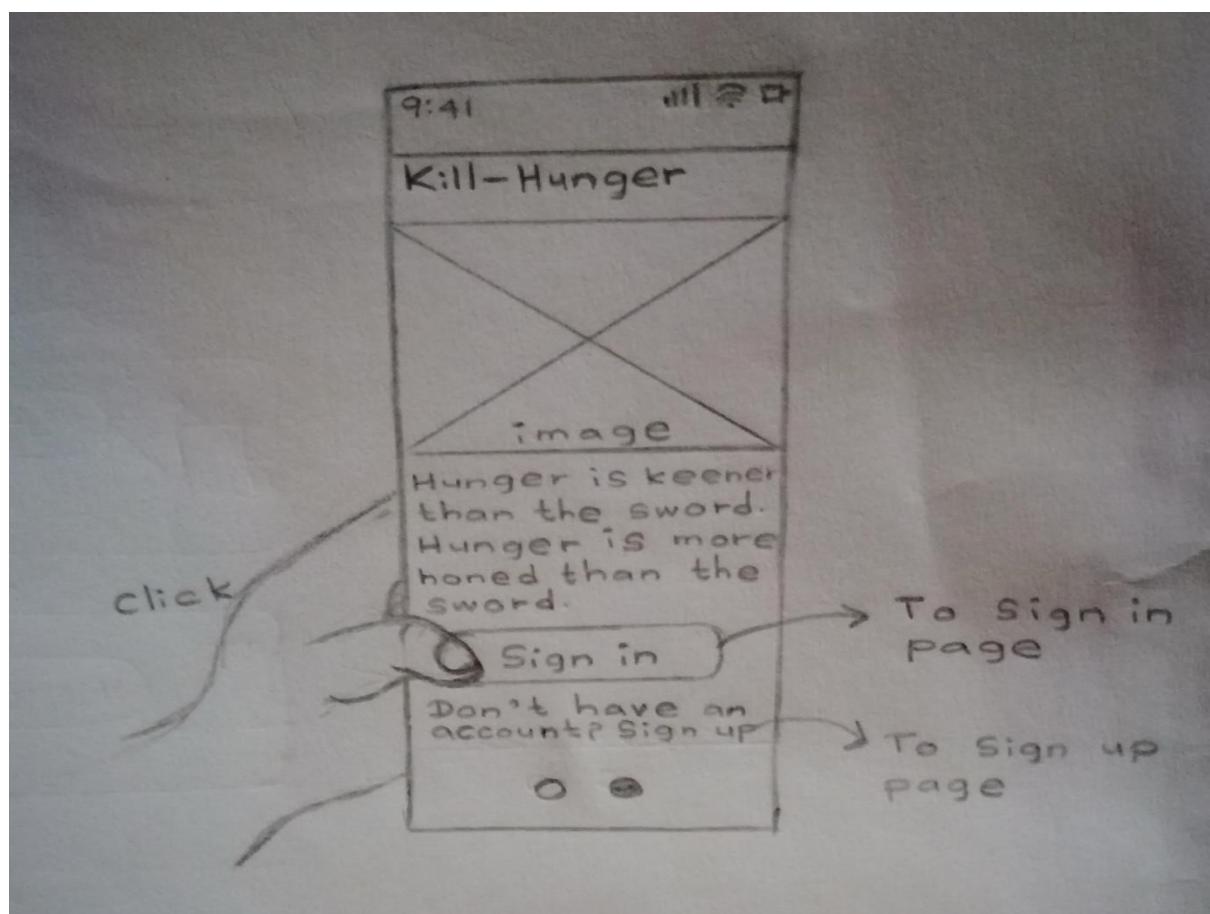


Figure 65 -IT20230692 S.C.S.Arachchi Sketch 2



Figure 66 -IT20230692 S.C.S.Arachchi Sketch 3

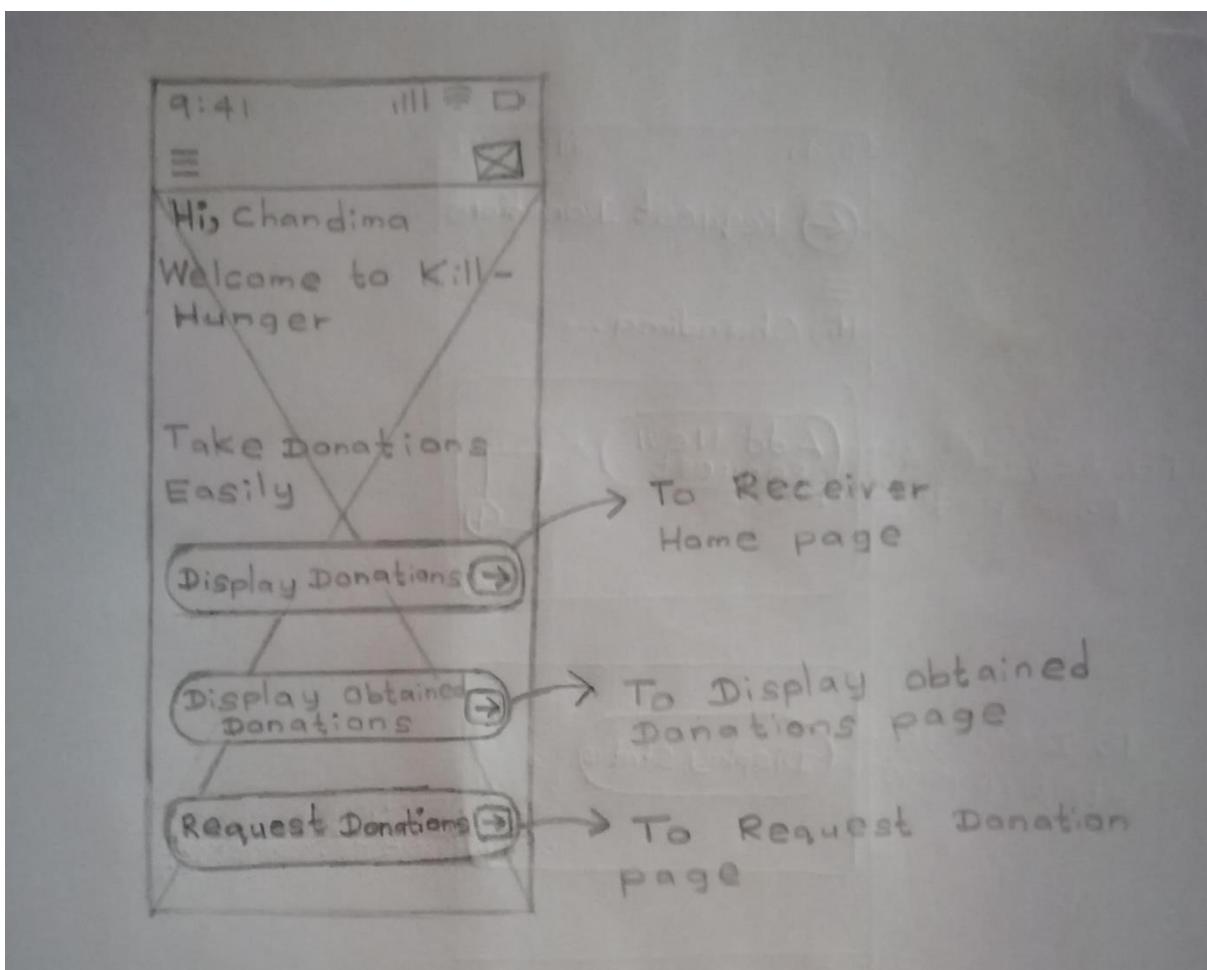


Figure 67 -IT20230692 S.C.S.Arachchi Sketch 4

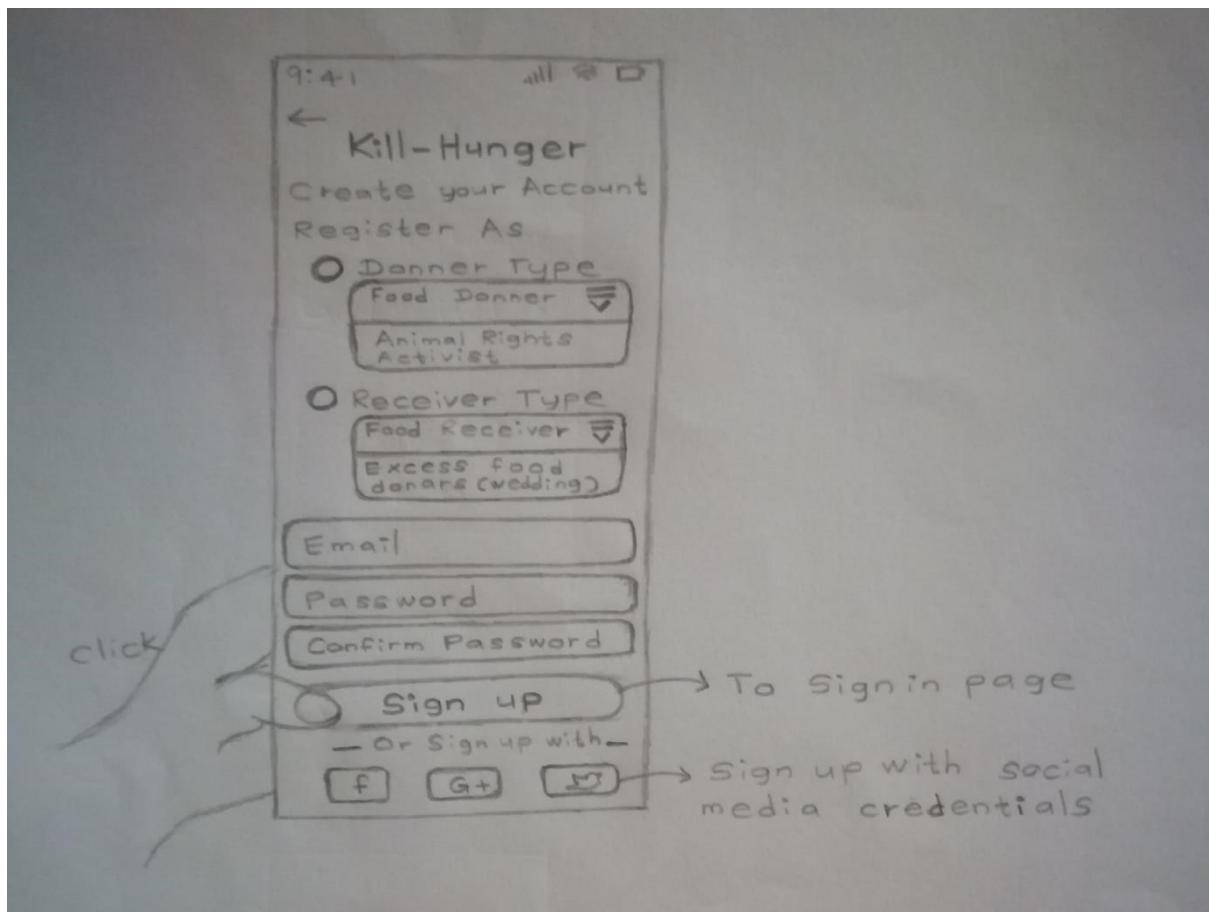


Figure 68 -IT20230692 S.C.S.Arachchi Sketch 5

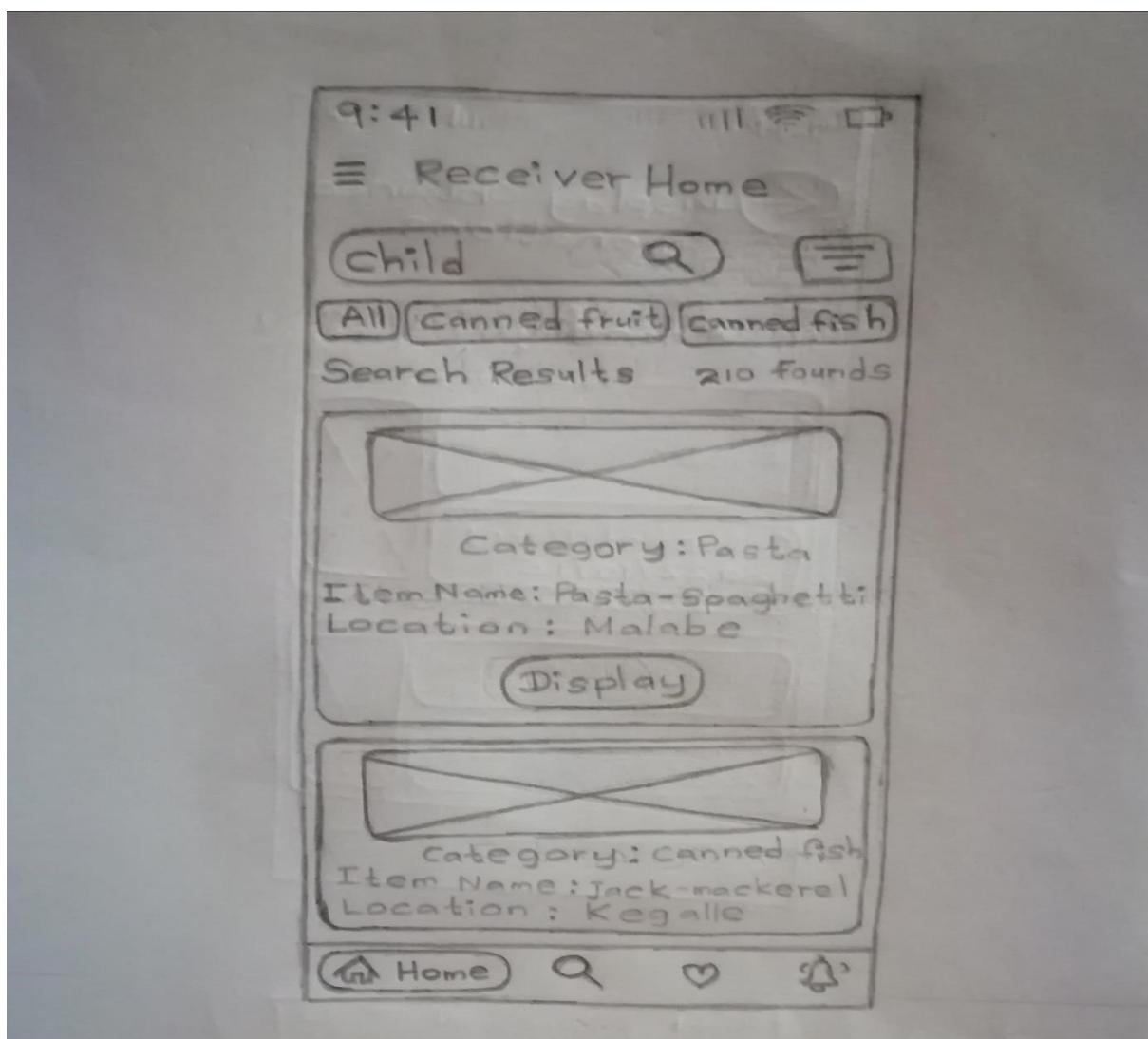


Figure 69 -IT20230692 S.C.S.Arachchi Sketch 6

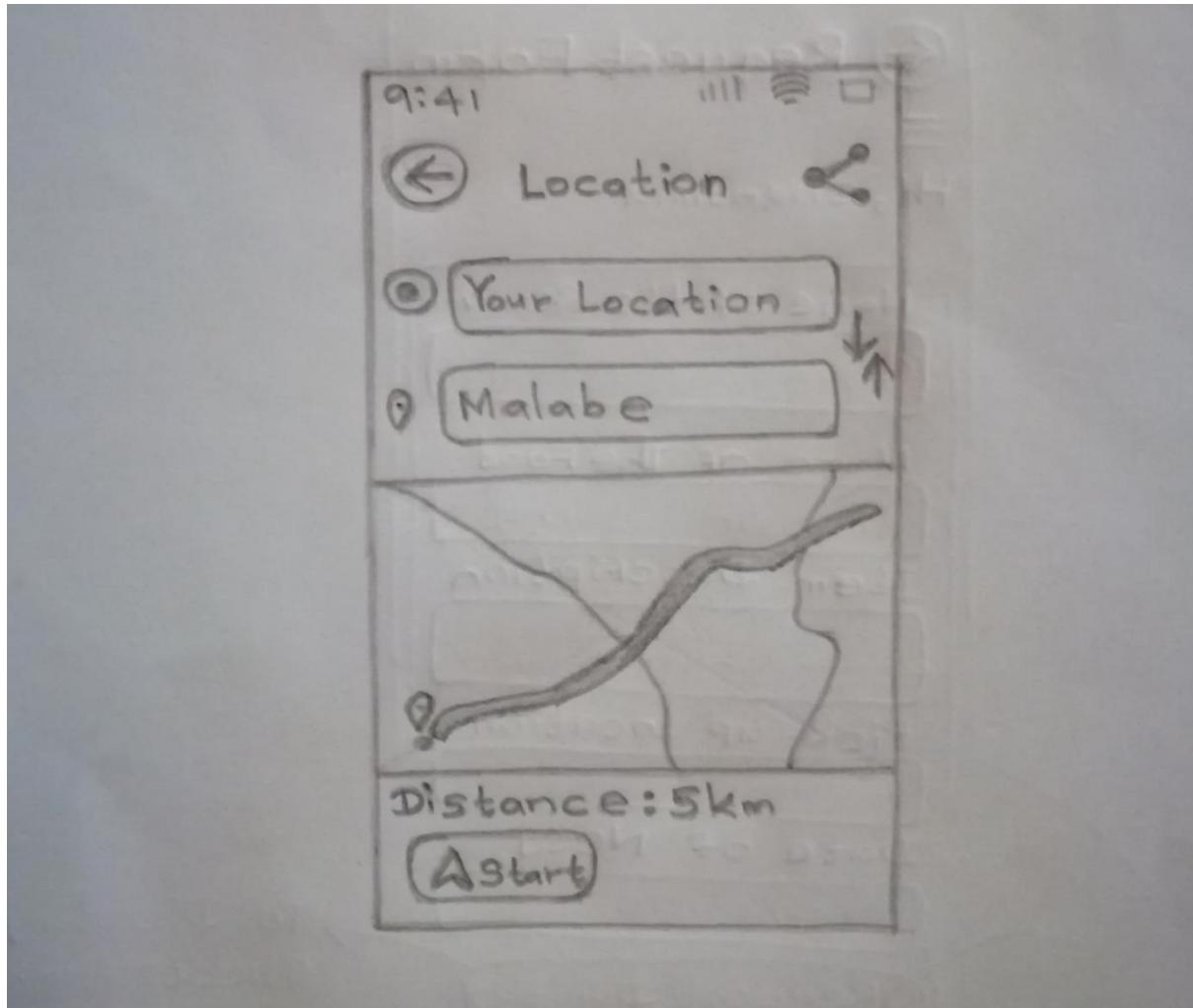
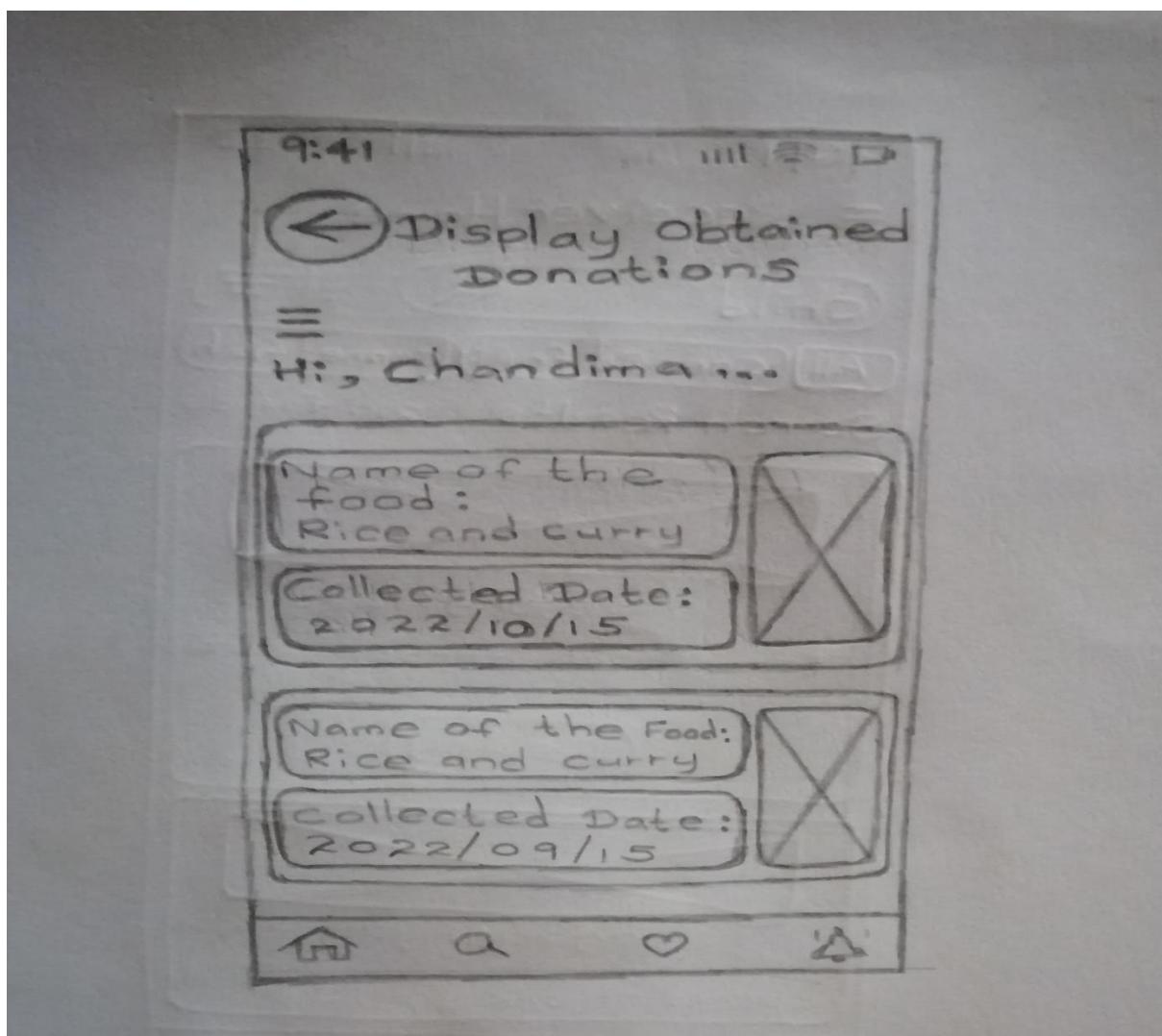


