Food Waste Reduction Web Application

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Presentation Outline

1	2	3	4	5
Objectives	Introduction of our project concepts	Features of Project	Future Scope	Conclusion

1) Objectives

- The ultimate objective of this project is to communicate that investments in food wastage reduction is the most logical step in the pursuit of sustainable production and consumption, including food security, environmental effects.

- Public awareness materials and a strategy will be developed to this effect.
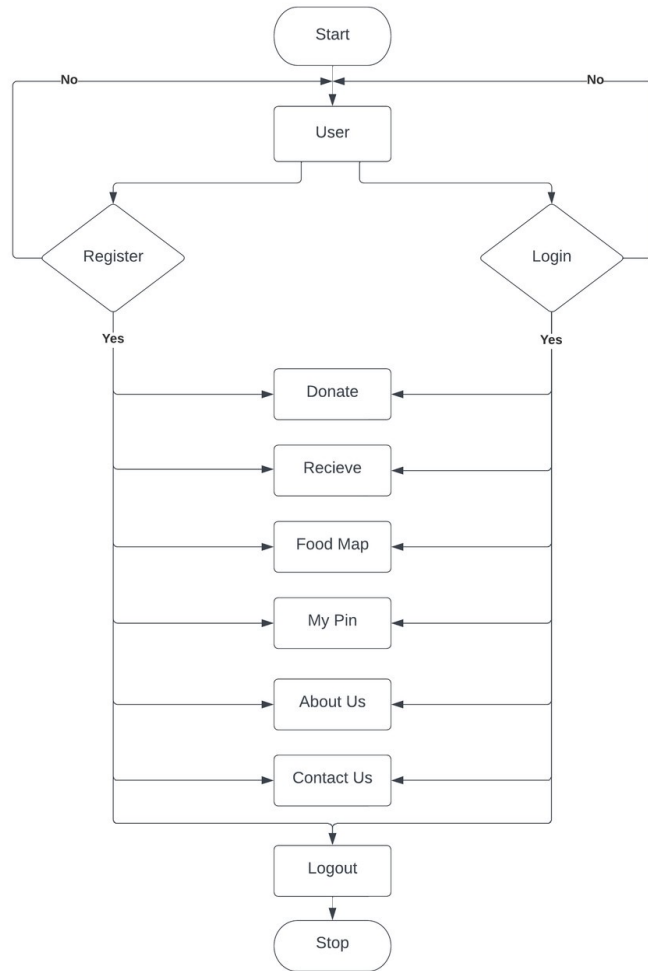
2) Concept

- In existing system if anyone have extra food because of any function or in their home it will be become waste because instantly there is no way to share with anyone if they are having lots of food.

- Even if they want to give that extra food to any orphanage or poor people they don't have time or don't have an idea about that.

- So that we have create a web application for sponsor that extra food to poor people or nearby orphanage.

