
MESSy

Group Members

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Technology Used

- HTML
- CSS
- Javascript
- React
- FireBase
- Nodejs

IDEA:

- ★ Our Main Idea Behind this project is to reduce the wastage of food in Hostel Mess and in the times of COVID allow students to go contact free by selecting the items they wish to eat through this website .
- ★ In this Web-app Mess Committee will Update the Menu of each day and from that provided menu each Student will choose the Food Items they will eat and we will store the count of student for Each food Item.
- ★ In this way Mess Committee will get to know about the count of student eating a Particular food item and then they will prepare Accordingly.
- ★ Mess Committee will also have the count of students, Who are not eating Mess Food that Day.

From where did we get the Idea for this Project

- In our Hostel Mess we have noticed that There were very less students Eating all the food items Available in the mess Menu.
- Everyday there was a large amount of leftover food which was Wasted each day.
- Also, Many Students used to order food from outside and this number goes very high on some Days like fest or after Exams.
- Sometimes, if there is any celebration, Then also a group of students doesn't eat in mess Either they go outside(Eat in Restaurant/Caffe) or order Food from Outside And food Made for them in Hostel Mess is Totally Wasted.

Some Statistics of Food Wastage in Indian Colleges

In the top engineering college IIT Bombay itself around 60-100 kg of food is wasted each day and this was in the Article of Mumbai mirror, Indiatimes newspaper.
There are Total 20 Mess in IIT bombay
Which means minimum

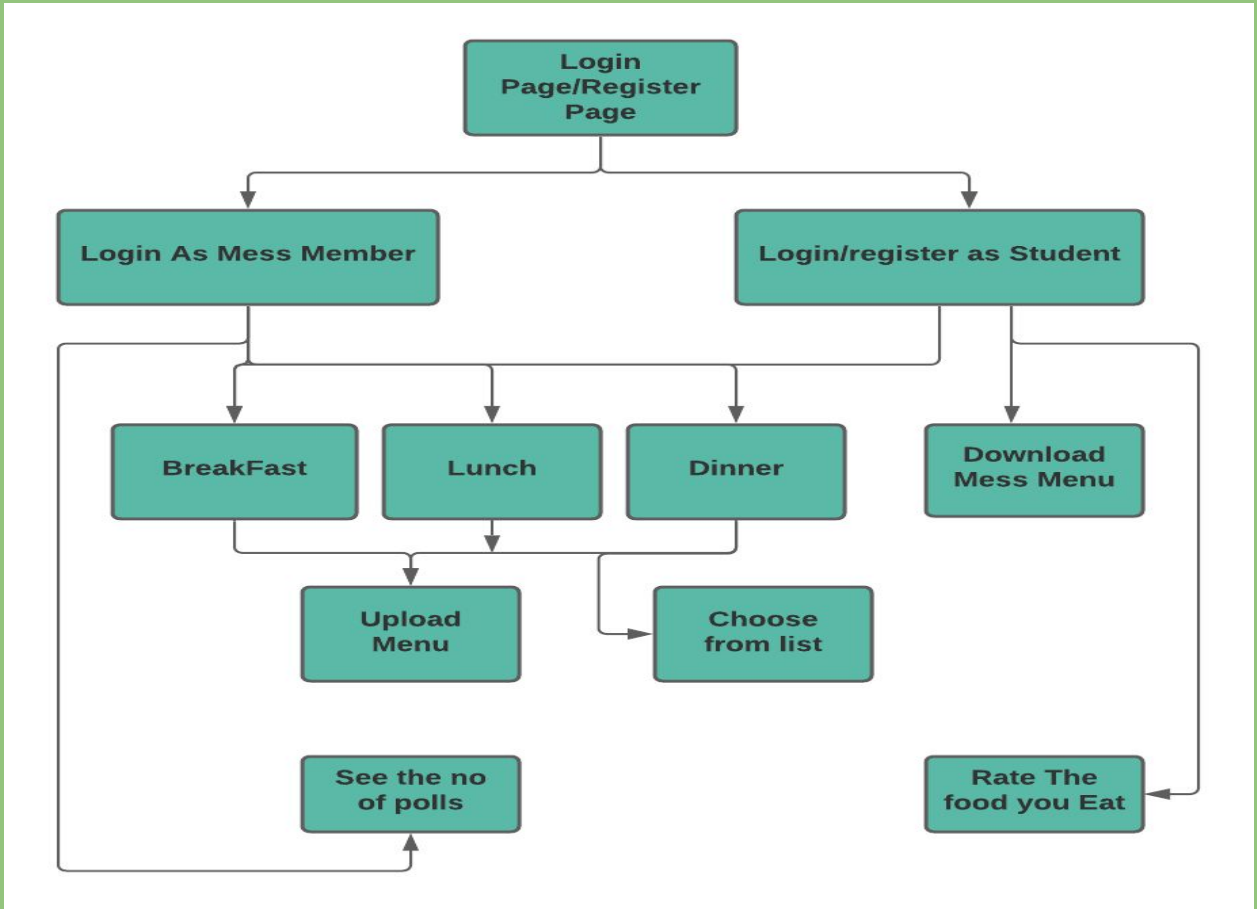
20*60=1200kg

food is wasted each day in only one College itself.

Problem That we Tried to solve

- According to a TOI report of 2013 students of IIT BHU have reported that Around 5-6 kg of food is wasted each day and in each Mess And their are a total of 13 Mess in Their campus.
- The Scenario is still same in almost every College of INDIA.
- In COVID prevailing scenario, students can select the items on the website and then the messmembers can give them exactly those items
- As the student record for the days they have eaten will be there, next they can easily get the refund of the days in which they have not eaten.
- This will also act as a quality check for the mess members as the no of students choosing the food will show how many of them like it.

Block Diagram



Working of our Web-App

- First of all a signup page will open and ask for login as Student or Mess-Member.
- If you are a new user then register here by clicking on Sign-up then we will store the user information in firebase.
- Then if you will login as mess-member then Mess Member Page will open And then you can upload the Menu of Breakfast, lunch or Dinner by Clicking on Add-Items Button.
- If you will login as Students then Student Page will open and you can select food items from the Menu which you want to Eat.

How this Application helps in reducing Food wastage

1. Mess people will have exact count of Student eating a particular food item, And then they will prepare food accordingly.
2. Mess People will have exact count of people who will order food from outside or will not able to Eat Mess food.

Future Plan for Enhancement of our Project

- ★ We will use AR(Augmented Reality) so that Students can see Picture of food.
- ★ We will Add a feature That Mess member can just upload the menu by just scanning it like Whatsapp web There will be no longer requirement to write it.
- ★ Through this we can only Minimise food wastage not Stop so in future we will connect this app to Ngos that are running in the city too. They will be informed through the app that how much amount of food is leftover of that day and they can come and use it
- ★ We will work more on our UI/Ux.
- ★ Shifting to MongoDb from Firebase.

Refrences

- StackOverflow
- React Documentation
- W3 School