Figure 70 -IT20230692 S.C.S.Arachchi Sketch 7



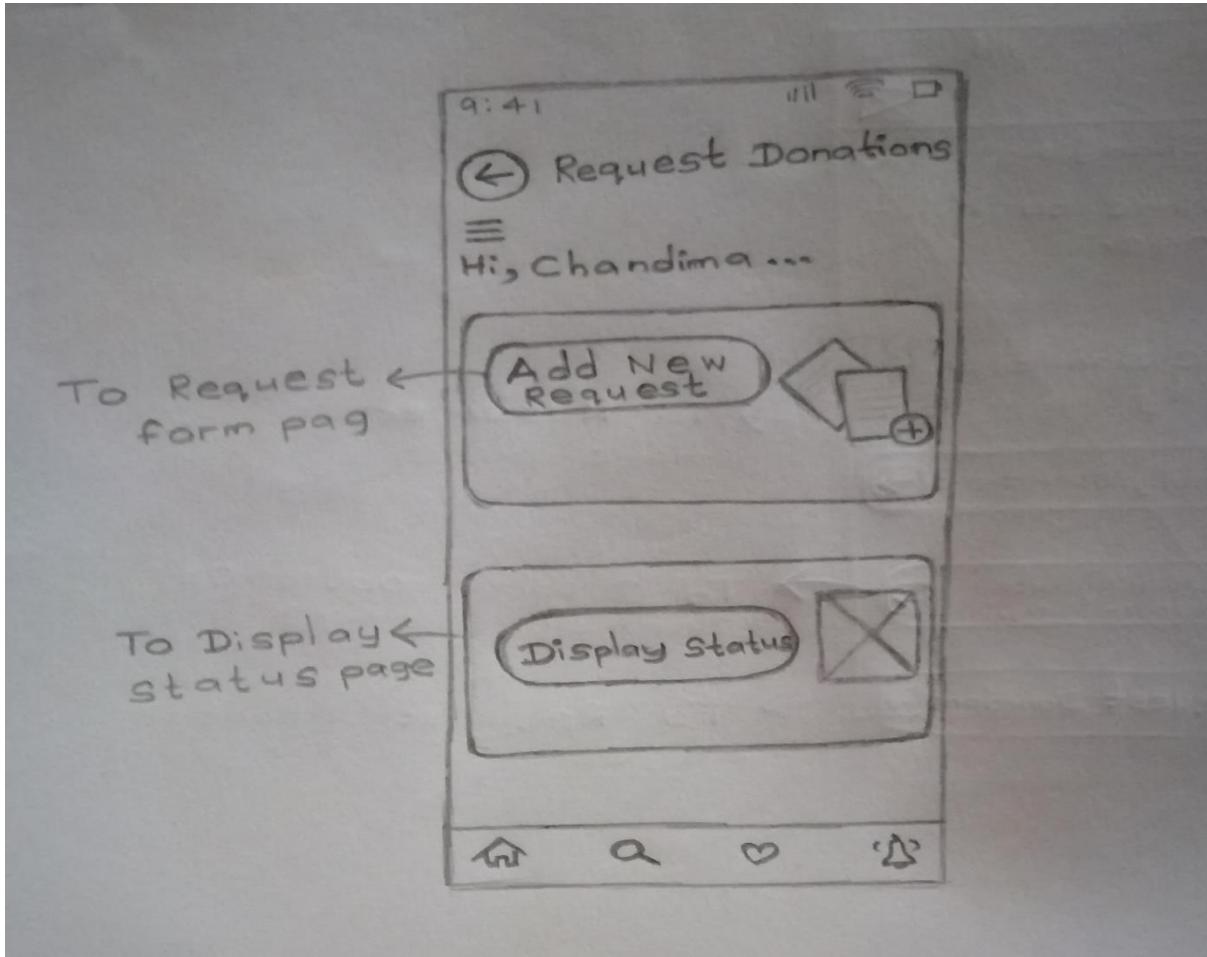
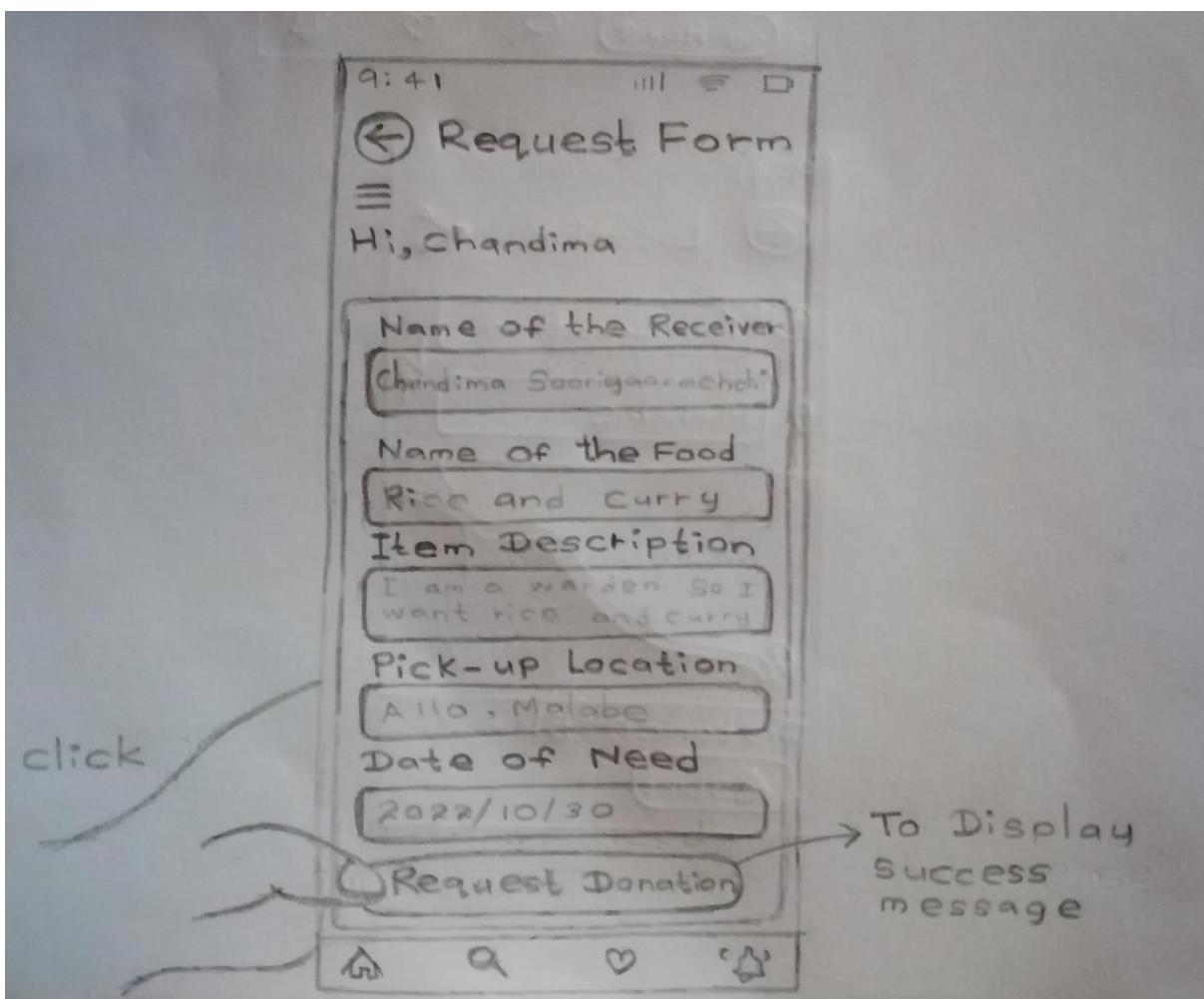


Figure 71 -IT20230692 S.C.S.Arachchi /Sketch 8



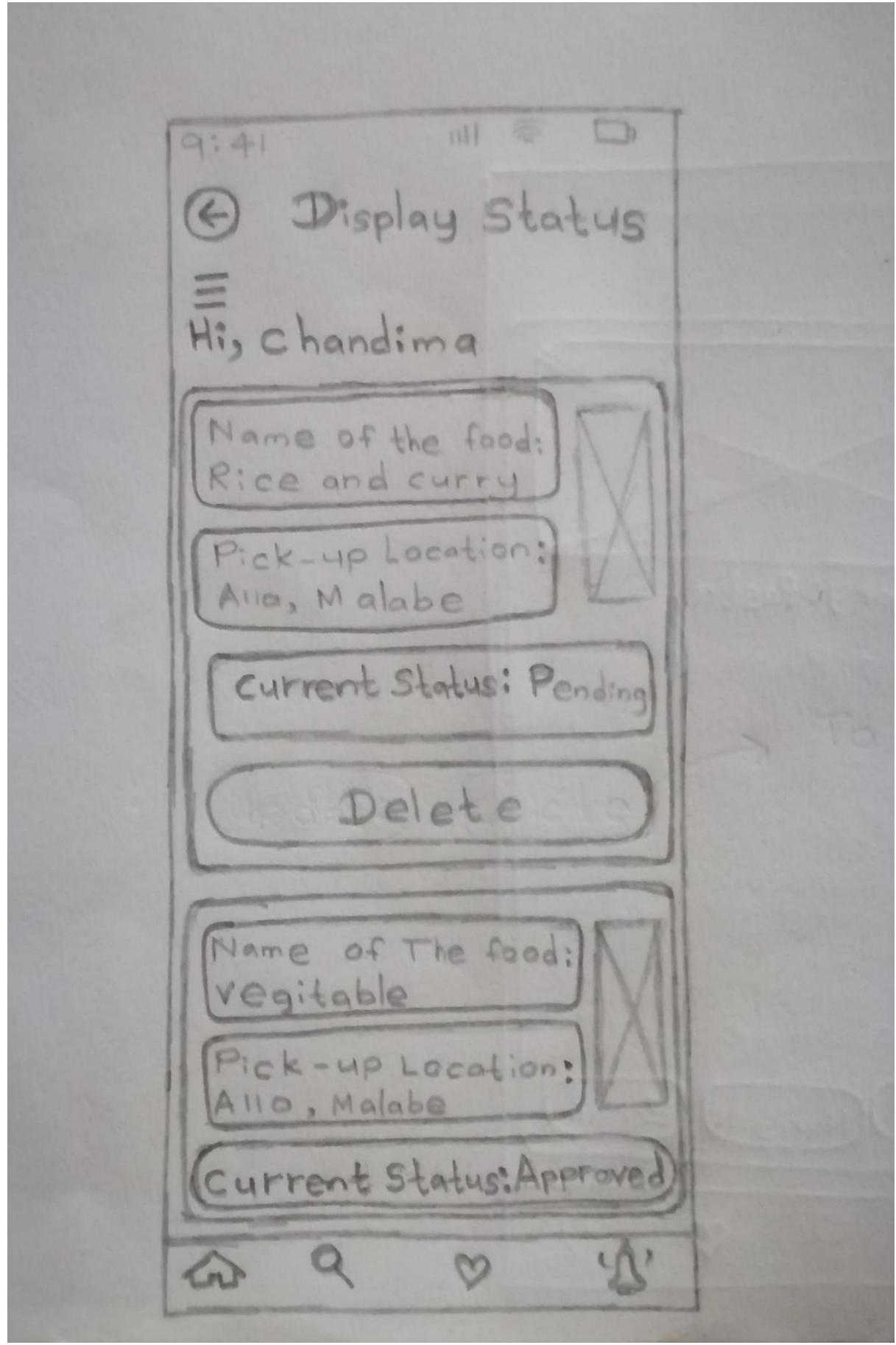


Figure 72 -IT20230692 S.C.S.Arachchi/Sketch 9

Member 3: IT20660352 P.L.P.G.D.S.Wijesooriya

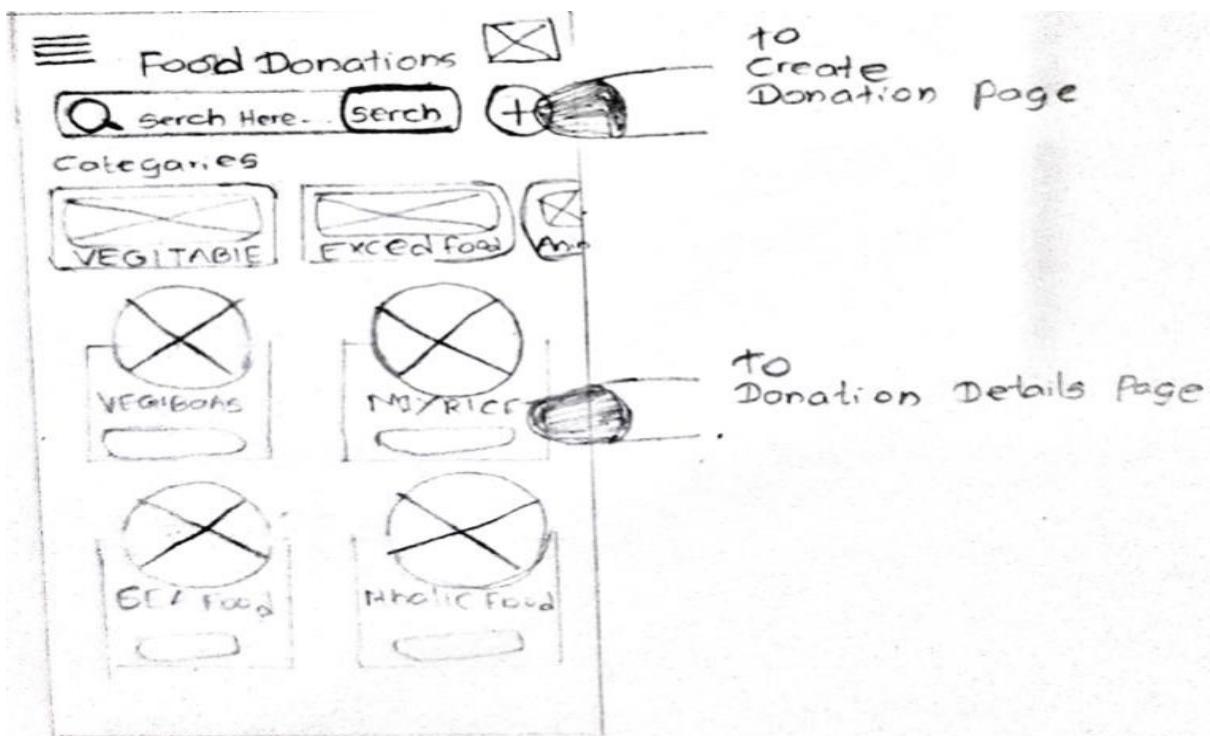


Figure 73 - IT20660352 P.L.P.G.D.S.Wijesooriya/Sketch 1

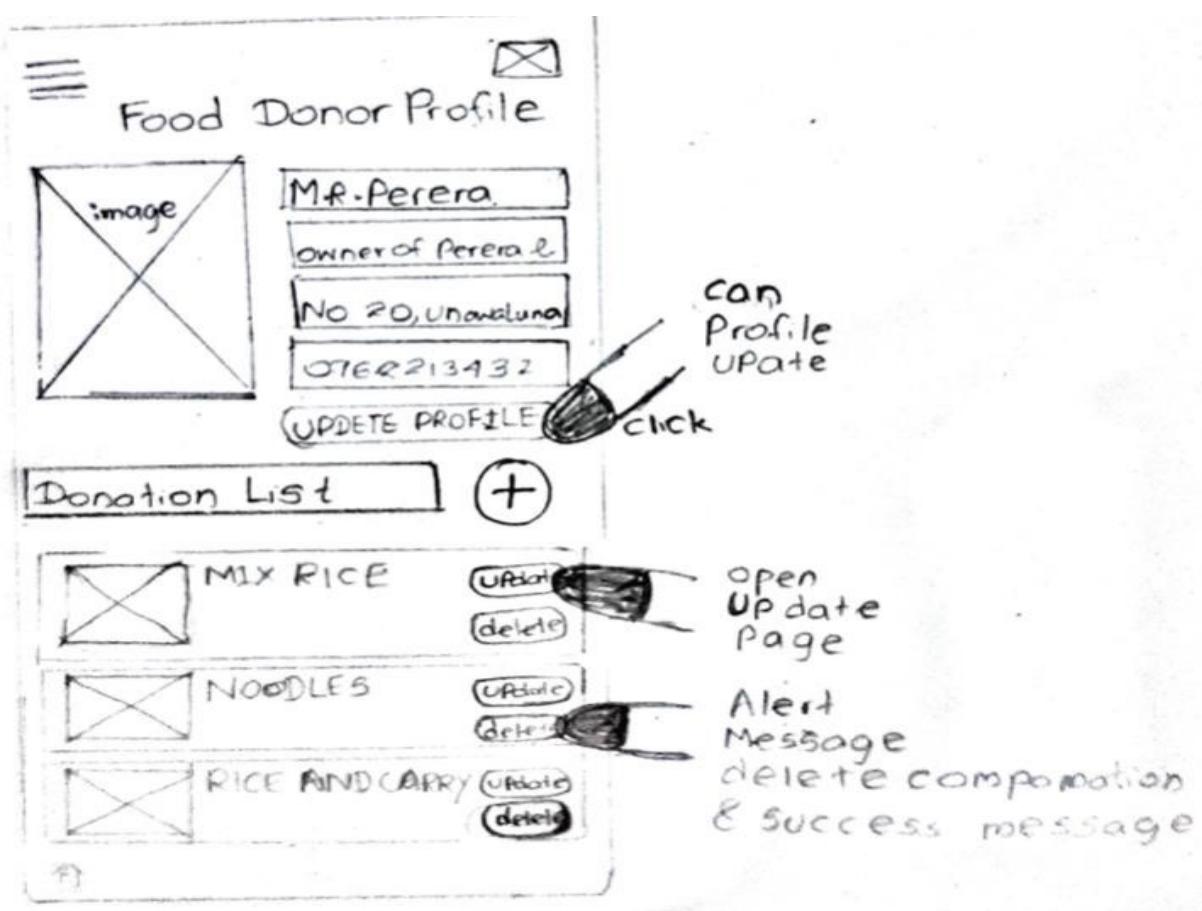


Figure 74 -IT20660352 P.L.P.G.D.S.Wijesooriya/Sketch 2

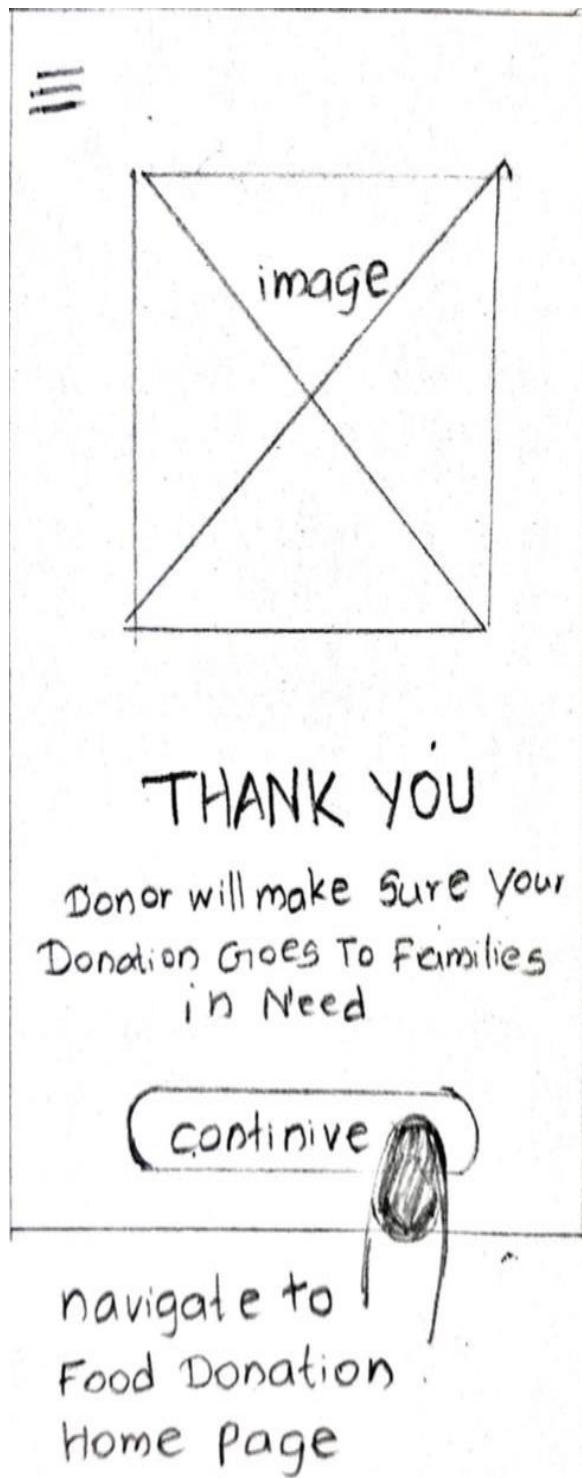


Figure 75 -IT20660352 P.L.P.G.D.S.Wijesooriya/Sketch 3

**Create Donation**

Donate your good Foods

Donater name:

Donate date

Food Catorgy

Donate Quantity

Donate description

image

PUBLISH

**Create Donation + Insert Alert**

**Navigate to Food Donation Home page**

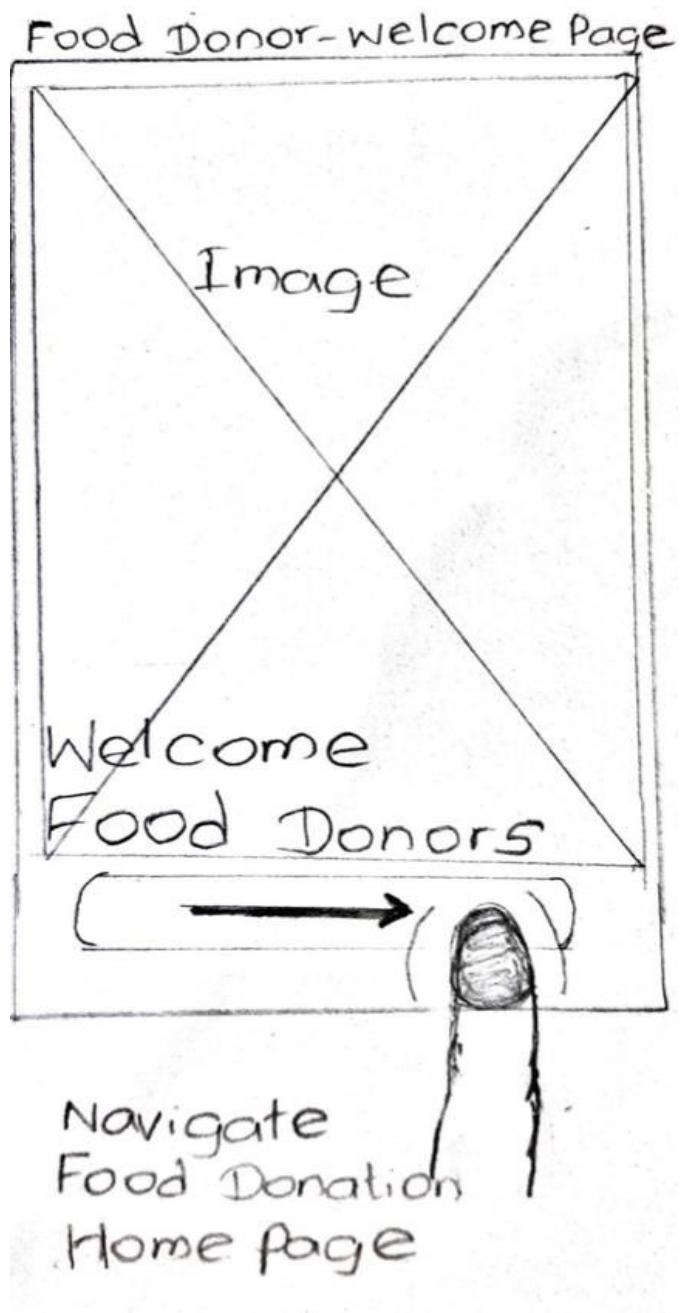
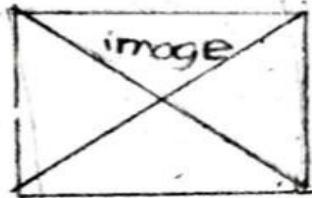