Flowchart

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                        ┌─────────┐
                        │  Start  │
                        └────┬────┘
   No ◄─────────────┐        │        ┌──────────────► No
                    │   ┌────┴────┐   │
                    │   │  User   │   │
                    │   └────┬────┘   │
              ┌─────┴──┐          ┌───┴─────┐
              │Register│          │  Login  │
              └────┬───┘          └────┬────┘
              Yes                      Yes
                    ┌──────────────┐
              ├────►│   Donate     │◄────┤
                    └──────────────┘
                    ┌──────────────┐
              ├────►│  Recieve     │◄────┤
                    └──────────────┘
                    ┌──────────────┐
              ├────►│  Food Map    │◄────┤
                    └──────────────┘
                    ┌──────────────┐
              ├────►│   My Pin     │◄────┤
                    └──────────────┘
                    ┌──────────────┐
              ├────►│  About Us    │◄────┤
                    └──────────────┘
                    ┌──────────────┐
              ├────►│ Contact Us   │◄────┤
                    └──────────────┘
                    ┌──────────────┐
                    │   Logout     │
                    └──────┬───────┘
                        ┌──┴───┐
                        │ Stop │
                        └──────┘
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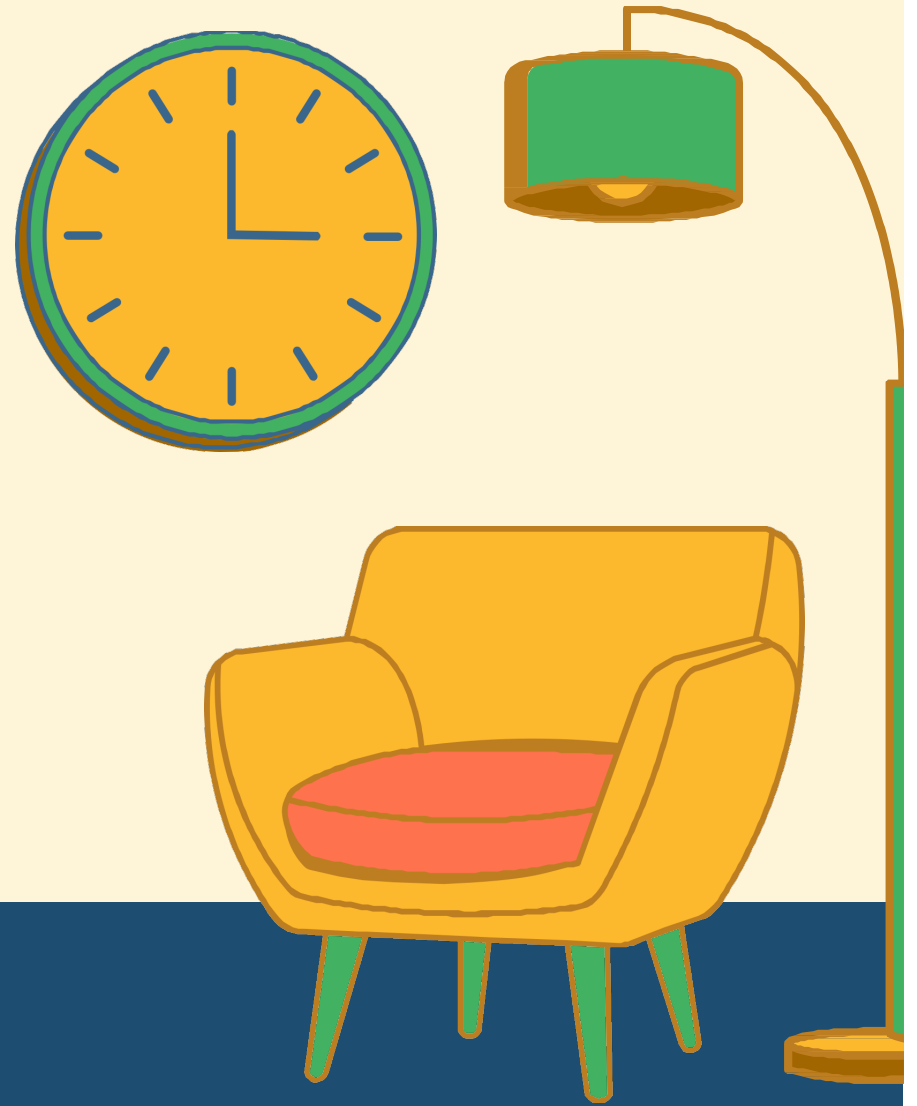
System Design

