TOPIC: MINI PROJECT SYNOPSIS ON FOOD MANAGEMENT SYSTEM

Submitted By

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DECLARATION

Team member

- SANYAM JAIN
- PRIYANSHU RAJPUT
- ASHUTOSH TRIPATHI
- SHASHANK UPADHYAY

Roles

ASHUTOSH TRIPATHI :- FRONTEND AND BACKEND

SHASHANK UPADHYAY :- DATA BASE

SANYAM JAIN :- FRONTEND AND CONTENT PREPARATION

PRIYANSHU RAJPUT :- FRONTEND AND STYLING

INTRODUCTION

Title- FOOD MANAGEMENT SYSTEM (Khaana Bachaao)
A nation could eat off the food we waste.

It is going to be a full Stack project based on a very common problem of food wastage
basically the main motive and the problem we want to solve through this project is of food wastage
In this project we will be using our technical skills as well as our social work skills and want to manage
the waste food in an effective and productive way. So that poor can get the quality food.

About the Project

In this project we gonna develop a website through which we can connect the NGO's which
work for poor children and the restaurants and party halls which dump their food after the
party So instead of dumping that food restaurants can contact or upload the food quantity
available on our website and nearby NGO's can collect the data and provide the food to the
poor.

Basically our website will become a platform for every NGO to get the data for free
food.Through our website it will be easy for restaurants to search for such NGO's or such
needy people. And we hope for good support from the government of INDIA for this social
work in coming future.

Primary Reason to Choose This Project

In engineering we learn different technical skills which we can use in different fields, so what
else can be better than this.

if we start our journey with such a good cause and with such a positive and useful idea
Basically we want to help others with what we have, so at this particular stage we only have
our skills and we want to help poor people with our skills also we want to motivate others to
do such social work.

The Main Objective of the Project

A drastic increase can be seen in food waste. As per data given by Food and Agriculture Organization
(http://www.fao.org/food-loss-and-food-waste/flw-data), 1/3rd of food produced for human consumption is wasted globally, which accounts for almost 1.3 billion tons per year. On the other hand, also as per WHO 20% of the population face extreme food shortages We have seen many people in India die daily because of hunger. Hence there is a need to come up with a solution that can avoid food waste & can help feed the needy.
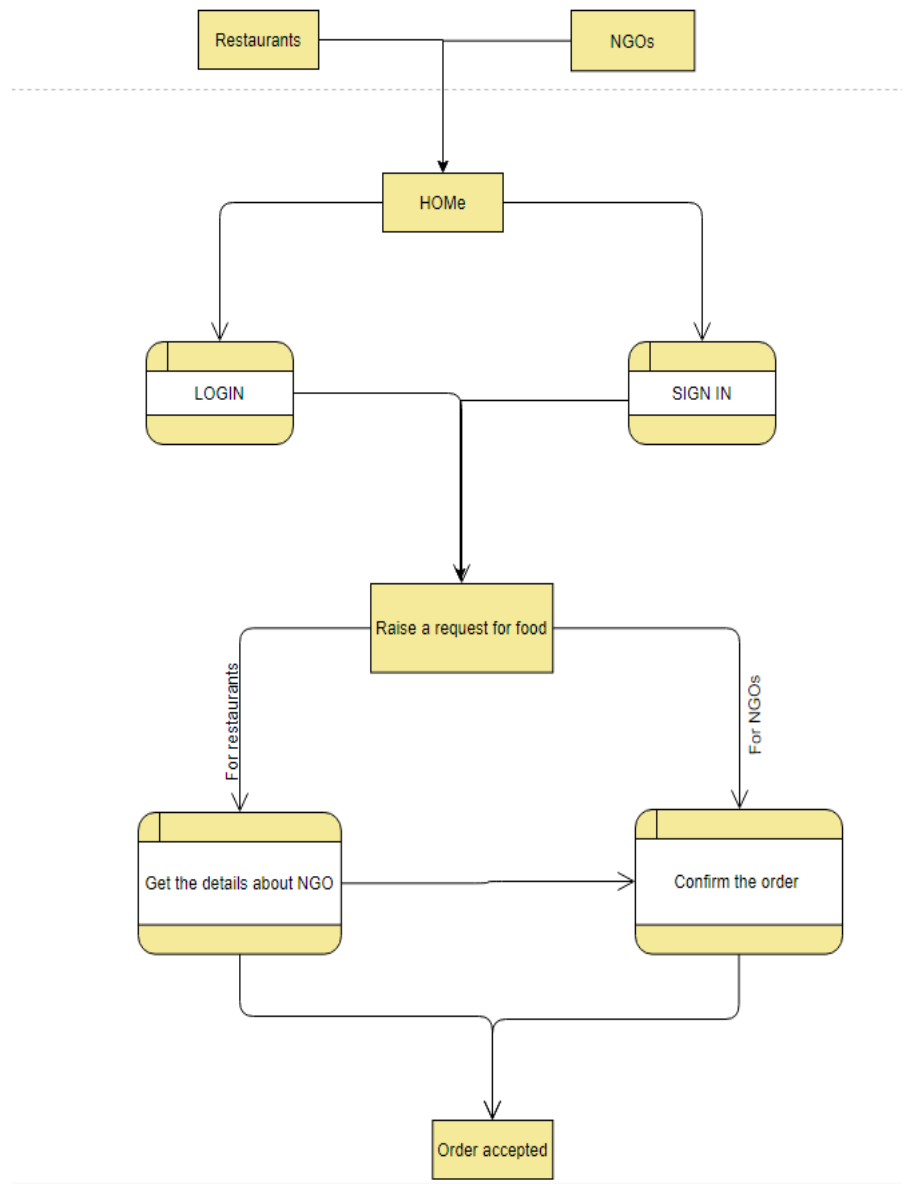
Scope of the Project

- To decrease the amount of food waste
- Help NGOs and poor people who can't afford food
- Provide a good platform where for NGOs and restaurants

Working Methodology Of the Project

In this system, we have tried to reduce restaurant food wastage by giving waste food to NGOs. Either NGOs or restaurants will raise a request, in case of any leftover food restaurants have. This request is sent to the restaurant or NGO manager of that particular restaurant or NGO.

 The NGO Manager then approves the request and assigns it to one of the NGO employees for takeaway and forwards the request to the restaurant. The leftover food at the restaurant can be given to NGOs at the end of the day. The admin can track the history of restaurants and NGOs for the leftover foods.

Data flow diagram level 0

Restaurants ─────────────────── NGOs

HOMe

LOGIN ───────── SIGN IN

Raise a request for food

For restaurants   For NGOs

Get the details about NGO ─────────► Confirm the order

Order accepted

SYSTEM REQUIREMENTS

Software Required:

- Development Environment : Visual Studio code
- Web Browser : Chrome / Firefox

Hardware Requirements: -

- Processor : Intel/ Pentium
- Operating System : Windows 7/8/10
- RAM : 4+ GB • Hardware Devices : Computer System
- Hard disk : 200-500 mb

Frontend and Backend: -

Frontend :- HTML, CSS, React Js, Redux,
Backend: - Firebase for login and signup authentication and MongoDb for storing details.

FUTURE SCOPE

• Modifications can also be done according to requirements as and when think necessary.

Scope for extension into a major project

To convert it into a major project we will create a user page where anyone can contact with the ngo's or the restaurants for helping the needy one in their locality and necessary data will be provided and stored in the database.

References

1. https://www.wikipedia.org/
2. https://www.w3schools.com/