Figure 76 -IT20660352 P.L.P.G.D.S.Wijesooriya/Sketch 4



## Update Donation

Update  
your  
Donations



Donater name:

Donate date

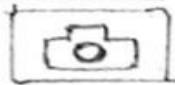
Food catoory

Donate Qunty

Donate description

image



UPdate)



Update  
Donation

Figure 77 -IT20660352 P.L.P.G.D.S.Wijesooriya/Sketch 5

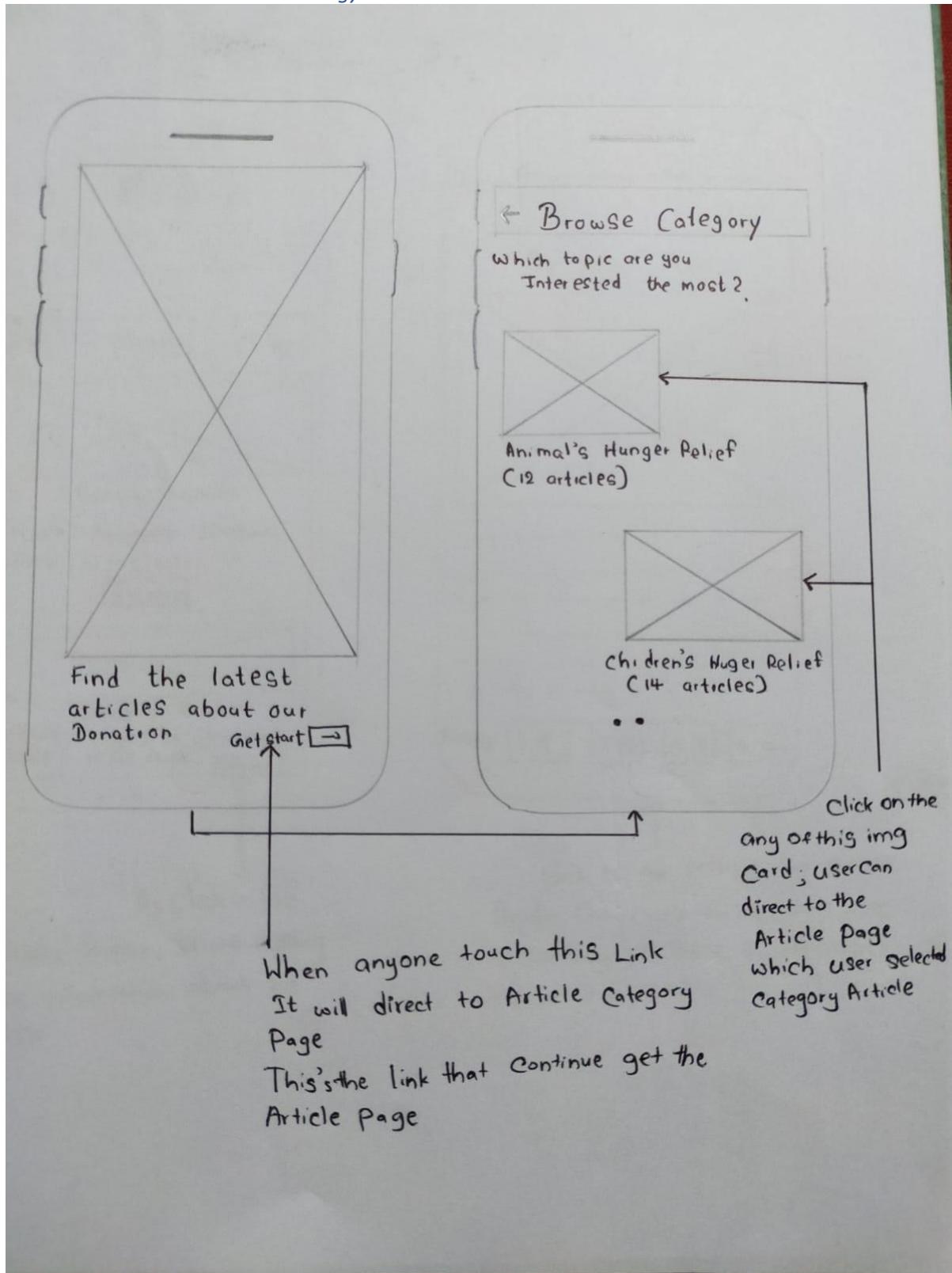


Figure 78 -IT20666538 M.G.W Bhagya /Sketch 1

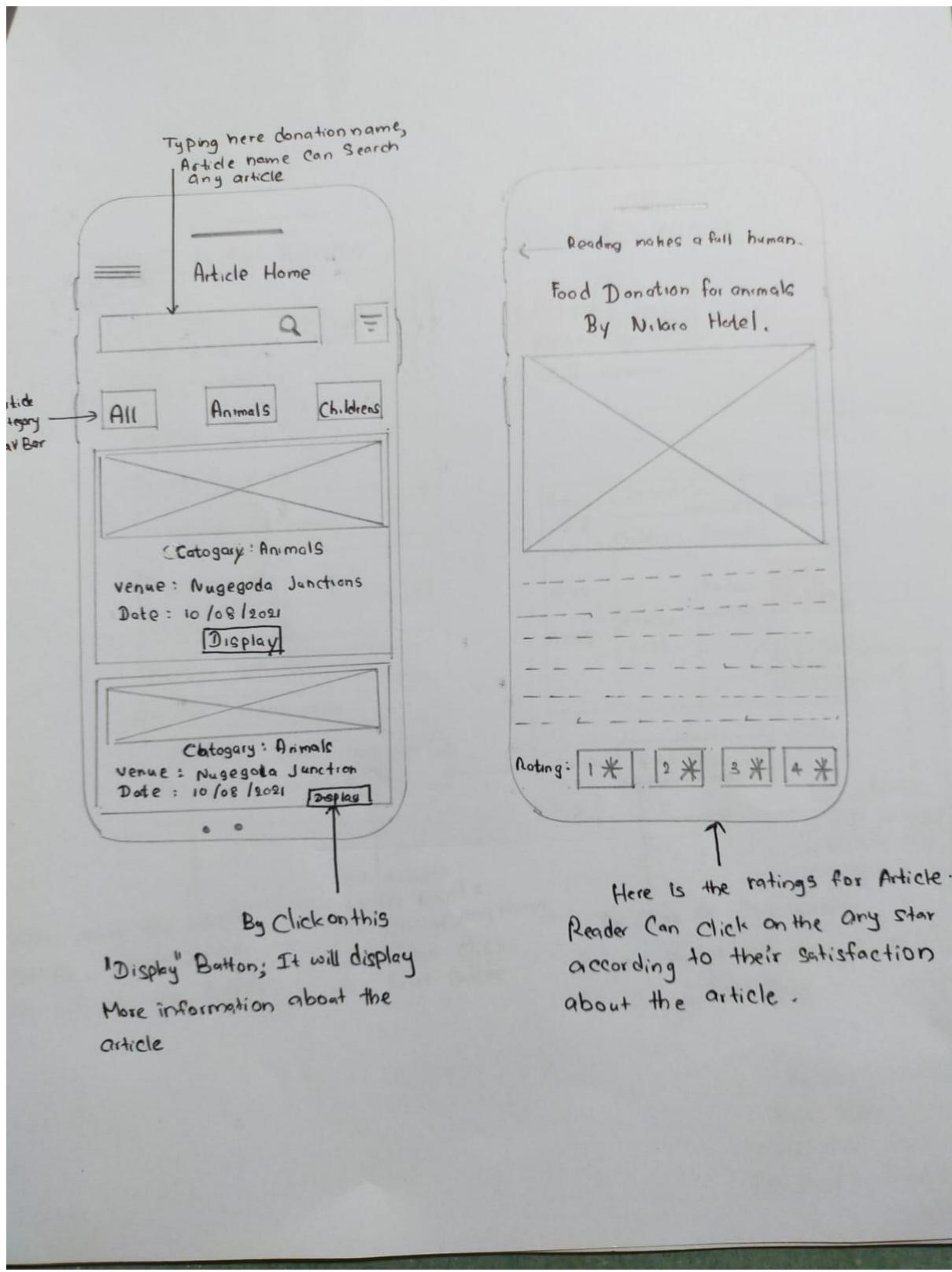


Figure 79 -IT20666538 M.G.W Bhagya /Sketch 2

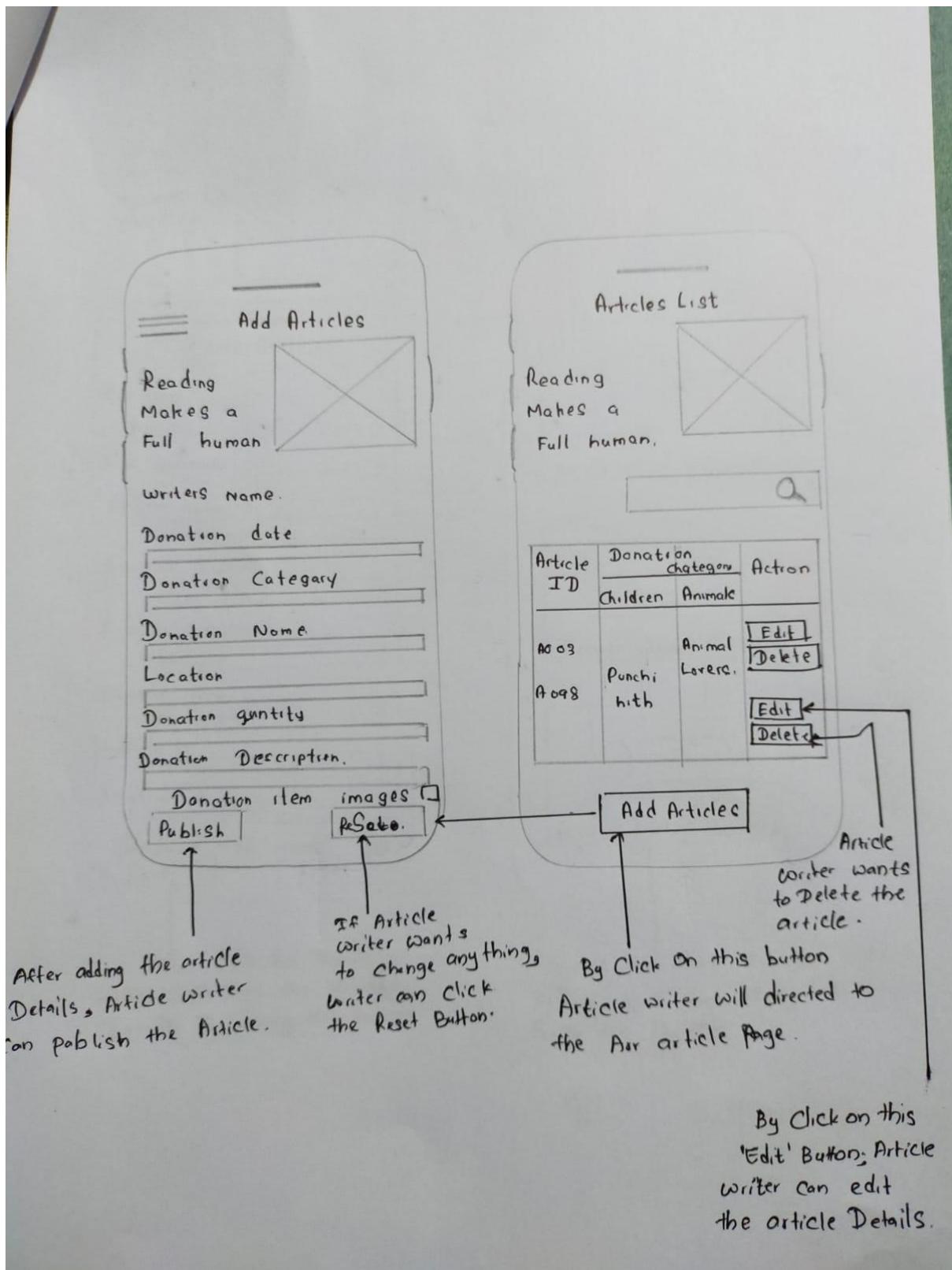


Figure 80 -IT20666538 M.G.W Bhagya /Sketch 3

When Article Writer  
Click on the Edit button;  
System will directed to the  
this page.

↓

Update Articles

Reading  
Makes a full human.

Writer's name - : Animal Loves

Donation Date - : 10-07-2021

Donation Category - : Animals

Donator's Name - : Mr perera

Location - : Nugegoda Junction

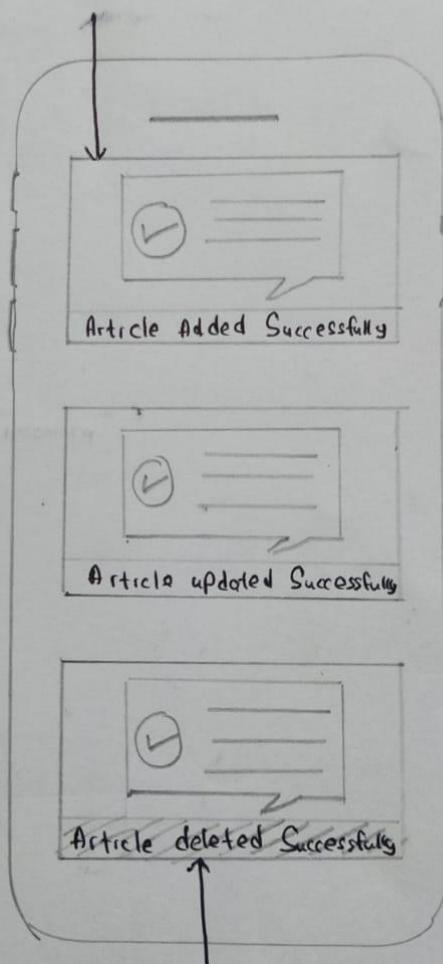
Donation Quantity - : Arrand 100 extra animals

Donation item images :

Save      Reset

After Edit the Details,  
Writer Can Save the updated  
Details by using this button.

This is the Alert will get, After Article was successfully inserted to the System.



This is the alert will get, after Article was successfully deleted from the System.

Figure 81 -IT20666538 M.G.W Bhagya /Sketch 4

# User Interfaces

IT20137250 Rajapaksha R.C.P.

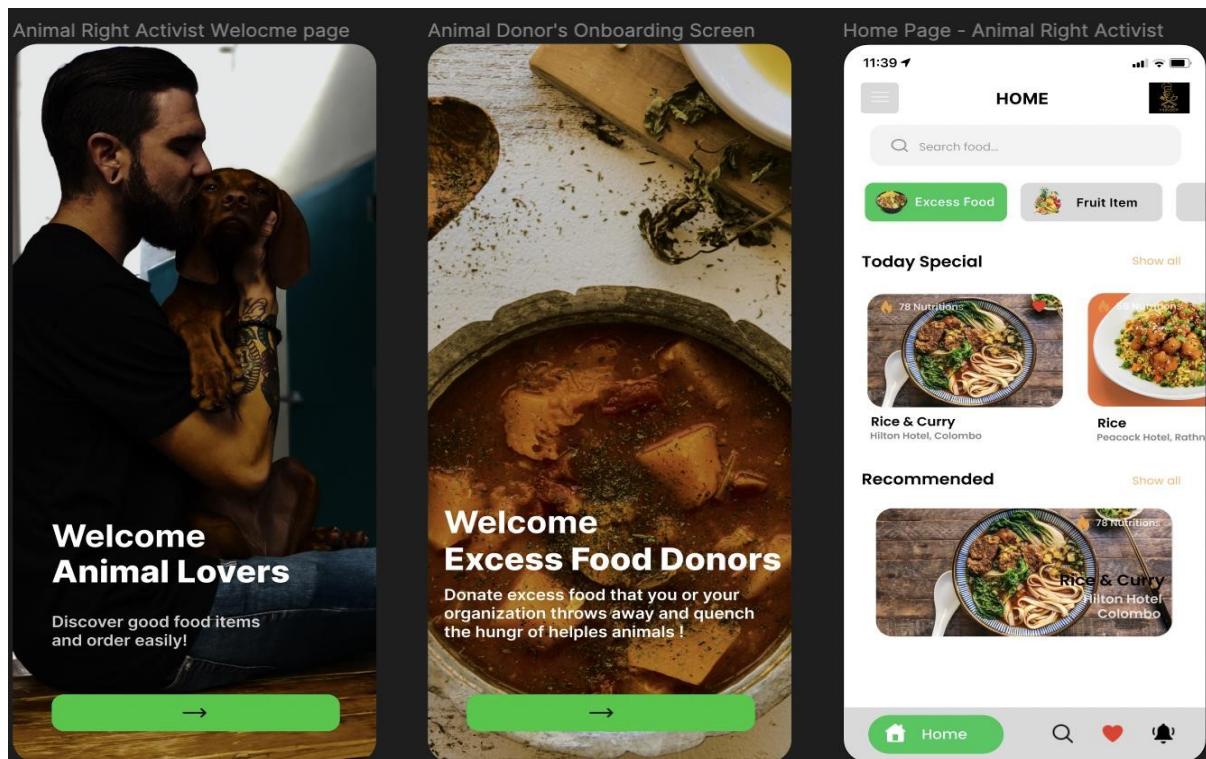


Figure 82 -IT20137250 User Interfaces 1

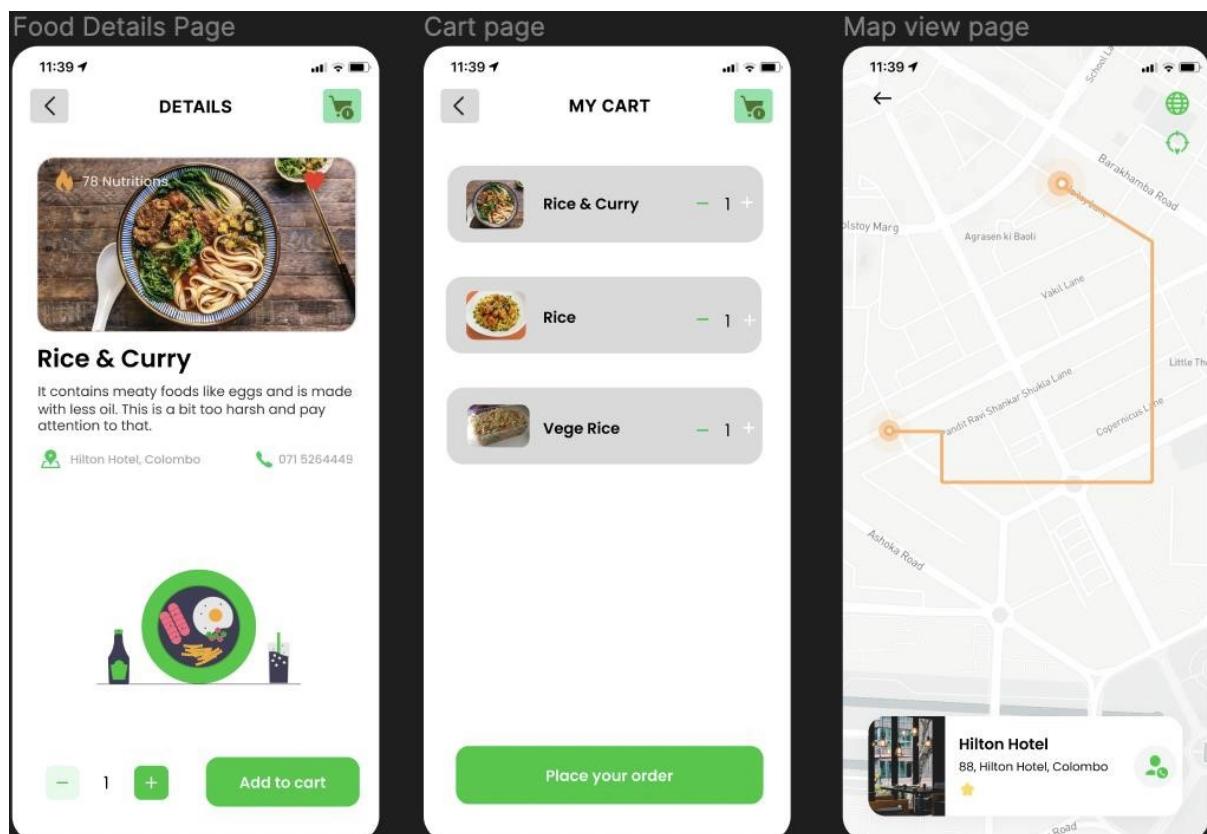
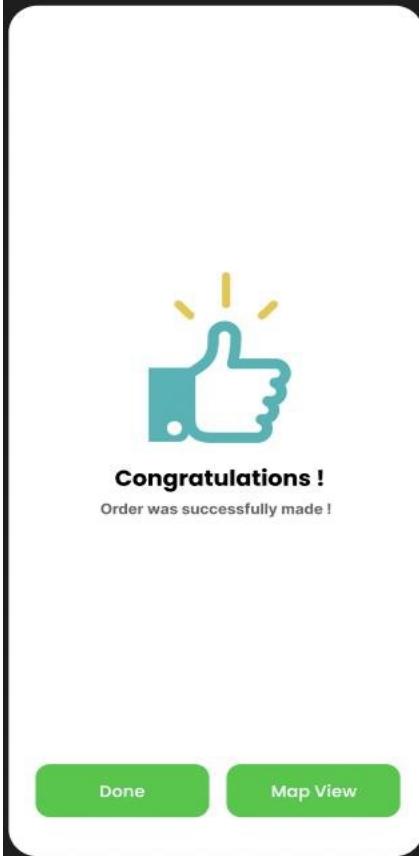