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 ┌──────┐      ┌──────────────┐      ┌────────┐    ┌─────────┐   ┌──────────┐
 │ User │─────►│ Food Waste   │─────►│ Donate │───►│ Firebase│   │ Donator  │
 └──────┘      │ Reduction    │      └────────┘    └─────────┘   │ Details  │
              └──────────────┘      ┌────────┐    ┌─────────┐   └──────────┘
                     │         ────►│Recieve │───►│ Firebase│   ┌──────────┐
                     │              └────────┘    └─────────┘   │ Reciever │
                     │              ┌────────┐    ┌─────────┐   │ Details  │
                     │         ────►│Food Map│───►│ Firebase│   └──────────┘
                     │              └────────┘    └─────────┘   ┌──────────┐
                     │              ┌────────┐                  │Availablity│
                     │         ────►│ My Pin │                  │ of Food  │
                     │              └────────┘                  └──────────┘
                     │              ┌────────┐
                     │         ────►│About Us│
                     ▼              └────────┘
               ┌─────────┐         ┌────────┐    ┌─────────┐   ┌──────────┐
               │ Firebase│    ────►│Contact │───►│ Firebase│   │User Details│
               └─────────┘         │  Us    │    └─────────┘   └──────────┘
                                   └────────┘
               ┌──────────┐        ┌────────┐
               │   User   │   ────►│ Logout │
               │Information│        └────────┘
               └──────────┘
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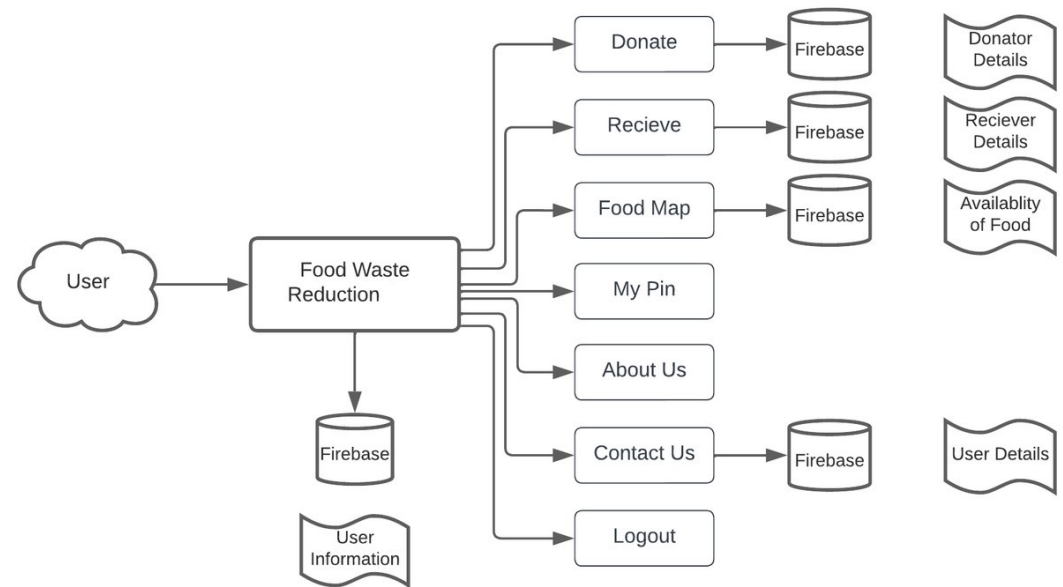
3) Feature of Project

1. Login
2. Register

- Donate
3. About Us

- Receive
4. Developed By

- Food Map

- My Pins

- History

- About Us

- Contact Us

- Logout

4) FutureScope

1. In future work, there was no standard food information system on food packages that gives the user the information of both the name of the food, as well as its expiry date.