Figure 83 -IT20137250 User Interfaces 2

Order Success Screen



Thank you Screen

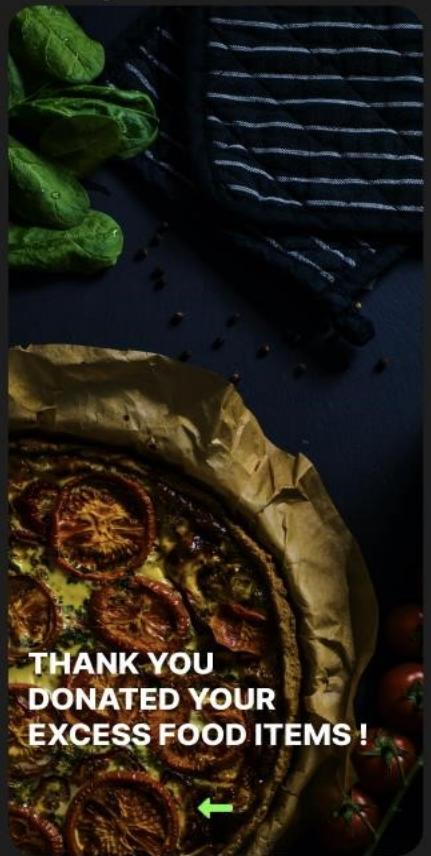
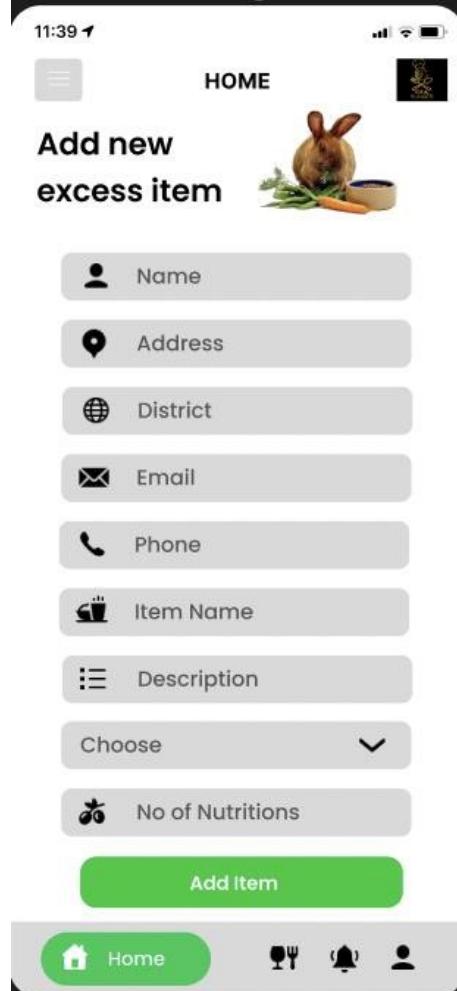
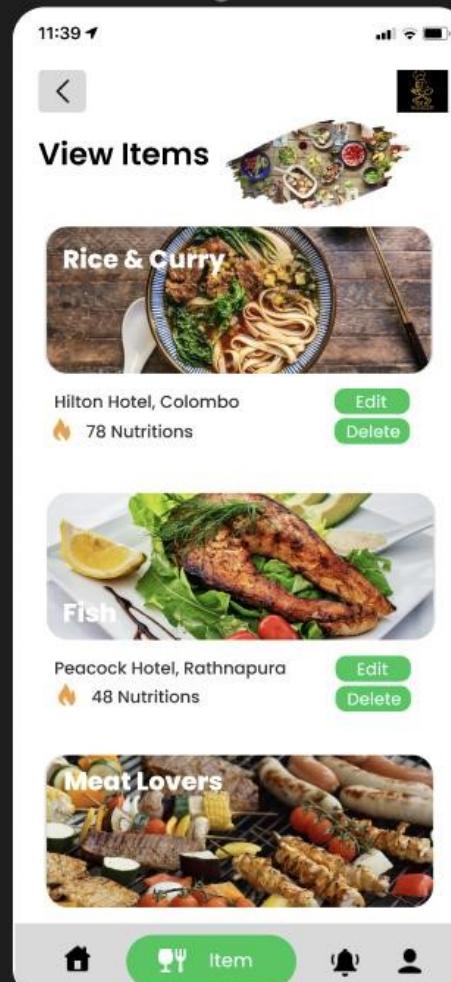


Figure 84 -IT20137250 user Interfaces 3

Donor Home Page



Item View Page - Donor



Update Item Page

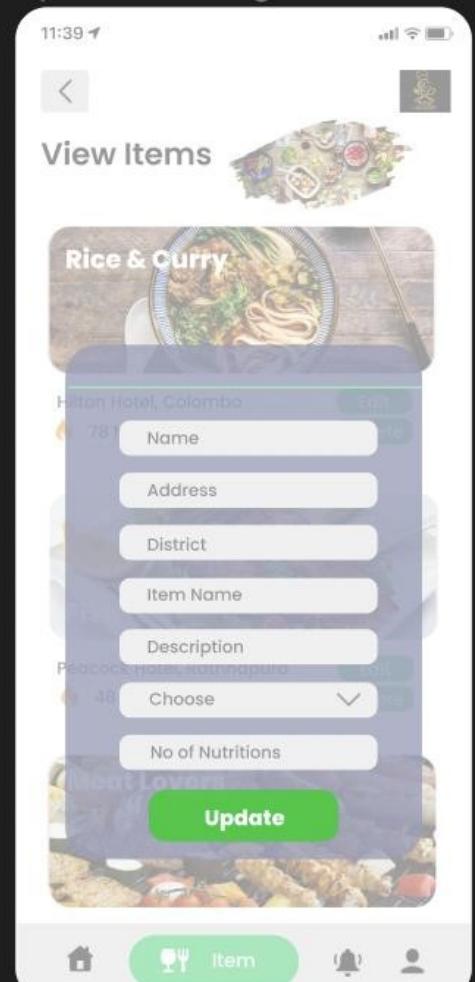


Figure 85 -IT20137250 User Interfaces 4

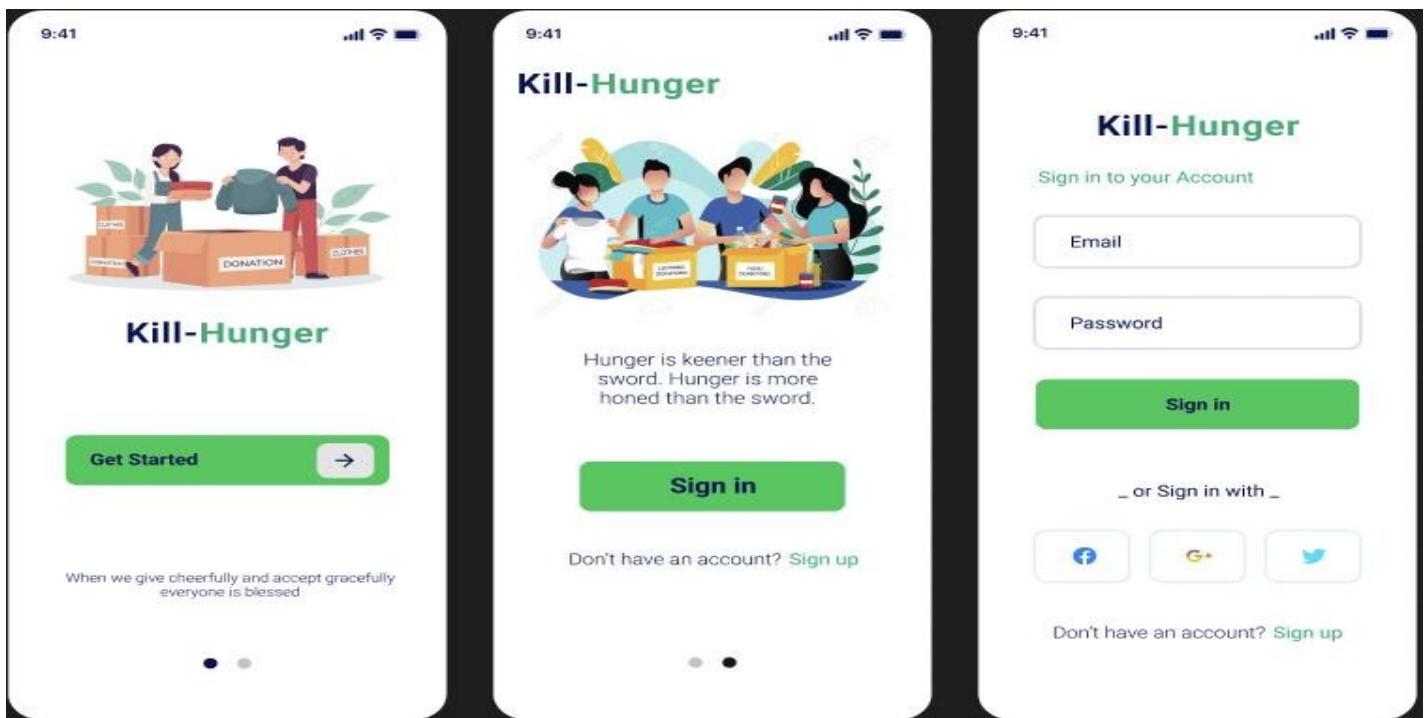


Figure 86 - IT20230692 User Interfaces 1

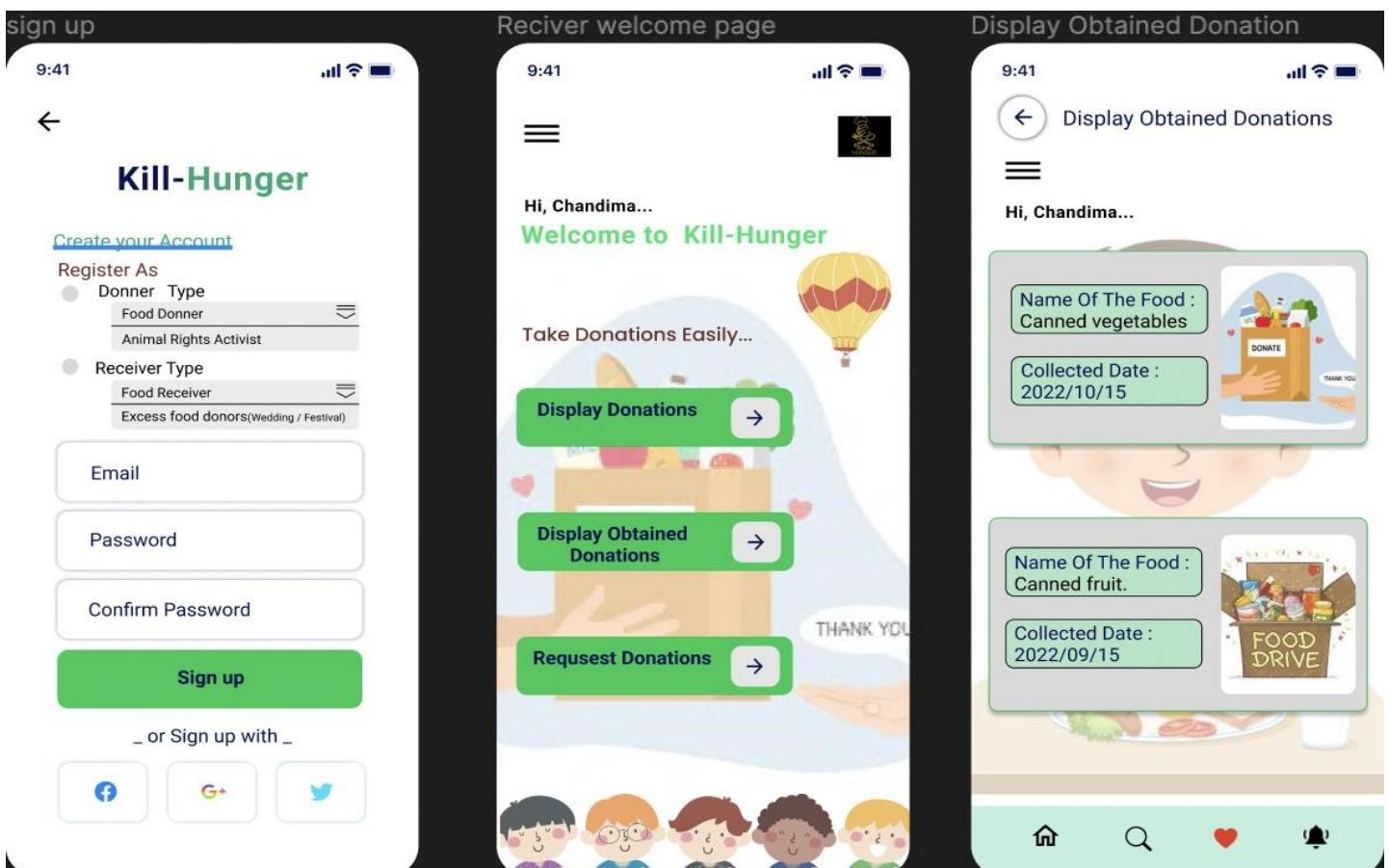


Figure 87 - IT20230692 User Interface 2

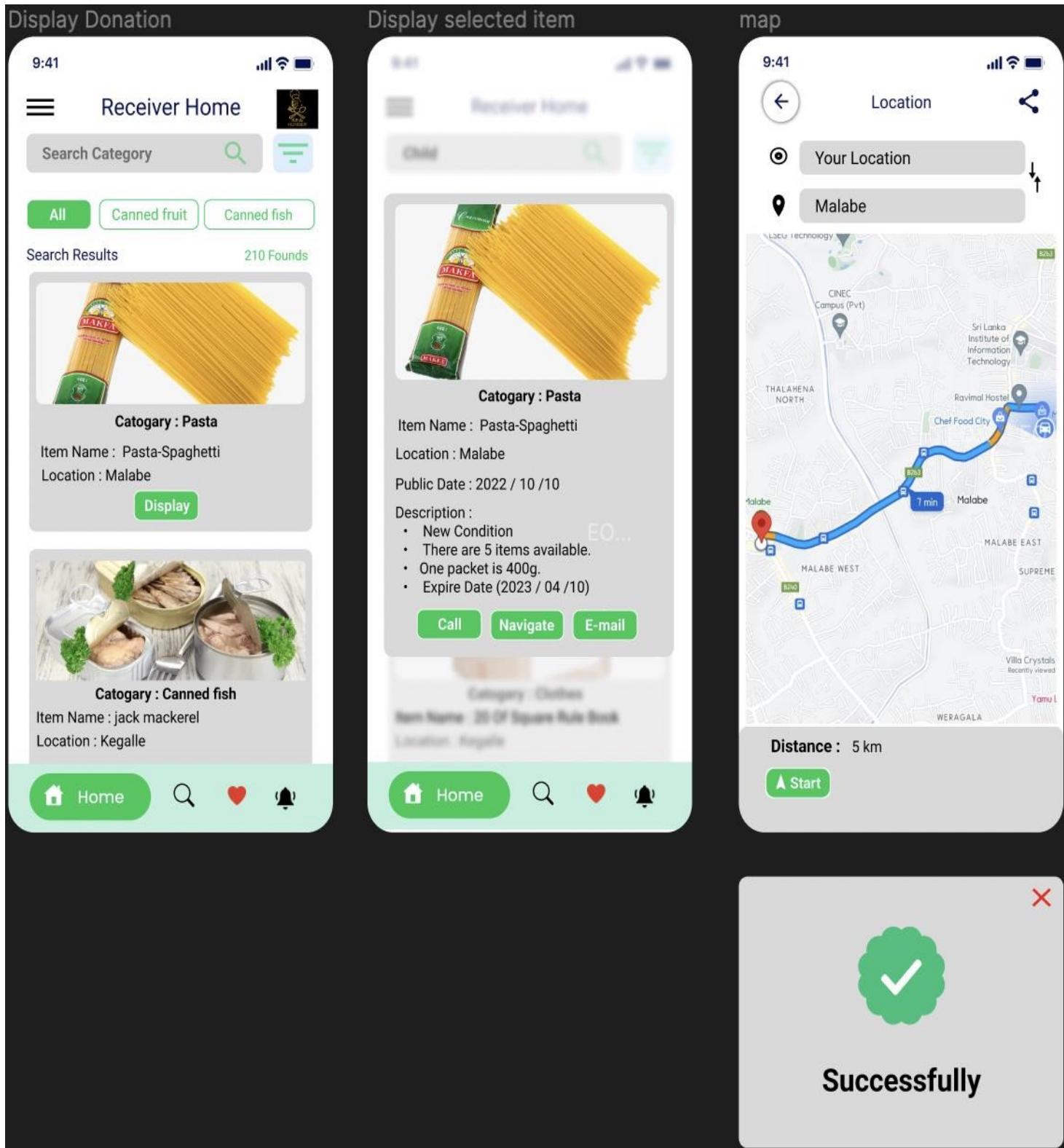


Figure 88 - IT20230692 User Interfaces 3

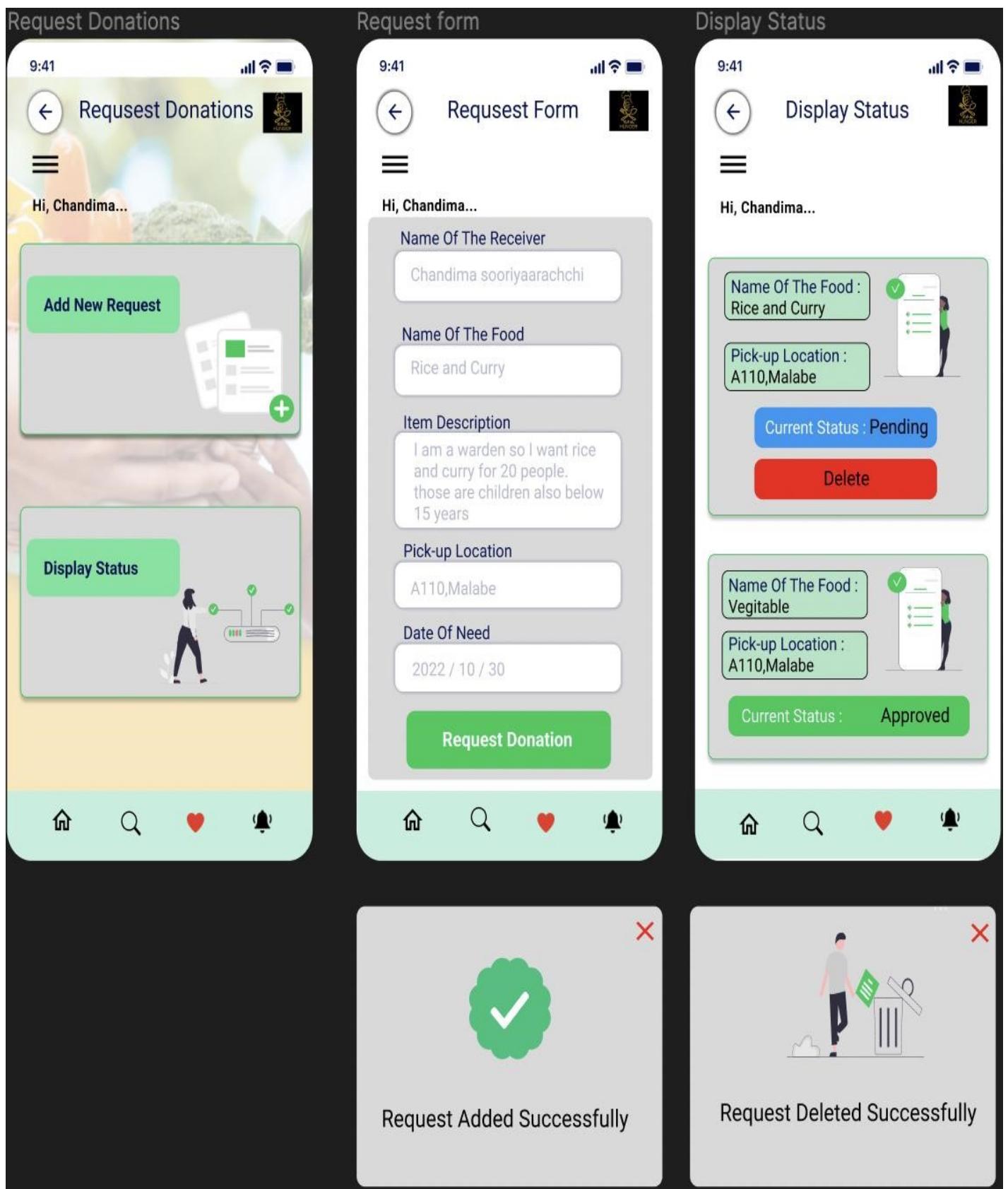


Figure 89 -IT20230692 UserInterfaces 4

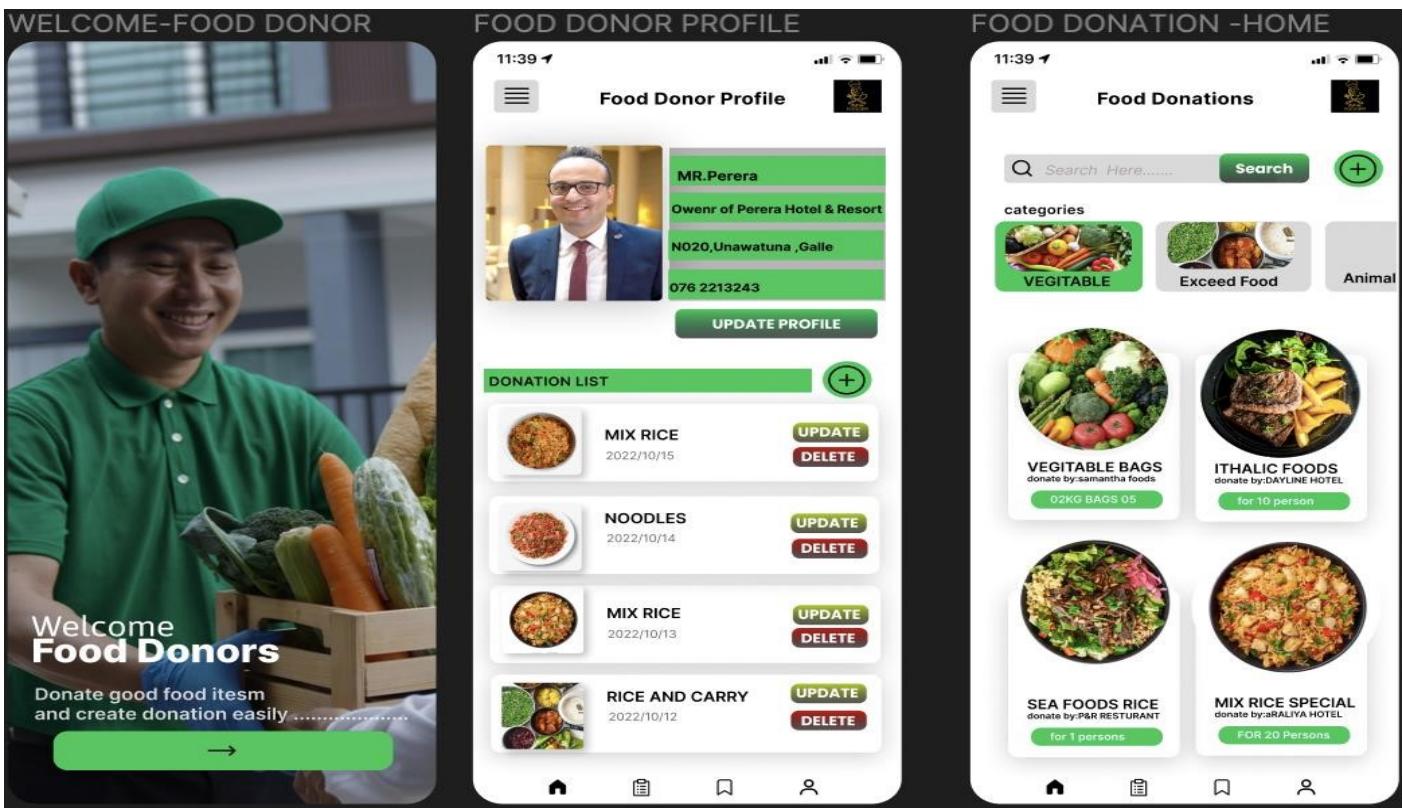


Figure 90 -IT20660352 User Interfaces 1

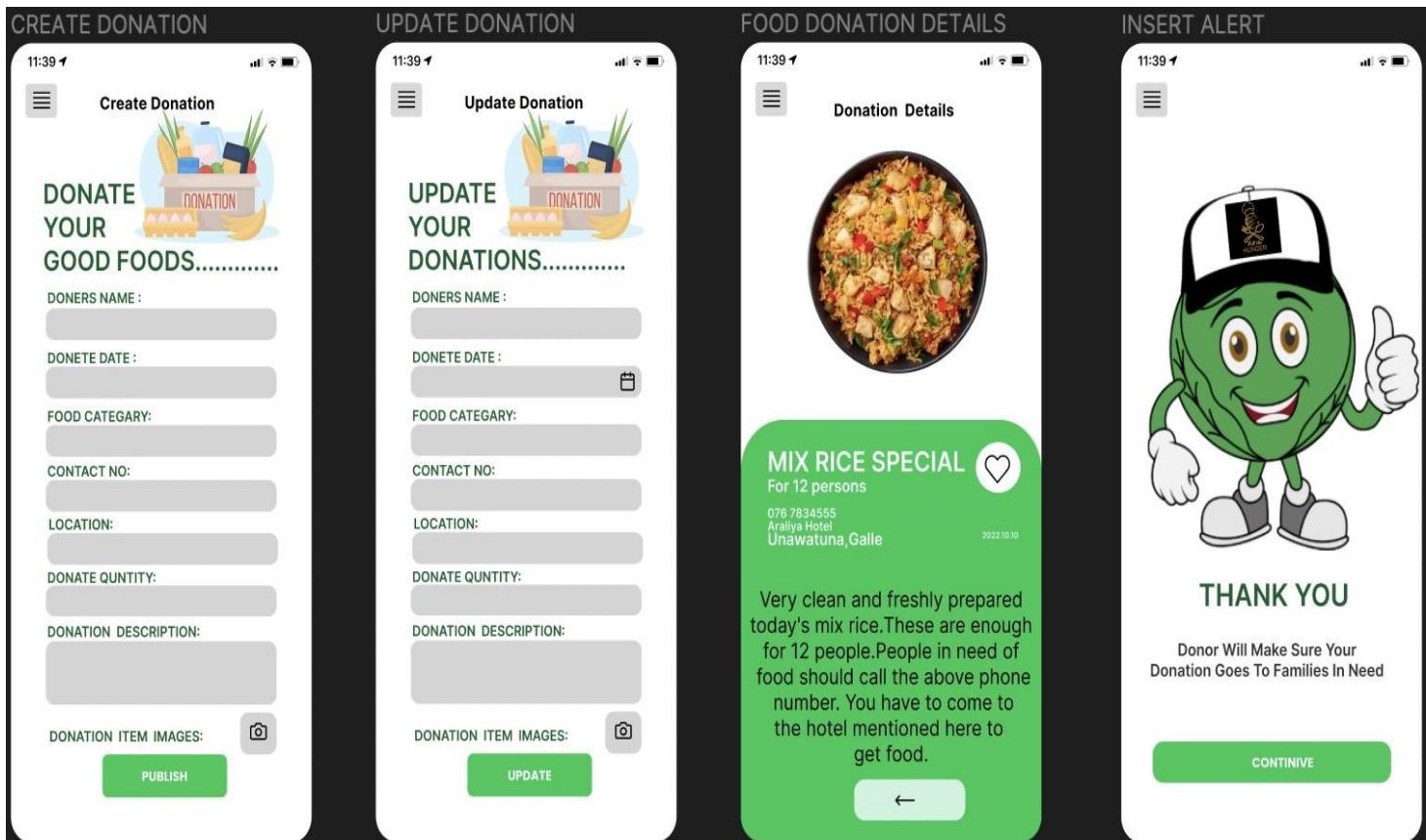


Figure 91 -IT20660352 User Interfaces 2

**Article home page**

**Select Category page**

**display all the articles page**

**See more article page**

**Article list view page**

**Add Article page**

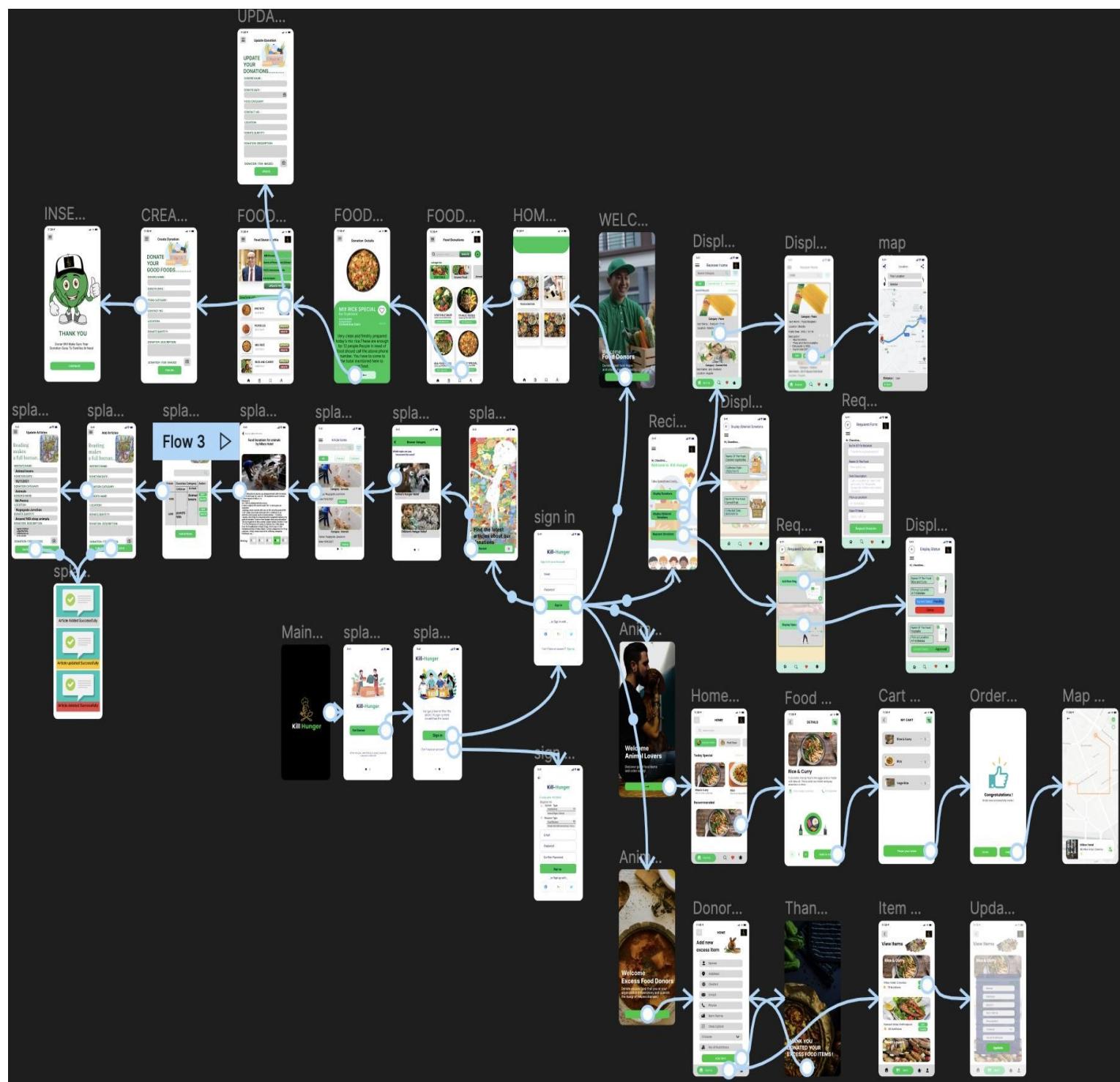
**Article update page**

**alert mags page**

Figure 92 - IT20666538 User Interfaces

# Prototypes

<https://www.figma.com/file/LjSeeyGJN5UdG93COjctQq/Rocket-Department?nodeid=307%3A2>



**Figure 93 -Proto Type 01**

## Evidence

Proto-type Link:

<https://www.figma.com/file/LjSeeyGJN5UdG93COjctQq/Rocket-Department?nodeid=307%3A2>

Form Link:

[https://docs.google.com/forms/d/15g8iNfmyMsNlrpibP-L9w4\\_ryxzOiMA8tXli0eiaeYU/edit](https://docs.google.com/forms/d/15g8iNfmyMsNlrpibP-L9w4_ryxzOiMA8tXli0eiaeYU/edit)

## Individual Contribution

Table 3 - Individual Contributions

	<ul style="list-style-type: none"> <li>• Contributed to draw sketches (Onboarding page/welcome page/Home page/ Food Details Page/Cart page/map view page/order success screen/thank you screen/ Donor Home Page/ Item View Page - Donor/ Update Item Page) for animal lovers function</li> <li>• Contributed to draw wireframes (Onboarding page/welcome page/Home page/ Food Details Page/Cart page/map view page/order success screen/thank you screen/ Donor Home Page/ Item View Page - Donor/ Update Item Page) for animal lovers function</li> </ul>
Member 1: IT20137250 Rajapaksha R.C.P	<ul style="list-style-type: none"> <li>• Contributed to build the prototype</li> <li>• Contributed to draw sketches (Onboarding page/welcome page/Home page/ Sign-in, Sign-up page/Reciver welcome page/ Display Obtained Donation/ Display Donation/ Display selected item/map/ Request Donations/Request form/Display status) for children's hunger page</li> <li>• Contributed to draw wireframes (Onboarding page/welcome page/Home page/ Sign-in, Sign-up page/Reciver welcome page/ Display Obtained Donation/ Display Donation/ Display selected item/map/ Request Donations/Request form/Display status) for children's hunger page</li> </ul>
Member 2:IT20230692 S.C.S.Arachchi	<ul style="list-style-type: none"> <li>• Contributed to build the prototype</li> <li>• Contributed to draw sketches (Welcome-Food Donor / Food Donor Profile / Food Donation -Home / Create Donation/ Update Donation/ Food Donation Details/ Insert Alert)for hotel owners</li> <li>• Contributed to draw wireframes Welcome-Food Donor / Food Donor Profile / Food Donation -Home / Create Donation/ Update Donation/ Food Donation Details/ Insert Alert)for hotel owners</li> </ul>
Member 3: IT20660352 P.L.P.G.D.S.Wijesooriya	<ul style="list-style-type: none"> <li>• Contributed to build the prototype</li> <li>• Contributed to draw sketches (Article home page / Select Category page / display all the articles page / See more article page/ Article list view page/ Add Article page/ Article update page/ alert mags page)for articles.</li> <li>• Contributed to draw wireframes (Article home page / Select Category page / display all the articles page / See more article page/ Article list view page/ Add Article page/ Article update page/ alert mags page)for articles.</li> </ul>
Member 4: IT20666538 M.G.W Bhagya	<ul style="list-style-type: none"> <li>• Contributed to build the prototype</li> </ul>

## 9 Milestone 5: Wireframes, Prototype

This is where you showcase all the prototypes (low-fidelity and high-fidelity). Include as many significant low-fidelity designs as you developed. i.e., links to your Figma website.

### 9.1 Design 1

#### User Feedbacks

We provided a google form to get feedbacks about user interface which we have created for our Mobile application, and we got some feedbacks through that google form.

Below snapshots show those feedbacks.

*Get started Page & Login Page:*

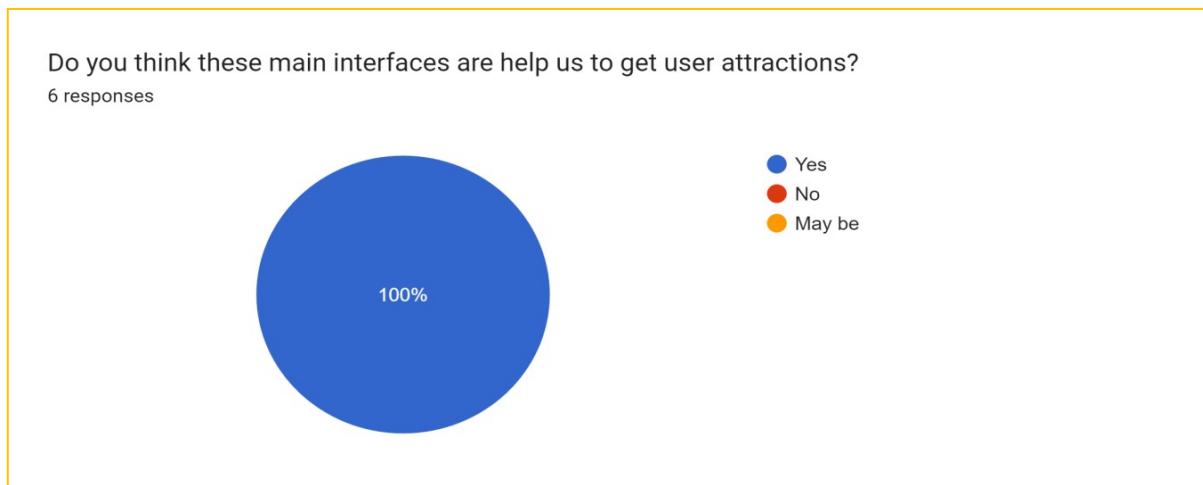


Figure 94 - User FeedBack Survey Q1 And response

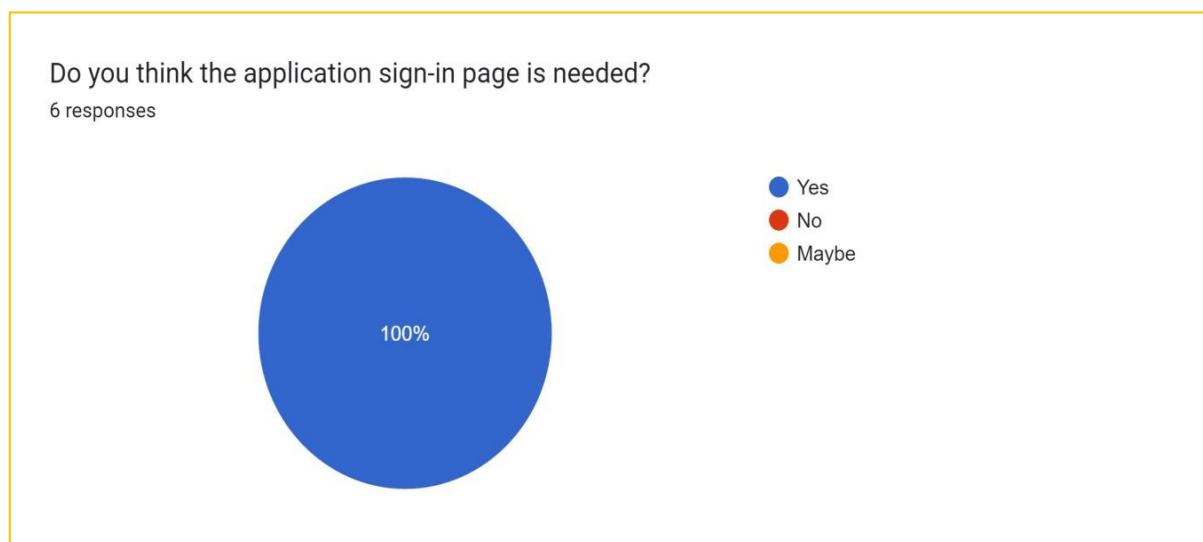


Figure 95 -User FeedBack Survey Q2 And response

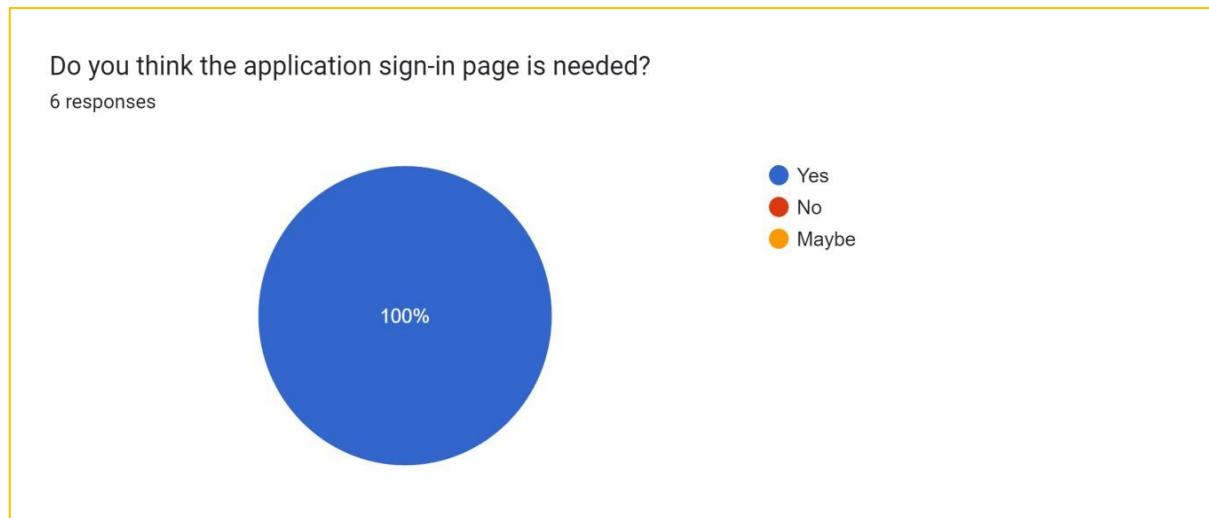


Figure 96 -User FeedBack Survey Q3 And response

If it's not suitable,What can you Suggest for make application makes better?

0 responses

No responses yet for this question.

You're Feedback about application Front Interfaces?

6 responses

Good

If there were some onboard screens, the user could know more about what is happening with the app.

Excellent

Interfaces are overall good

Its a good interface for get user attractions.

Figure 97 -User FeedBack Survey Q4 And response

***Children's Hunger:*** The issue that application has chosen to examine is child hunger. We became interested in this issue by always seeing the commercials on television advertising child hunger and how we could help provide food for children who do not have access to food. Child hunger affects approximately seventeen million children, that works out to about one in every five children go hungry at some point during the year.

What do you think about children's food donations home page?

6 responses

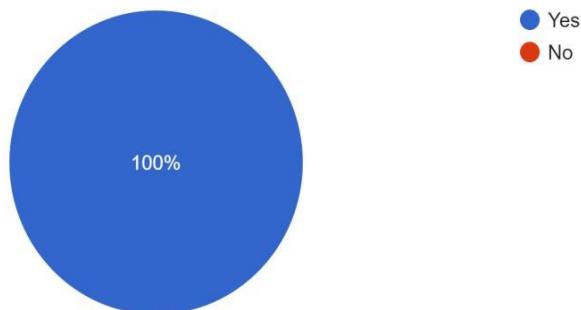


Figure 98 -User FeedBack Survey Q5 And response

What do you think about the navigations buttons that user use to direct to the relevant page they want?

6 responses

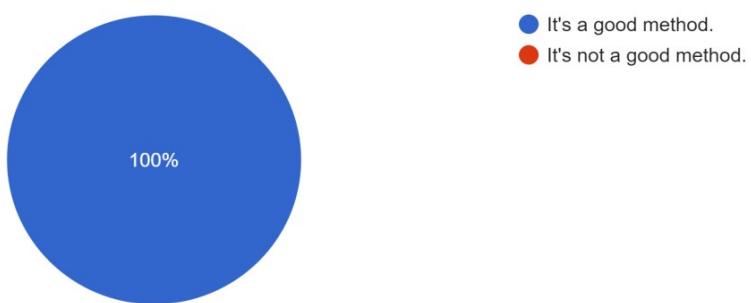


Figure 99 -User FeedBack Survey Q6 And response

What do you think about the receiver home page?

6 responses

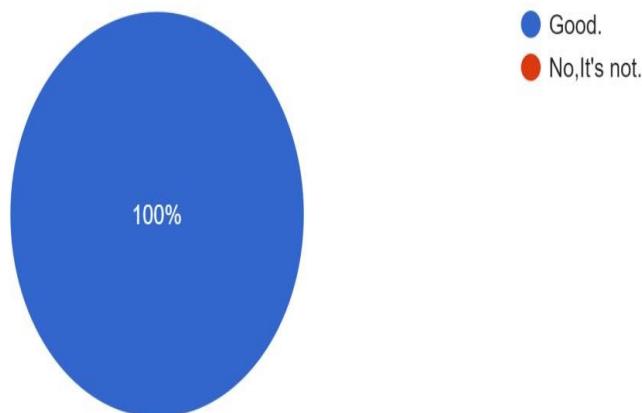


Figure 100 -User FeedBack Survey Q7 And response

What do you think about the map to display the directions for receiver?

6 responses

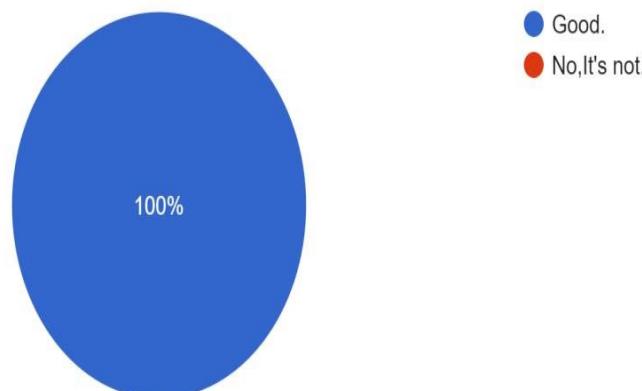


Figure 101 -User FeedBack Survey Q8 And response

What do you think about the interfaces that we provided for receiver's that request the donations?  
6 responses

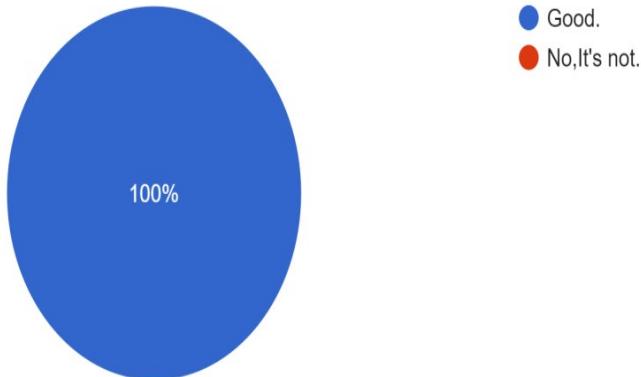


Figure 102 -User FeedBack Survey Q9 And response

You're feedback for improvements?