2. The viable improvement would be get the food name from the product bar code and read the expiry date using OCR tools.

3. However, the level of ease of using this option is only slightly greater than using the manual option of filling the food information
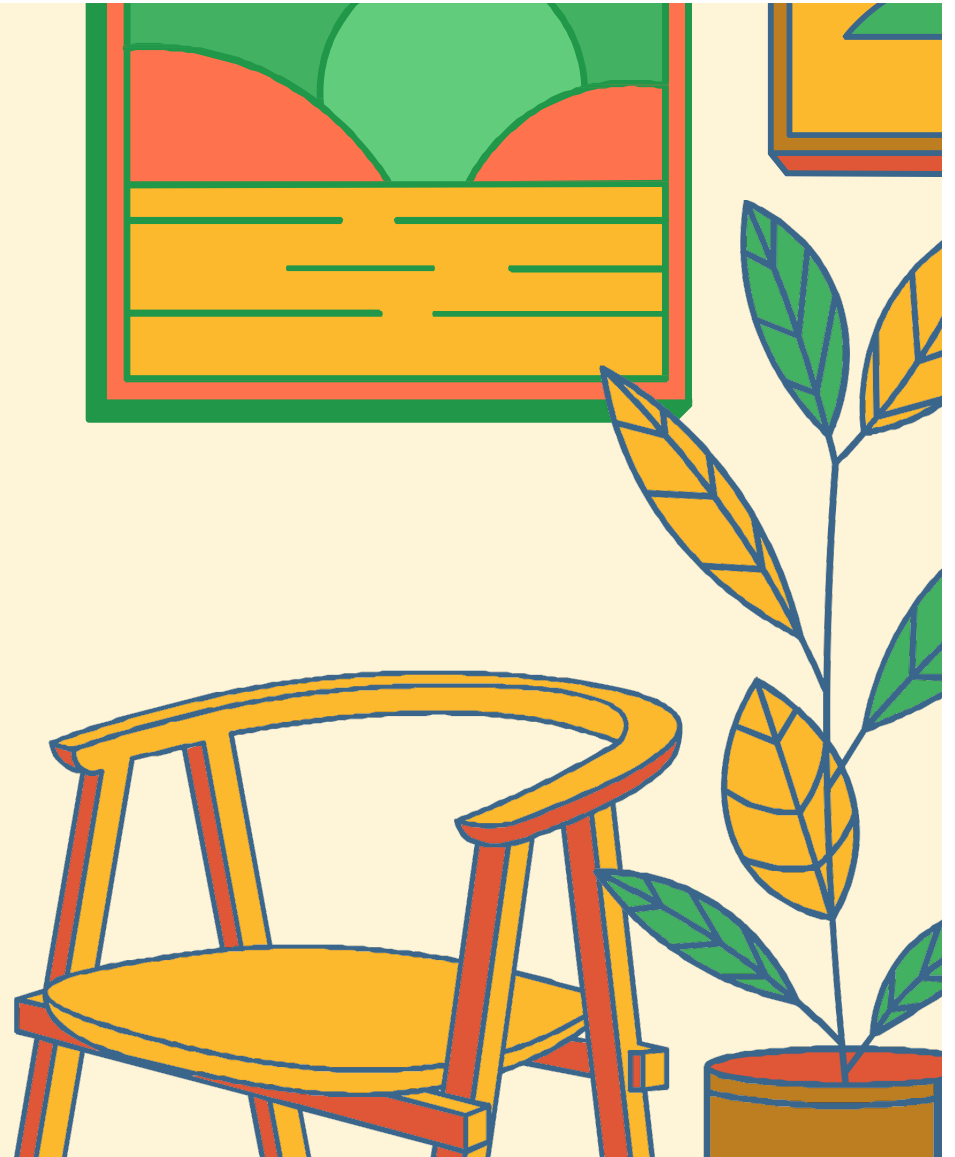
5) Conclusion

1. The proposed application shall reduce food wastage and also fulfill other requirements like clothes, books, utensils, etc. of needy organizations.

2. As mentioned above in the description there is a lot of food wastage that occurs daily at restaurants and cafes.

3. Instead of throwing away the same as trash (which usually is the scenario), it can be used to feed the homeless.

4. Also, since the pickup is arranged for by the enterprise, the restaurants/cafes need not worry about it.

5. Benefiters will be both the restaurants/cafes (reducing the carbon footprint and wastage), and the needy
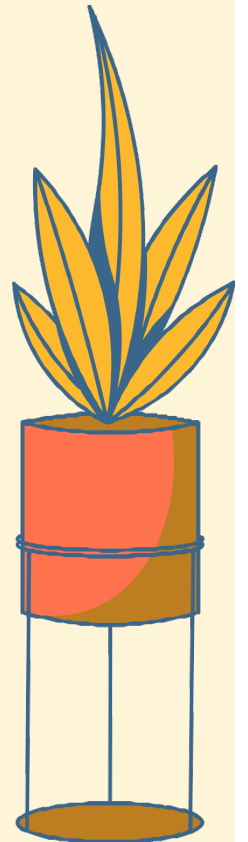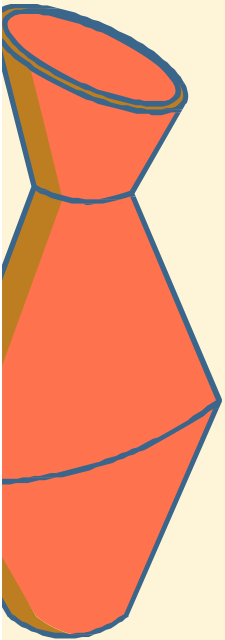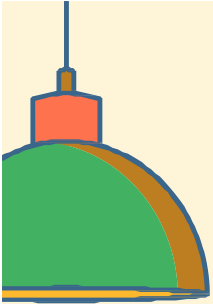
Thank you for listening!

Don't hesitate to ask any questions!