6 responses

Good

Its good interfaces

I think it's maybe good improve in pending status posts. It can add update button for updates the request details to the relevant food receiver

Super

Its better when add the feedback option to reciver.

No

Figure 103 -User FeedBack Survey Q10 And response

**Animal's Hunger:** We, human lives with many different types of animals nowadays. We need to think if it is necessary to kill animals for our lives. Each person has different beliefs about our eating habits. Some of us believe that we need to eat meat. Then, others would ask why; why human need to eat animals and why the horses or the cow can live without eating...

What do you think about animal's donations home page?

6 responses



Figure 104- User FeedBack Survey Q11 And response

Is this interfaces are user friendly?

6 responses

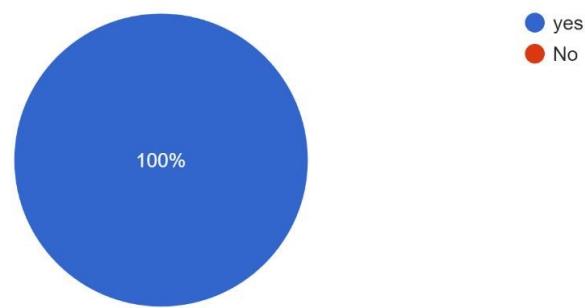


Figure 105 -User FeedBack Survey Q12 And response

Can Admin manage these functions easily?

6 responses

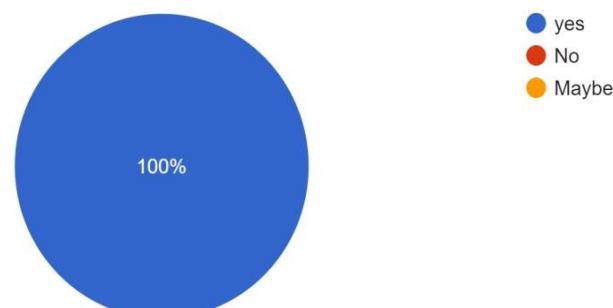


Figure 106 -User FeedBack Survey Q13 And response

What is your opinion about button size in interfaces?

6 responses

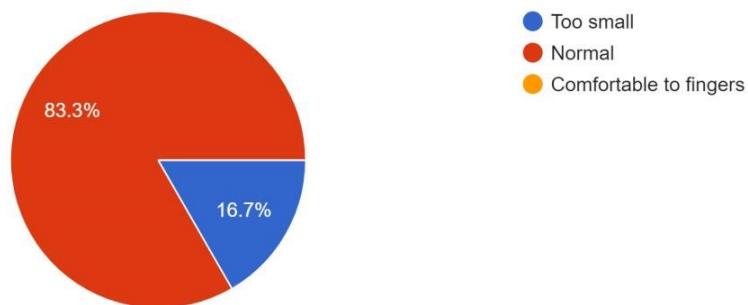


Figure 108- User FeedBack Survey Q14 And response

Can this procedure understand any one?

6 responses



Figure 107- User FeedBack Survey Q15 And response

You're feedback for improvements?

6 responses

Good

Good,Attractive Interfaces.

It's good

Can include delivery status interface and include an alert box on delete function.

Figure 109-User FeedBack Survey Q16 And response

**Hotels / Restaurants Owner's:** This study was designed to explain current food waste practices, specifically from the perspective of the staff in hotel kitchens. A case study of the perceptions of the staff involved in the food waste chain in a hotel group in Gauteng was undertaken, using a quantitative approach. Initiatives such as specific training could assist the staff to better understand 'best food waste practice' in relation to such negotiated sustainability issues as "social, environmental and financial policies and procedures".

what do you think about admin side interfaces, is these are user friendly?

6 responses

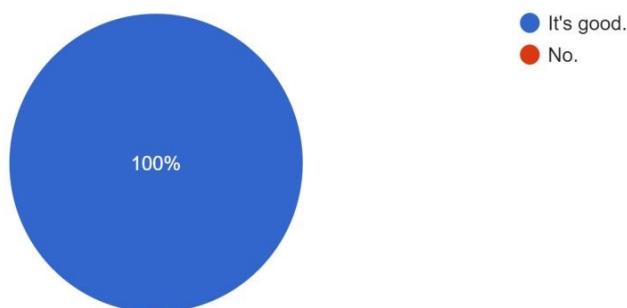


Figure 112 -User FeedBack Survey Q17 And response

What do you think about the Donor's Profile?

6 responses

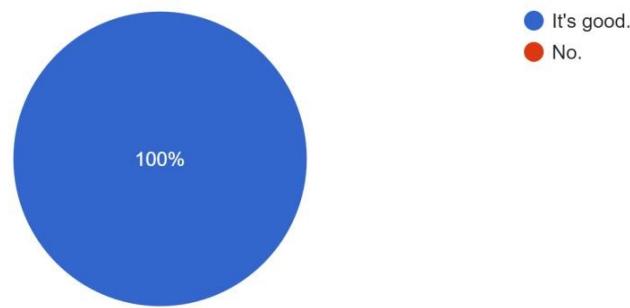


Figure 111-User FeedBack Survey Q18 And response

what do you think about food donation home page?

6 responses

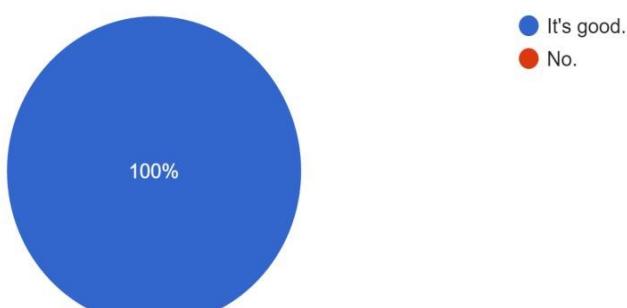


Figure 110- User FeedBack Survey Q19 And response

You're feedback for improvements?

6 responses

Good

No

Form is very long

Very good

It's good

Figure 113- User FeedBack Survey Q20 And response

**Articles:** This article function examines the problem of world hunger and discusses potential solutions to it. It reflects on the debate about whether transgenic foods should be used, which is more of a social controversy than a scientific one. Sustainability is considered a key driver for innovation that can be used as a basis for assessing the problem of hunger in the world, and the question is inseparable from its ethical aspects. Such capabilities should be embedded in educational programmes, to establish guidelines that are incorporated into curricula as transversal orientations to be able to make sustainability a social reality.

Is the way the interfaces are arranged to go to the article home page good?  
6 responses



Figure 114- User FeedBack Survey Q21 And response

is this interface suitable for the reader to choose the category he wants to read?  
6 responses

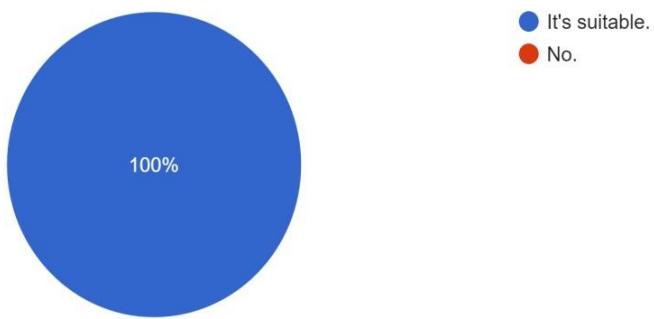


Figure 116 -User FeedBack Survey Q22 And response

This is article read more interface.Is this user friendly?  
6 responses

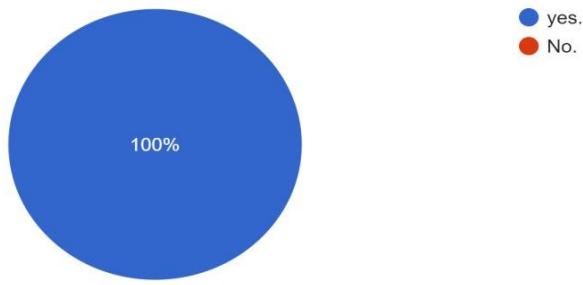


Figure 115- User FeedBack Survey Q22 And response

In this interface we provide a give ratings using stars. Is this stars sizes visible to eyes?

6 responses

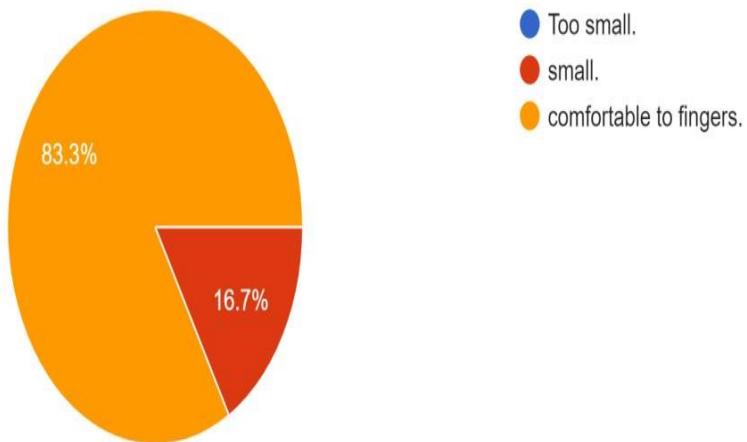


Figure 117-User FeedBack Survey Q23 And response

Is these alerts make easier work to article writers?

6 responses

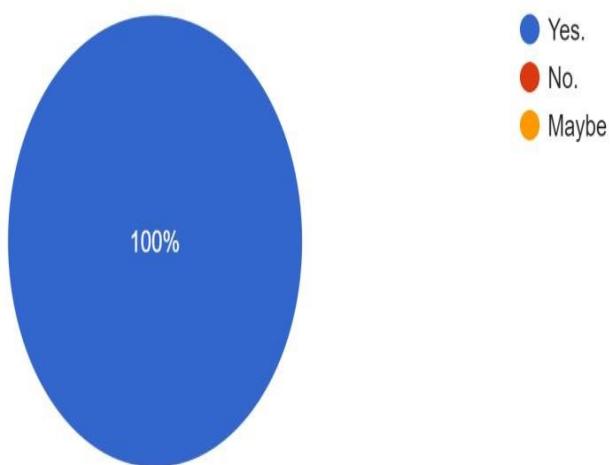


Figure 118-User FeedBack Survey Q24 And response

### You're feedback for improvements?

6 responses

Not include table list in the article list interface.

Form size is long

Nice

It's good

Good

That is nice, anybody can understand. If there is a person can't understand English, if u guys provide translations in sinhala would be helpful.

### Overall Mobile Application

What are you think about this mobile application?

What are the things need to be improved in application?

6 responses

Good app

Good Application

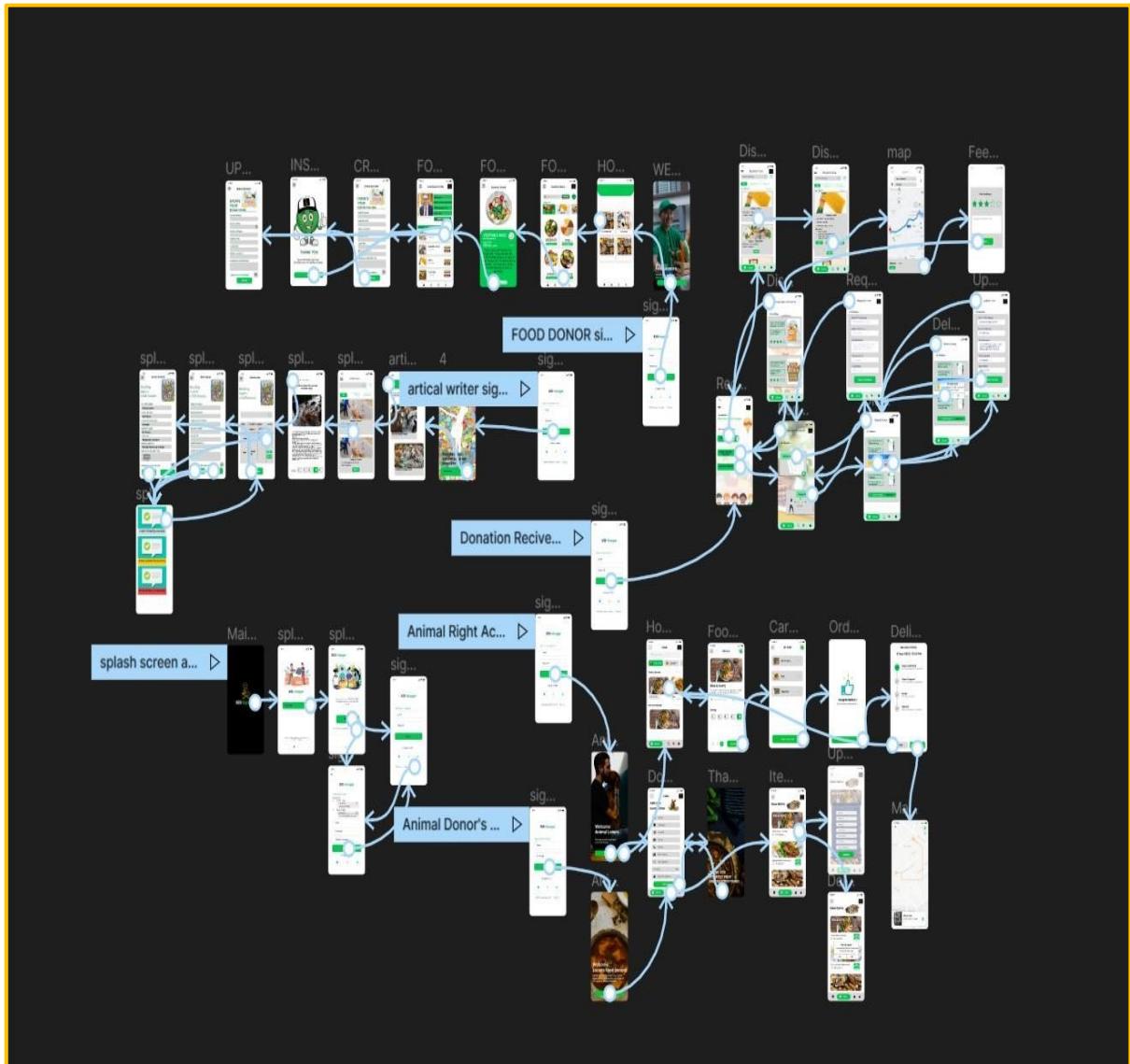
Good

Good job

This will be good mobile application.

Figure 119 -User FeedBack Survey Q25 And response

### 9.1.1 Prototype (Version 2.0)



**Figure 120-Proto Type 02**

## Evidence

### Prototype link:

<https://www.figma.com/file/LjSeeyGJN5UdG93COjctQq/Rocket-Department?nodeid=307%3A2>

### Video link:

[https://mysliit-my.sharepoint.com/:v/g/personal/it20230692\\_my\\_sliit\\_1k/ER5PJH4Lo6VMmln1KDzntDM\\_BcDfUm18BcpBAIlh3IxzbBuA?e=ZyFfyf](https://mysliit-my.sharepoint.com/:v/g/personal/it20230692_my_sliit_1k/ER5PJH4Lo6VMmln1KDzntDM_BcDfUm18BcpBAIlh3IxzbBuA?e=ZyFfyf)

### Form link:

[https://docs.google.com/forms/d/15g8iNfmyMsNlrpibP-L9w4\\_rxyzOiMA8tXli0eiaeYU/edit](https://docs.google.com/forms/d/15g8iNfmyMsNlrpibP-L9w4_rxyzOiMA8tXli0eiaeYU/edit)

### GitHub link:

[SLIIT-FacultyOfComputing/final-project-uee\\_fp\\_nullable: final-project-uee\\_fp\\_nullable created by GitHub Classroom](https://github.com/SLIIT-FacultyOfComputing/final-project-uee_fp_nullable)

## Individual Contribution

Table 4 Contributions

<p>Member 1: IT20137250 Rajapaksha R.C.P</p> <p>Member 2:IT20230692 S.C.S.Arachchi</p> <p>Member 3: IT20660352 P.L.P.G.D.S.Wijesooriya</p> <p><i>Member 4: IT20666538 M.G.W Bhagya</i></p>	<ul style="list-style-type: none"> <li>• Contributed to draw sketches (Onboarding page/welcome page/Home page/ Food Details Page/Cart page/map view page/order success screen/thank you screen/ Donor Home Page/ Item View Page - Donor/ Update Item Page) for animal lovers function</li> <li>• Contributed to draw wireframes (Onboarding page/welcome page/Home page/ Food Details Page/Cart page/map view page/order success screen/thank you screen/ Donor Home Page/ Item View Page - Donor/ Update Item Page) for animal lovers function</li> <li>• Contributed to build the prototype</li> <li>• Contributed to draw sketches (Onboarding page/welcome page/Home page/ Sign-in, Sign-up page/Receiver welcome page/ Display Obtained Donation/ Display Donation/ Display selected item/map/ Request Donations/Request form/Display status) for children's hunger page</li> <li>• Contributed to draw wireframes (Onboarding page/welcome page/Home page/ Sign-in, Sign-up page/Receiver welcome page/ Display Obtained Donation/ Display Donation/ Display selected item/map/ Request Donations/Request form/Display status) for children's hunger page</li> <li>• Contributed to build the prototype</li> <li>• Contributed to draw sketches (Welcome-Food Donor / Food Donor Profile / Food Donation -Home / Create Donation/ Update Donation/ Food Donation Details/ Insert Alert) for hotel owners</li> <li>• Contributed to draw wireframes Welcome-Food Donor / Food Donor Profile / Food Donation -Home / Create Donation/ Update Donation/ Food Donation Details/ Insert Alert) for hotel owners</li> <li>• Contributed to build the prototype</li> <li>• Contributed to draw sketches (Article home page / Select Category page / display all the articles page / See more article page/ Article list view page/ Add Article page/ Article update page/ alert mags page) for articles.</li> <li>• Contributed to draw wireframes (Article home page / Select Category page / display all the articles page / See more article page/ Article list view page/ Add Article page/ Article update page/ alert mags page) for articles.</li> <li>• Contributed to build the prototype</li> </ul>
--	---

## 10 Milestone 7: Implementation

### App.js

```
import React from 'react';
import { createStackNavigator } from "@react-navigation/stack";
import { NavigationContainer } from '@react-navigation/native';
import { Signin, Signup, Forgot, LoginHome } from './src/screens/auth';
import { ReceiverHome,
DisplayDonation,Displayselecteditem,DisplayMap,Feedbackfordonnaers,DisplayObtainedDonation,RequestDonations,Requestform,DisplayStatus,DeleteRequest,Updateform,SuccessRequestAlert,SuccessUpdateReqAlert,DisplayDeleteStatus} from
'./src/screens/Donation Receiver';

import {
    Donor_Welocme,
    Donor_Home,
    ThankYouScreen,
    ItemView,
    UpdateItem,
    UpdateSucessDonorAlert,
    DeleteDonorRequest,
    DeleteSucessDonorAlert,
} from './src/screens/Animal Donor';

import {
    Welcome,
    FoodDetail,
    MyCart,
    Success,
    DeliveryStatus,
    Map,
    Home
} from './src/screens/Animal Rights Activist';

import {
    ArticleHome,
    ArticlePage,
    ArticleDetails,
    Category,
    AddAtricle,
    AddsuccessArticleAlert,
    ArticleList,
    UpdateArticle,
    UpdateSucessArticleAlert,
    DeletesucessArticleAlert,
```

```

} from './src/screens/Article';

import OnBoarding from './src/screens/onBoarding/OnBoarding';

const Stack = createStackNavigator();

const App = () => {
  return (
    <NavigationContainer>
      <Stack.Navigator
        screenOptions={{
          headerShown: false
        }}
        initialRouteName={'OnBoarding'}
      >
    {/* onboarding */}
      <Stack.Screen name="OnBoarding" component={OnBoarding} />

    {/* auth */}
      <Stack.Screen name="Signin" component={Signin} />
      <Stack.Screen name="Signup" component={Signup} />
      <Stack.Screen name="Forgot" component={Forgot} />
      <Stack.Screen name="LoginHome" component={LoginHome} />

    {/* donationreciver */}
      <Stack.Screen name="ReceiverHome" component={ReceiverHome} />
      <Stack.Screen name="DisplayDonation"
component={DisplayDonation} />
        <Stack.Screen name="Displayselecteditem"
component={Displayselecteditem} />
          <Stack.Screen name="DisplayMap" component={DisplayMap} />
          <Stack.Screen name="SuccessUpdateReqAlert"
component={SuccessUpdateReqAlert} />
            <Stack.Screen name="SuccessRequestAlert"
component={SuccessRequestAlert} />
              <Stack.Screen name="Feedbackfordonnaers"
component={Feedbackfordonnaers} />
                <Stack.Screen name="DisplayObtainedDonation"
component={DisplayObtainedDonation} />
                  <Stack.Screen name="RequestDonations"
component={RequestDonations} />
                    <Stack.Screen name="Requestform" component={Requestform} />
                    <Stack.Screen name="DisplayDeleteStatus"
component={DisplayDeleteStatus} />

```

```

        <Stack.Screen name="DisplayStatus" component={DisplayStatus} />
        <Stack.Screen name="DeleteRequest" component={DeleteRequest} />
        <Stack.Screen name="Updateform" component={Updateform} />

    {/* chanaka- donner */}
        <Stack.Screen name="Donor_Welcome" component={Donor_Welocme} />
        <Stack.Screen name="Donor_Home" component={Donor_Home} />
        <Stack.Screen name="ThankYouScreen" component={ThankYouScreen} />
        <Stack.Screen name="ItemView" component={ItemView} />
        <Stack.Screen name="UpdateItem" component={UpdateItem} />
        <Stack.Screen name="UpdateSucessDonorAlert" component={UpdateSucessDonorAlert} />
        <Stack.Screen name="DeleteDonorRequest" component={DeleteDonorRequest} />
        <Stack.Screen name="DeleteSucessDonorAlert" component={DeleteSucessDonorAlert} />

    {/* chanaka-animal right */}
        <Stack.Screen name="Welcome" component={Welcome} />
        <Stack.Screen name="Home" component={Home} />
        <Stack.Screen name="FoodDetail" component={FoodDetail} />
        <Stack.Screen name="MyCart" component={MyCart} />
        <Stack.Screen name="Success" component={Success} />
        <Stack.Screen name="DeliveryStatus" component={DeliveryStatus} />
        <Stack.Screen name="Map" component={Map} />

    {/* waruni- user articale */}

        <Stack.Screen name="ArticleHome" component={ArticleHome} />
        <Stack.Screen name="Category" component={Category} />
        <Stack.Screen name="ArticlePage" component={ArticlePage} />
        <Stack.Screen name="ArticleDetails" component={ArticleDetails} />

    {/* waruni- admin articale */}
        <Stack.Screen name="AddAtricle" component={AddAtricle}/>
        <Stack.Screen name="AddsuccessArticleAlert" component={AddsuccessArticleAlert} />
        <Stack.Screen name="ArticleList" component={ArticleList} />
        <Stack.Screen name="UpdateArticle" component={UpdateArticle} />

```

```

        <Stack.Screen name="UpdateSucessArticleAlert"
component={UpdateSucessArticleAlert} />
        <Stack.Screen name="DeletesucessArticleAlert"
component={DeletesucessArticleAlert} />

    
```

)

};

export default App;

### Animal Donner - donner home.js

```

/* eslint-disable no-unused-vars */
/* eslint-disable quotes */
/* eslint-disable react/self-closing-comp */
/* eslint-disable react-native/no-inline-styles */
/* eslint-disable prettier/prettier */
import React from "react";
import { SafeAreaView, ScrollView, StyleSheet, View, Text, TextInput, TouchableOpacity, Image, SearchBar } from "react-native";

import { images, COLORS, SIZES, icons, dummyData } from
"KillHungerProject/constants";
import { TextButton } from "KillHungerProject/components";

const Donor_Home = ({ navigation }) => {
    return (
        <SafeAreaView>
            <ScrollView>
                <View style={styles.container}>
                    <Text style={styles.title}></Text>
                    <View style={styles.formInputmenu}>
                        <View style={{ justifyContent: 'center', alignItems: 'center', flexDirection: 'row' }}>
                            <TouchableOpacity>
                                <Image source={icons.menu} style={{ width: 30, height: 30 }} />
                            </TouchableOpacity>
                            <Text style={styles.create}> DONOR HOME </Text>
                            <Image source={dummyData?.myProfile?.
                                profile_image} style={{ width: 40, height: 40, marginRight: 30, borderRadius: SIZES.radius }} />
                        </View>
                    </View>
                </View>
            </ScrollView>
        </SafeAreaView>
    );
}

export default Donor_Home;

```

```

        </View>
    </View>

    <View style={{ flexDirection: 'row', justifyContent: 'center', alignItems: 'center', marginRight: 95, marginLeft: 76 }} >
        <Text style={styles.username}>Add
            new
            excess item</Text>
        <Image
            source={require('../assets/images/excess.png')} style={{ width: 120, height: 120, borderRadius: 10 }} />
    </View>

    <View style={styles.formInput}>

        <TextInput
            style={styles.txtInput}
            placeholder=" Name"
        />
    </View>
    <View style={styles.formInput}>

        <TextInput
            style={styles.txtInput}
            placeholder=" Address"
        />
    </View>
    <View style={styles.formInput}>
        <TextInput
            style={styles.txtInput}

            placeholder=" District"
        />
    </View>
    <View style={styles.formInput}>
        <TextInput
            style={styles.txtInput}
            placeholder=" Email"
        />
    </View>
    <View style={styles.formInput}>

        <TextInput
            style={styles.txtInput}
            placeholder=" Phone"
        />
    </View>
    <View style={styles.formInput}>

```

```

        <TextInput
            style={styles.txtInput}
            placeholder="    Item Name"
        />
    </View>
    <View style={styles.formInput}>

        <TextInput
            style={styles.txtInput}
            placeholder="    Description"
        />
    </View>
    <View style={styles.formInput}>

        <TextInput
            style={styles.txtInput}
            placeholder="    No of Nutritions"
        />
    </View>

        <TextButton
        label="Add Item"
        buttonContainerStyle={{
            height: 45,
            width: 320,
            borderRadius: SIZES.radius,
            backgroundColor: COLORS.primary,
            marginTop: 20,
            marginLeft: 42,
        }}

        onPress={() => navigation.navigate("ThankYouScreen")}
    />
</View>

</ScrollView>

</SafeAreaView>

)
}

const styles = StyleSheet.create({
    container: {
        backgroundColor: 'white',
        width: '100%',
```

```
        minHeight: 1100,
        textAlign: 'center',
    },
    formInput: {
        padding: 10,
        marginLeft: 12,
        // flexDirection: 'row',
    },
    formInputmenu: {
        padding: 10,
        marginLeft: 25,
        // flexDirection: 'row',
    },
    create: {
        color: COLORS.black,
        marginLeft: 65,
        marginRight: 65,
        fontSize: 18,
        fontWeight: 'bold',
    },
    username: {
        fontSize: 26,
        marginRight: 20,
        color: '#000',
    },
    searchbox: {
        backgroundColor: '#D9D9D9',
        fontSize: 20,
        height: 42,
        width: 320,
        marginRight: 8,
        borderWidth: 1,
        borderRadius: 8,
        padding: 10,
        borderColor: '#CBC8C8',
    },
    txtInput: {
        fontSize: 20,
        height: 50,
        width: 330,
        marginTop: 1,
        borderWidth: 1,
        marginLeft: 16,
        borderRadius: 8,
        padding: 10,
        borderColor: COLORS.primary,
        backgroundColor: COLORS.lightGray2,
```

```

        },
        defaultButton3: {
            padding: 1,
            backgroundColor: '#00C853',
            borderRadius: 8,
            justifyContent: 'center',
            justifyContentAlign: 'center',
            alignItems: 'center',
            marginLeft: 42,
            marginTop: 45,
            marginRight: 35,
            height: 40,
            width: 140,
            // borderWidth: 2,
        },
        results2: {
            color: '#00C853',
            fontSize: 18,
        },
    });
}

export default Donor_Home;

```

### updateite.js

```

/* eslint-disable no-unused-vars */
/* eslint-disable quotes */
/* eslint-disable react/self-closing-comp */
/* eslint-disable react-native/no-inline-styles */
/* eslint-disable prettier/prettier */
import React from "react";
import { SafeAreaView, ScrollView, StyleSheet, View, Text, TextInput, TouchableOpacity, Image, SearchBar } from "react-native";

import { images, COLORS, SIZES, icons, dummyData } from
"KillHungerProject/constants";
import { TextButton } from "KillHungerProject/components";


const Donor_Home = (props) => {

    const onPressBack = () => {
        props.navigation.navigate('ItemView');
    };
    const onPressUpdateNotification = () => {
        props.navigation.navigate('UpdateSucessDonorAlert');
    };
}

```

```

return (
  <SafeAreaView>
    <ScrollView>
      <View style={styles.container}>
        <Text style={styles.title}></Text>
        <View style={styles.formInputmenu}>
          <View style={{ justifyContent: 'center', alignItems: 'center', flexDirection: 'row' }}>
            <TouchableOpacity onPress={onPressBack}>
              <Image source={icons.back} style={{ width: 20, height: 20, marginRight: 280 }} />
            </TouchableOpacity>
            <Image source={dummyData?.myProfile?.profile_image} style={{ width: 40, height: 40, marginRight: 30, borderRadius: SIZES.radius }} />
          </View>
        </View>

        <View style={{ flexDirection: 'row', justifyContent: 'center', alignItems: 'center', marginRight: 95, marginLeft: 76 }}>
          <Text style={styles.username}>Update Items</Text>
          <Image
            source={require('../assets/images/excess.png')} style={{ width: 120, height: 120, borderRadius: 10 }} />
        </View>

        <View style={styles.formInput}>

          <TextInput
            style={styles.txtInput}
            placeholder=" Rice and Curry"
          />
        </View>
        <View style={styles.formInput}>

          <TextInput
            style={styles.txtInput}
            placeholder=" No,25/5, Rathnapura"
          />
        </View>
        <View style={styles.formInput}>
          <TextInput
            style={styles.txtInput}

              placeholder=" Rathnapura"
            />
        </View>
        <View style={styles.formInput}>

```

```

        <TextInput
            style={styles.txtInput}
            placeholder="    chanakaprasath456@gmail.com"
        />
    </View>
    <View style={styles.formInput}>

        <TextInput
            style={styles.txtInput}
            placeholder="    +9471 5264449"
        />
    </View>
    <View style={styles.formInput}>

        <TextInput
            style={styles.txtInput}
            placeholder="    Excess Food"
        />
    </View>
    <View style={styles.formInput}>

        <TextInput
            style={styles.txtInput}
            placeholder="    It contains meaty foods like eggs
and is made with less oil."
        />
    </View>
    <View style={styles.formInput}>

        <TextInput
            style={styles.txtInput}
            placeholder="    78"
        />
    </View>

    <TextButton
        label="Update"
        buttonContainerStyle={{
            height: 45,
            width: 320,
            borderRadius: SIZES.radius,
            backgroundColor: COLORS.primary,
            marginTop: 20,
            marginLeft: 42,
        }}>
        <Text>Update</Text>
    </TextButton>
    <Text>Last updated: 1 hour ago</Text>
    <Text>Edit</Text>

```

```
        </View>

    </ScrollView>

</SafeAreaView>

)

}

const styles = StyleSheet.create({
  container: {
    backgroundColor: 'white',
    width: '100%',
    minHeight: 1100,
    textAlign: 'center',
  },
  formInput: {
    padding: 10,
    marginLeft: 12,
    // flexDirection: 'row',
  },
  formInputmenu: {
    padding: 10,
    marginLeft: 25,
    // flexDirection: 'row',
  },
  create: {
    color: COLORS.black,
    marginLeft: 65,
    marginRight: 65,
    fontSize: 18,
    fontWeight: 'bold',
  },
  username: {
    fontSize: 26,
    marginRight: 20,
    color: '#000',
  },
  searchbox: {
    backgroundColor: '#D9D9D9',
    fontSize: 20,
    height: 42,
    width: 320,
    marginRight: 8,
    borderWidth: 1,
    borderRadius: 8,
    padding: 10,
  }
})
```

```

        borderColor: '#CBC8C8',
    },
    txtInput: {
        fontSize: 20,
        height: 50,
        width: 330,
        marginTop: 1,
        borderWidth: 1,
        marginLeft: 16,
        borderRadius: 8,
        padding: 10,
        borderColor: COLORS.primary,
        backgroundColor: COLORS.lightGray2,
    },
    defaultButton3: {
        padding: 1,
        backgroundColor: '#00C853',
        borderRadius: 8,
        justifyContent: 'center',
        justifyContentAlign: 'center',
        alignItems: 'center',
        marginLeft: 42,
        marginTop: 45,
        marginRight: 35,
        height: 40,
        width: 140,
        // borderWidth: 2,
    },
    results2: {
        color: '#00C853',
        fontSize: 18,
    },
});
}

export default Donor_Home;

```

### Animal right Activist -Food details

```

/* eslint-disable react/self-closing-comp */
/* eslint-disable react/jsx-no-undef */
/* eslint-disable no-undef */
/* eslint-disable no-unused-vars */
/* eslint-disable quotes */
/* eslint-disable react-native/no-inline-styles */
/* eslint-disable react/jsx-no-comment-textnodes */
/* eslint-disable prettier/prettier */
import React from 'react';
import {

```

```

View,
Text,
Image,
ScrollView,
} from 'react-native';

import {
  COLORS,
  FONTS,
  SIZES,
  icons,
  dummyData,
  constants,
} from "KillHungerProject/constants";

import { FoodHeader } from "KillHungerProject/components";
import { IconButton, CartQuantityButton, IconLabel, TextButton,
TextIconButton, LineDivider, StepperInput } from
'KillHungerProject/components';

const FoodDetail = ({ navigation }) => {

  const [foodItem, setFoodItem] = React.useState(dummyData.hamburger)
  const [ratings, setRatings] = React.useState("")
  const [qty, setQty] = React.useState(1)

  function renderHeader() {
    return (
      <FoodHeader
        title="DETAILS"
        containerStyle={{
          height: 50,
          marginHorizontal: SIZES.padding,
          marginTop: 40,
        }}
        leftComponent={
          <IconButton
            icon={icons.back}
            containerStyle={{
              width: 40,
              height: 40,
              justifyContent: 'center',
              alignItems: 'center',
              border: 1,
              borderRadius: SIZES.radius,
              borderColor: COLORS.gray2,
            }}
            iconStyle={{

```

```

        width: 20,
        height: 20,
        tintColor: COLORS.gray2,
    )}
    onPress={() => navigation.navigate("Home")}
/>
}
rightComponent={
    <CartQuantityButton
        quantity={3}
    />
}

/>
)
}

function renderDetails() {
    return (
        <View
            style={{
                marginTop: SIZES.radius,
                marginBottom: SIZES.padding,
                paddingHorizontal: SIZES.padding,
            }}
        >

        {/* Food Card */}
        <View
            style={{
                height: 190,
                borderRadius: 15,
                backgroundColor: COLORS.lightGray2,
            }}
        >

        {/* Calories and Fav */}
        <View
            style={{
                flexDirection: 'row',
                justifyContent: 'space-between',
                marginTop: SIZES.base,
                paddingHorizontal: SIZES.radius,
            }}
        >

        {/* Calories */}
        <View

```

```

        style={{{
            flexDirection: 'row',
        }}}
    >
    <Image
        source={icons.calories}
        style={{{
            width: 30,
            height: 30,
        }}}
    />

    <Text
        style={{{
            color: COLORS.darkGray2,
            ...FONTS.body4,
        }}}
    >
    78 Nutritions
    </Text>
</View>

/* Fav */
<Image
    source={icons.love}
    style={{{
        width: 20,
        height: 20,
        tintColor: foodItem?.isFavourite ? COLORS.gray
: COLORS.primary,
    }}}
/>

</View>
/* Food Image */
<Image
    source={require('KillHungerProject/src/assets/dummyDat
a/veg_biryani.png')}
    resizeMode="contain"
    style={{{
        height: 170,
        width: "100%",
    }}}
/>

</View>
/* Food Info */
<View

```

```

        style={{
          marginTop: SIZES.padding,
        }}
      >
      <Text
        style={{
          ...FONTS.h1,
          color: COLORS.black,
        }}
      >
        Rice & Curry
      </Text>

      <Text
        style={{
          marginTop: SIZES.base,
          color: COLORS.darkGray,
          textAlign: 'justify',
          ...FONTS.body3,
        }}
      >
        It contains meaty foods like eggs and is made with
less oil. This is a bit too harsh and pay attention to that.
      </Text>

      {/* Location & Contact */}
      <View
        style={{
          flexDirection: 'row',
          marginTop: SIZES.padding,
        }}
      >

      {/* Location */}
      <IconLabel
        containerStyle={{
          marginLeft: SIZES.radius,
          paddingHorizontal: 0
        }}
        icon={icons.location}
        iconStyle={{
          tintColor: COLORS.primary,
        }}
        label="Hilton Hotel, Colombo"
      />

```

```

        {/* Contact */}
        <IconLabel
            containerStyle={{
                marginLeft: SIZES.radius,
                paddingHorizontal: 40,
            }}
            icon={icons.call}
            iconStyle={{
                tintColor: COLORS.primary,
            }}
            label=" 071-5264449"
        />

    </View>

    </View>
)
}

function renderRatings() {
    return (
        <><Text
            style={{
                marginLeft: 27,
                color: COLORS.black,
                ...FONTS.h3,
            }}>
        Ratings
    </Text><View
        style={{
            flexDirection: 'row',
            justifyContent: 'space-between',
        }}>
        {constants.ratings.map((item, index) => {
            return (
                <TextIconButton
                    key={`Ratings-${index}`}
                    containerStyle={{
                        flex: 1,
                        height: 50,
                        margin: 5,
                        alignItems: 'center',
                        borderRadius: SIZES.base,
                    }}>
            
```

```

                backgroundColor: item.id == ratings ?
COLORS.primary : COLORS.lightGray2
            }
            label={item.label}
            labelStyle={{
                color: item.id == ratings ? COLORS.white :
COLORS.gray
            }
            icon={icons.star}
            iconStyle={{
                tintColor: item.id == ratings ? COLORS.white :
COLORS.gray
            }
            onPress={() => setRatings(item.id)}
        
```

$$\frac{1}{2} \left( \frac{\partial^2 \mathcal{L}}{\partial \theta_i^2} + \frac{\partial^2 \mathcal{L}}{\partial \theta_j^2} \right)_{\theta=\theta^*}$$

```

        />
    )
})}

</View></>
)
}

function renderFooter() {
    return (
        <View
            style={{
                flexDirection: 'row',
                height: 120,
                alignItems: 'center',
                paddingHorizontal: SIZES.padding,
                paddingBottom: SIZES.radius,
            }}
        >
        /* StepperInput */
        <StepperInput
            value={qty}
            onAdd={() => setQty(qty + 1)}
            onMinus={() => {
                if (qty > 1) {
                    setQty(qty - 1)
                }
            }}
        />

        /* Text button */
        <TextButton
            buttonContainerStyle={{

```

```

        flex: 1,
        flexDirection: 'row',
        height: 60,
        marginLeft: SIZES.radius,
        paddingHorizontal: SIZES.radius,
        borderRadius: SIZES.radius,
        backgroundColor: COLORS.primary,
    )}
    label="Add to cart"
    onPress={() => navigation.navigate("MyCart")}
/>

```

```

        </View>
    )
}

return (
<View
    style={{
        flex: 1,
        backgroundColor: COLORS.white,
    }}
>

/* Header */
{renderHeader()}

/* Body */
<ScrollView>
    /* Food Detail */
    {renderDetails()}

    /* Rating */
    {renderRatings()}

</ScrollView>

/* Footer */
<LineDivider/>
{renderFooter()}

</View>
)
}

```

```

export default FoodDetail;

```

Article – Addaarticle.js

```

/* eslint-disable quotes */
/* eslint-disable no-unused-vars */
/* eslint-disable react/self-closing-comp */
/* eslint-disable react-native/no-inline-styles */
/* eslint-disable prettier/prettier */
import React from "react";
import { SafeAreaView, ScrollView, StyleSheet, View, Text, TextInput, TouchableOpacity, Image, SearchBar } from "react-native";
import { images, COLORS, SIZES, icons, dummyData } from
"KillHungerProject/constants";

const AddArticle = (props) => {

    const onPressReqDon = () => {
        props.navigation.navigate('AddsuccessArticleAlert');
    };
    const onPressView = () => {
        props.navigation.navigate('ArticleList');
    };
    return (
        <SafeAreaView>
            <ScrollView>
                <View style={styles.container}>
                    <Text style={styles.title}></Text>
                    <View style={styles.formInputmenu}>
                        <View style={{ justifyContent: 'center', alignItems: 'center', flexDirection: 'row' }}>
                            <TouchableOpacity>
                                <Image source={icons.menu} style={{ width: 30, height: 30 }} />
                            </TouchableOpacity>
                            <Text style={styles.create}> Add Articles </Text>
                            <Image source={dummyData?.myProfile?.profile_image} style={{ width: 40, height: 40, marginRight: 30, borderRadius: SIZES.radius }} />
                        </View>
                    </View>
                    <View style={{ flexDirection: 'row', justifyContent: 'center', alignItems: 'center', marginRight: 95, marginLeft: 76 }} >
                        <Text style={styles.username}>Reading
                            makes
                            a full human..</Text>
                        <Image
                            source={require('../assets/images/articalimg1.png')} style={{ width: 150, height: 180, borderRadius: 10 }} />
                    </View>
                </View>
            </ScrollView>
        </SafeAreaView>
    );
};

export default AddArticle;

```

```

<View style={styles.container1}>
    <View style={styles.formInput}>
        <Text style={{ fontSize: 16, color: '#00C853',
marginLeft: 1, fontWeight: 'bold', marginTop: 12 }}>WRITER'S NAME :</Text>
        <TextInput
            style={styles.txtInput}
            placeholder="    Animal lovers"
        />
    </View>
    <View style={styles.formInput}>
        <Text style={{ fontSize: 16, color: '#00C853',
marginLeft: 1, fontWeight: 'bold', marginTop: 1 }}>DONETION DATE :</Text>

        <TextInput
            style={styles.txtInput}
            placeholder="    10/7/2021"
        />
    </View>
    <View style={styles.formInput}>
        <Text style={{ fontSize: 16, color: '#00C853',
marginLeft: 1, fontWeight: 'bold', marginTop: 1 }}>DONATION CATEGRY:</Text>

        <TextInput
            style={styles.txtInput}

            placeholder="    Mr.Perera"
        />
    </View>
    <View style={styles.formInput}>
        <Text style={{ fontSize: 16, color: '#00C853',
marginLeft: 1, fontWeight: 'bold', marginTop: 1 }}>DONOR'S NAME:</Text>

        <TextInput
            style={styles.txtInput}
            placeholder="    Nugegoda Junction"
        />
    </View>
    <View style={styles.formInput}>
        <Text style={{ fontSize: 16, color: '#00C853',
marginLeft: 1, fontWeight: 'bold', marginTop: 1 }}>LOCATION:</Text>

        <TextInput
            style={styles.txtInput}
            placeholder="    Around 100 stray animals"
        />
    </View>
</View style={styles.formInput}>

```

```

        <Text style={{ fontSize: 16, color: '#00C853',
      marginLeft: 1, fontWeight: 'bold', marginTop: 1 }}>DONATION DESCRIPTION:
    </Text>

    <TextInput
      style={styles.txtInput1}
      numberOfLines={10}
      multiline={true}
      placeholder=" Type Donation Description
here..." />
  </View>
  <View style={{ justifyContent: 'center', alignItems: 'center', flexDirection: 'row' }}>
    <TouchableOpacity onPress={onPressReqDon}>
      <Text style={{ color: '#FFFFFF', fontSize: 18, }}> PUBLISH </Text>
    </TouchableOpacity>
    <TouchableOpacity onPress={onPressView}>
      <Text style={{ color: '#FFFFFF', fontSize: 18, }}> VIEW </Text>
    </TouchableOpacity>
  </View>
</View>
</ScrollView>
</SafeAreaView>
)
}

const styles = StyleSheet.create({
  container: {
    backgroundColor: 'white',
    width: '100%',
    minHeight: 1100,
    textAlign: 'center',
  },
  formInput: {
    padding: 10,
    marginLeft: 12,
    // flexDirection: 'row',
  },
  formInputmenu: {

```

```
padding: 10,
marginLeft: 25,
// flexDirection: 'row',
},

create: {
  color: '#00C853',
  marginLeft: 65,
  marginRight: 65,
  fontSize: 24,
  fontWeight: 'bold',
},
username: {
  fontSize: 38,
  marginTop: 2,
  marginLeft: 25,
  marginRight: 5,
  // fontWeight:'bold',
  color: '#00C853',
},
searchbox: {
  backgroundColor: '#D9D9D9',
  fontSize: 20,
  height: 42,
  width: 320,
  marginRight: 8,
  borderWidth: 1,
  borderRadius: 8,
  padding: 10,
  borderColor: '#CBC8C8',
},
txtInput: {
  fontSize: 20,
  height: 50,
  width: 320,
  marginTop: 1,

  marginRight: 32,
  borderWidth: 1,
  borderRadius: 8,
  padding: 10,
  borderColor: '#FFFFFF',
  backgroundColor: '#FFFFFF',
},
txtInput1: {
  fontSize: 20,
  height: 120,
  width: 320,
```

```
    marginTop: 1,  
  
    marginRight: 32,  
    borderWidth: 1,  
    borderRadius: 8,  
    padding: 10,  
    borderColor: '#FFFFFF',  
    backgroundColor: '#FFFFFF',  
},  
  
defaultButton3: {  
    padding: 1,  
    backgroundColor: '#00C853',  
    borderRadius: 8,  
    justifyContent: 'center',  
    justifyContentAlign: 'center',  
    alignItems: 'center',  
    marginLeft: 42,  
    marginTop: 45,  
    marginRight: 35,  
    height: 40,  
    width: 140,  
    // borderWidth: 2,  
},  
results1: {  
    color: '#061356',  
    fontSize: 18,  
    marginRight: 150,  
  
},  
results2: {  
    color: '#00C853',  
    fontSize: 18,  
  
},  
container1: {  
    height: 670,  
    width: 360,  
    opacity: 0.9,  
    // flexDirection:'row',  
    // justifyContent: 'center',  
    // alignItems: 'center',  
    marginLeft: 30,  
    backgroundColor: '#D9D9D9',  
    borderRadius: 10,  
    marginTop: 10,  
    borderEndColor: '#00C853',  
    borderBottomColor: '#00C853',
```

```

        borderStyle: 'solid',
        borderEndWidth: 3,
        borderBottomWidth: 3,
    },
});

export default AddAtricle;

```

### Donation Reciver.js

```

import React from "react";
import { SafeAreaView, ScrollView, StyleSheet, View, Text, TextInput, TouchableOpacity, Image, SearchBar } from "react-native";

const DisplayDonation = (props) => {
  const onPressDisplaySelected = () => {
    props.navigation.navigate('Displayselecteditem');
  };
  return (
    <SafeAreaView>
      <ScrollView>
        <View style={styles.container}>
          <Text style={styles.title}></Text>
          <View style={styles.formInput}>
            <View style={{ justifyContent: 'center', alignItems: 'center', flexDirection: 'row' }}>
              <TouchableOpacity>
                <Image
                  source={require('../assets/images/donationreciver/menu.jpg')} style={{
                    width: 40, height: 40 }} />
              </TouchableOpacity>
              <Text style={styles.create}>Receiver Home</Text>
              <Image
                source={require('../assets/images/donationreciver/Killhungerlogo.png')} style={{
                  width: 40, height: 40, marginRight: 30, borderRadius: 5 }} />
            </View>
          </View>
        <View style={styles.formInput}>
          <TextInput
            style={styles.searchbox}
            placeholder="    Search Category" />
          <TouchableOpacity>
            <Image
              source={require('../assets/images/donationreciver/EOS_FILTER_LIST_FILLED.png')} style={{
                width: 40, height: 40 }} />

```

```

        </TouchableOpacity>
    </View>
    <View style={styles.formInput}>
        <TouchableOpacity style={styles.defaultButton}>
            <Text style={{ color: '#FFFFFF', fontSize: 18, }}> All </Text>
        </TouchableOpacity>
        <TouchableOpacity style={styles.defaultButton1}>
            <Text style={{ color: '#0FAA72', fontSize: 18, }}> Canned fruit
        </Text>
        </TouchableOpacity>
        <TouchableOpacity style={styles.defaultButton1}>
            <Text style={{ color: '#0FAA72', fontSize: 18, }}> Canned fish
        </Text>
        </TouchableOpacity>
    </View>
    <View style={styles.formInput}>
        <Text style={styles.results1}>Search Results</Text>
        <Text style={styles.results2}>210 Found</Text>
    </View>
    <View style={styles.container1}>
        <Image
            source={require('../assets/images/donationreciver/pasta.png')} style={{
                width: 358, height: 130, marginLeft: 10, marginRight: 10, marginTop: 10,
                borderRadius: 8 }} />
            <Text style={{ marginTop: 3, fontSize: 18, textAlign: 'center',
                fontWeight: 'bold' }}>Catogary : Pasta </Text>
            <Text style={{ fontWeight: 'bold', marginTop: 8, fontSize: 16,
                marginLeft: 10 }}>Item Name : Pasta-Spaghetti </Text>
            <Text style={{ fontWeight: 'bold', marginTop: 1, fontSize: 16,
                marginLeft: 10 }}>Location : Malabe</Text>
            <TouchableOpacity onPress={onPressDisplaySeleted}
                style={styles.defaultButton3}>
                <Text style={{ color: '#FFFFFF', fontSize: 18, }}> Display
            </Text>
            </TouchableOpacity>
        </View>

        <View style={styles.container1}>
            <Image
                source={require('../assets/images/donationreciver/fish.png')} style={{
                    width: 358, height: 130, marginLeft: 10, marginRight: 10, marginTop: 10,
                    borderRadius: 8 }} />
            <Text style={{ marginTop: 3, fontSize: 18, textAlign: 'center',
                fontWeight: 'bold' }}>Catogary : Canned fish </Text>
            <Text style={{ fontWeight: 'bold', marginTop: 8, fontSize: 16,
                marginLeft: 10 }}>Item Name : jack mackerel </Text>
            <Text style={{ fontWeight: 'bold', marginTop: 1, fontSize: 16,
                marginLeft: 10 }}>Location : Kegalle</Text>
        </View>
    </View>

```

```

        <TouchableOpacity style={styles.defaultButton3}>
            <Text style={{ color: '#FFFFFF', fontSize: 18, }}> Display
        </Text>
        </TouchableOpacity>
    </View>

    <View style={styles.container1}>
        <Image
source={require('../assets/images/donationreciver/tin.png')} style={{ width: 358, height: 130, marginLeft: 10, marginRight: 10, marginTop: 10, borderRadius: 8 }} />
            <Text style={{ marginTop: 3, fontSize: 18, textAlign: 'center', fontWeight: 'bold' }}>Catogary : Soup </Text>
            <Text style={{ fontWeight: 'bold', marginTop: 8, fontSize: 16, marginLeft: 10 }}>Item Name : Vegitative-Soup </Text>
            <Text style={{ fontWeight: 'bold', marginTop: 1, fontSize: 16, marginLeft: 10 }}>Location : Kaduwela</Text>
            <TouchableOpacity style={styles.defaultButton3}>
                <Text style={{ color: '#FFFFFF', fontSize: 18, }}> Display
            </Text>
            </TouchableOpacity>
        </View>
    </ScrollView>
</SafeAreaView>

)
}

const styles = StyleSheet.create({
    container: {
        backgroundColor: 'white',
        width: '100%',
        minHeight: 1100,
        textAlign: 'center',
    },
    formInput: {
        padding: 10,
        marginLeft: 12,
        flexDirection: 'row',
    },
    create: {
        color: '#061356',
        marginLeft: 65,
        marginRight: 65,
        fontSize: 24,
        fontWeight: 'bold',
    }
})

```

```
},  
  
searchbox: {  
  backgroundColor: '#D9D9D9',  
  fontSize: 20,  
  height: 42,  
  width: 320,  
  marginRight: 8,  
  borderWidth: 1,  
  borderRadius: 8,  
  padding: 10,  
  borderColor: '#CBC8C8',  
},  
defaultButton: {  
  padding: 10,  
  backgroundColor: '#0FAA72',  
  borderRadius: 8,  
  marginLeft: 3,  
  marginRight: 24,  
  height: 45,  
},  
defaultButton1: {  
  padding: 10,  
  //backgroundColor: '#0FAA72',  
  borderRadius: 8,  
  marginLeft: 3,  
  marginRight: 24,  
  height: 45,  
  borderWidth: 2,  
  borderColor: '#0FAA72',  
},  
defaultButton3: {  
  padding: 1,  
  backgroundColor: '#0FAA72',  
  borderRadius: 8,  
  justifyContent: 'center',  
  justifyContentAlign: 'center',  
  alignItems: 'center',  
  marginLeft: 130,  
  marginTop: 2,  
  marginRight: 130,  
  height: 35,  
  // borderWidth: 2,  
},  
results1: {  
  color: '#061356',  
  fontSize: 18,
```

```

    marginRight: 150,
  },
  results2: {
    color: '#00C853',
    fontSize: 18,
  },
  container1: {
    height: 270,
    width: 380,
    opacity: 0.9,
    // flexDirection:'row',
    // justifyContent: 'center',
    // alignItems: 'center',
    marginLeft: 17,
    backgroundColor: '#D9D9D9',
    borderRadius: 10,
    marginTop: 10,
    borderEndColor: '#0FAA72',
    borderBottomColor: '#0FAA72',
    borderStyle: 'solid',
    borderEndWidth: 3,
    borderBottomWidth: 3,
  },
);
}

export default DisplayDonation;

```

### Display obtained donation

```

import React from "react";
import { SafeAreaView, ScrollView, StyleSheet, View, Text, TextInput, Button, ImageBackground, TouchableOpacity, Image } from "react-native";

const DisplayObtainedDonation = (props) => {

  const onPressReciverHome = () => {
    props.navigation.navigate('ReceiverHome');
  }
}

```

```

};

return (
  <ImageBackground
source={require("../assets/images/donationreciver/bgobtain.png")}
resizeMode="cover" style={styles.image2}>

  <SafeAreaView >

    <ScrollView>
      <View style={styles.container}>
        <View style={styles.formInput1}>
          <View style={{ justifyContent: 'center', alignItems: 'center',
flexDirection: 'row' }}>
            <TouchableOpacity onPress={onPressReciverHome}>
              <Image
source={require('../assets/images/donationreciver/backBtn2.png')} style={{
width: 40, height: 40 }} />
            </TouchableOpacity>
            <Text style={styles.create}>Display Obtained Donations</Text>
            <Image
source={require('../assets/images/donationreciver/Killhungerlogo.png')}
style={{ width: 40, height: 40,borderRadius:5 }} />
          </View>
        </View>
        <TouchableOpacity>
          <Image
source={require('../assets/images/donationreciver/menu.jpg')} style={{
width: 40, height: 40, marginLeft: 20 }} />
        </TouchableOpacity>
        <Text style={styles.username}>Hi, Chandima👋</Text>
        <View style={styles.container1}>
          <View style={styles.con1left}>
            <View style={styles.con1Box1}>
              <Text style={styles.con1txt}>Name Of The Food :</Text>
              <Text style={styles.con1txt2}>Canned vegetables</Text>
            </View>
            <View style={styles.con1Box1}>
              <Text style={styles.con1txt}>Collected Date :</Text>
              <Text style={styles.con1txt2}>2022/11/13</Text>
            </View>
            <View style={styles.con1star}>
              <Image
source={require('../assets/images/donationreciver/stargood.png')} style={{
width: 34, height: 34 }} />
            <Image
source={require('../assets/images/donationreciver/stargood.png')} style={{
width: 34, height: 34, marginLeft: 9 }} />

```

```

        <Image
source={require('../assets/images/donationreciver/stargood.png')} style={{ width: 34, height: 34, marginLeft: 9 }} />
        <Image
source={require('../assets/images/donationreciver/stargood.png')} style={{ width: 34, height: 34, marginLeft: 9 }} />
        <Image
source={require('../assets/images/donationreciver/starbad.png')} style={{ width: 34, height: 34, marginLeft: 9 }} />
        </View>
    </View>
    <View style={styles.con1right}>
        <Image
source={require('../assets/images/donationreciver/cannedvegi.png')}
style={{ width: 135, height: 250, marginLeft:8,marginRight:10,
marginTop:10,borderRadius:8 }} />
        </View>
    </View>

<View style={styles.container1}>
    <View style={styles.con1left}>
        <View style={styles.con1Box1}>
            <Text style={styles.con1txt}>Name Of The Food :</Text>
            <Text style={styles.con1txt2}>Canned fruit</Text>
        </View>
        <View style={styles.con1Box1}>
            <Text style={styles.con1txt}>Collected Date :</Text>
            <Text style={styles.con1txt2}>2022/09/15</Text>
        </View>
        <View style={styles.con1star}>
            <Image
source={require('../assets/images/donationreciver/stargood.png')} style={{ width: 34, height: 34 }} />
            <Image
source={require('../assets/images/donationreciver/stargood.png')} style={{ width: 34, height: 34, marginLeft: 9 }} />
            <Image
source={require('../assets/images/donationreciver/stargood.png')} style={{ width: 34, height: 34, marginLeft: 9 }} />
            <Image
source={require('../assets/images/donationreciver/starbad.png')} style={{ width: 34, height: 34, marginLeft: 9 }} />
            <Image
source={require('../assets/images/donationreciver/starbad.png')} style={{ width: 34, height: 34, marginLeft: 9 }} />
        </View>
    </View>
</View>

```

```

        <Image
source={require('../assets/images/donationreciver/fruitcanned.jpg')}
style={{ width: 135, height: 250, marginLeft:8,marginRight:10,
marginTop:10,borderRadius:8 }} />
        </View>
    </View>

        <View style={styles.container1}>
            <View style={styles.con1left}>
                <View style={styles.con1Box1}>
                    <Text style={styles.con1txt}>Name Of The Food :</Text>
                    <Text style={styles.con1txt2}>Canned vegetables</Text>
                </View>
                <View style={styles.con1Box1}>
                    <Text style={styles.con1txt}>Collected Date :</Text>
                    <Text style={styles.con1txt2}>2022/09/10</Text>
                </View>
                <View style={styles.con1star}>
                    <Image
source={require('../assets/images/donationreciver/stargood.png')} style={{ width: 34, height: 34 }} />
                    <Image
source={require('../assets/images/donationreciver/stargood.png')} style={{ width: 34, height: 34, marginLeft: 9 }} />
                    <Image
source={require('../assets/images/donationreciver/stargood.png')} style={{ width: 34, height: 34, marginLeft: 9 }} />
                    <Image
source={require('../assets/images/donationreciver/stargood.png')} style={{ width: 34, height: 34, marginLeft: 9 }} />
                    <Image
source={require('../assets/images/donationreciver/starbad.png')} style={{ width: 34, height: 34, marginLeft: 9 }} />
                    </View>
                </View>
                <View style={styles.con1right}>
                    <Image
source={require('../assets/images/donationreciver/cannedfruit.png')}
style={{ width: 135, height: 250, marginLeft:8,marginRight:10,
marginTop:10,borderRadius:8 }} />
                    </View>
                </View>
            </View>
        </ScrollView>
    </SafeAreaView>
</ImageBackground>

```

```
)  
}  
  
const styles = StyleSheet.create({  
  container: {  
    // backgroundColor: 'white',  
    // width: '100%',  
    minHeight: 1050,  
    // textAlign: 'center',  
  },  
  container1: {  
    height: 270,  
    width: 380,  
    opacity: 0.9,  
    flexDirection: 'row',  
    // justifyContent: 'center',  
    // alignItems: 'center',  
    marginLeft: 17,  
    backgroundColor: '#D9D9D9',  
    borderRadius: 10,  
    marginTop: 25,  
    borderEndColor: '#0FAA72',  
    borderBottomColor: '#0FAA72',  
    borderStyle: 'solid',  
    borderEndWidth: 3,  
    borderBottomWidth: 3,  
  },  
  con1Box1: {  
    height: 60,  
    width: 210,  
    backgroundColor: '#B0E4C6',  
    borderRadius: 10,  
    marginLeft: 18,  
    marginTop: 30,  
  },  
  con1txt: {  
    color: '#061356',  
    marginLeft: 10,  
    fontWeight: 'bold',  
    fontSize: 18,  
    marginTop: 5,  
  },  
  con1txt2: {  
    marginLeft: 10,  
    fontWeight: 'bold',  
    fontSize: 16,  
  },  
  con1star: {
```

```
flexDirection: 'row',
marginLeft: 18,
marginTop: 30,
height: 60,
width: 210,
},
image2: {
  flex: 1,
  justifyContent: "center",
 //marginTop:50,
},
username: {
  fontSize: 18,
  marginTop: 5,
  marginLeft: 30,
  fontWeight: 'bold',
},
title: {
  color: '#061356',
  textAlign: 'center',
  marginTop: 100,
  fontSize: 32,
  fontWeight: 'bold',
  marginBottom: 60,
},
title1: {
  color: '#0FAA72',
  fontWeight: 'bold',
},
create: {
  color: '#061356',
  fontSize: 20,
  marginLeft: 25,
  marginRight: 25,
},
regas: {
  color: '#6F2B2B',
  marginLeft: 43,
},
formInput: {
  padding: 8,
},
formInput1: {
  padding: 20,
},
txtInput: {
```

```
    fontSize: 20,
    height: 55,
    marginLeft: 32,
    marginRight: 32,
    borderWidth: 1,
    borderRadius: 8,
    padding: 10,
    borderColor: '#CBC8C8',
  },
  defaultButton: {
    padding: 12,
    backgroundColor: '#0FAA72',
    borderRadius: 8,
    marginLeft: 32,
    marginRight: 32,
    height: 55,
  },
  other: {
    fontSize: 16,
    textAlign: 'center',
    marginTop: 10,
  }
});

export default DisplayObtainedDonation;
```

# 11 Requirement Specification

## 11.1 Usability Goals

Usability is a measure of how well a specific user can use a product/design to achieve a defined goal effectively and efficiently. As Designers, we usually measure a design's usability from wireframes to the final deliverable.

So, we need to achieve some usability goals from our product. They are effective to use, efficient to use and easy to learn. We want to give a product which supports users in actions accurately and can perform tasks quickly. Another thing is new users need to accomplish goals easily. So, we need to achieve that goal. A product should be a memorable one. Then every user can use it easily. So, it is also a usability goal of ours.

## 11.2 User Experience Goals

When we designing a product, we should achieve user experience goals. So, we also want to achieve some desirable aspects as user experience goals such as satisfying, helpful, supporting, creativity and experiencing. We want to avoid from undesirable aspects also. They are boring, unpleasant and frustrating. We want to give a good product by achieving those user experience goals.

## 11.3 Functional Requirements

### Functional Requirements

- Sign up/Sign in
- Feedback
- Add/delete function ➤ View function ➤ Add/delete notice function.

### Non-Functional Requirements

- Performance ➤ Security
- Usability
- Reliability

## 11.4 Hierarchical Task Analysis

Identify the Primary Procedure → First we identify the what are the users system. For that we planned user researches

List the Main Tasks → After identify the main procedure we were going to list the main tasks of the application.

List the subtasks → We broke main tasks into subtasks after identify the main tasks.

## 12 Design Principles

Any good product is built on a set of principles called design principles, which aid teams in making decisions. Our team's decision-making will be guided by a few straightforward concepts.

So, we have used some design principles while we are designing our product. Among them first one is focusing on alignment. Center, right, or left-aligned texts are the most common alignments which we have used. We gave extra visual weight for some important texts in the user interfaces used larger or bolder fonts for our typography, placed our most important message physically higher than other pieces of information. So, we used hierarchy design principle like that.

Using repetition is another design principle which we have used. We used Repeating colours, fonts, words, and shapes. It will be easy to remember our important information of application to users. Balance is also an important design principle while designing an application. So, we used that also. As an example, dark elements are balanced out by light ones by us.

Optimizing colour and leaving negative spaces are other design principles which we have used for our application. We all tried our best to give a user-friendly design by using those design principles.

# 13 Project Management

Describe the evaluation of your overall design process.

## 13.1 Meetings

We conducted more meetings with our team members to discuss our project tasks. First, we got a meeting to decide our leader, SDG and familiar with each team member. After that for each milestone, we conducted a meeting to discuss the task plan and divide the tasks to each member. Then start-up meetings are conducted daily to see our daily progress. It was only 10-15-minute meeting. We used Microsoft team platform to conduct our meetings. This is the way that we have conducted our meetings to do our project tasks.

## 13.2 Risk Management

When we are completing the project time management was a risk to us. Because some of the team members are doing their internship. Other thing is we had lectures on weekend days. So, we had limited time to finish the overall product while doing other projects. So, managing time is the risk we had to consider when completing the project.

## 13.3 Milestones

Milestone 01 – Identify user groups

Milestone 02 – Plan And conduct user research

Milestone 03 – Verify the key user flow(s)

Milestone 04 – Sketching, Wireframes, PRoto types

Millstone 05 – User Feedback for Prototypes

Millstone 06 - Implementation

## 13.4 Problems Encountered

While doing the project tasks, one of the team member's laptop was broken. That was the unexpected obstacle that we had faced. Because if one member could not finish his/her tasks, we will not be able to finish overall tasks.

But we conducted meetings to address that problem. We shared the laptop screen from another member's laptop and gave control to do the tasks.

## 14Conclusion

ZERO HUNGER is the second of the 17 Sustainable Development Goals (SDGs) of the United Nations, supported by all UN organizations. Nations, private companies, and citizens from around the world are working hard to achieve the 17 goals by 2030, starting with poverty and hunger. Many exciting programmes have been launched as part of this mission, and most of them are aimed at families and small communities. Almost every action involves education and the sharing of information and technology. Studying is the best way to learn how to utilise resources and improve people's lives: studying the territory, new growing techniques, changes in climate, and what could put people's health at risk. It is also important to study advanced technologies, and how they can be made to serve the most vulnerable people, as well as the greater good. Every single ingredient adds to the final recipe! But studying isn't enough, we have to turn our ideas into actions.

## References

1. [Sustainable Development Goals](#)
2. [food security](#)
3. [sustainable agriculture](#)
4. [economic growth](#)
5. [food systems](#)
6. [malnutrition; agricultural productivity](#)
7. [COVID-19 pandemic](#)

## Appendix

### 14.1 Initial User Survey Responses

This includes survey/questionnaire questions you write to get relevant data.

### 14.2 Meeting Minutes

➤ Initial meeting - 60 minutes

➤

#### Milestone 1

- Tasks discussion & dividing meeting - 60 minutes - Start-up meeting per day (a week) - 15 minutes

➤ Milestone 2

- Tasks discussion & dividing meeting - 60 minutes

➤ Milestone 3

- Start-up meeting per day (a week) - 15 minutes

- Tasks discussion & dividing meeting - 60 minutes

➤ Milestone 4

- Start-up meeting per day (a week) - 15 minutes

- Tasks discussion & dividing meeting - 60 minutes

➤ Milestone 5

- Start-up meeting per day (a week) - 15 minutes

- Tasks discussion & dividing meeting - 60 minutes

➤ Milestone 6

- Start-up meeting per day (a week) - 15 minutes

- Tasks discussion & dividing meeting - 60 minutes - Start-up meeting per day (a week) - 15 minutes

### 14.3 Contribution Table

<b>Student No</b>	<b>Student Name</b>	<b>Individual Contribution</b>
IT20666538	Bhagya M.G. W	Abstract Created list of figures Created list of tables Background Contributed to complete all milestones Analysing competitor 1 Contributed to finalize the report
IT20660352	P.L.P.G.D.S.Wijesooriya	Introduction Background Design process Contributed to complete all milestones Analysing competitor 1  Contributed to finalize the report
IT20137250	Rajapaksha R.C.P	Requirement specification Design principles Project management Contributed to complete all milestones Analysing competitor 2  Contributed to finalize the report
IT20230692	S.C.S.Arachchi	Conclusion References Appendix Contributed to complete all milestones Analysing competitor 2  Contributed to finalize the report