

SOFTWARE REQUIREMENT SPECIFICATION

CIBUS

A SOFTWARE FOR TRACKING MEALS IN HOSTEL



*Submitted by
3rd Year CSE Undergrad*

RUSHALI SARKAR

34900119022

MADHUMITA SAHA

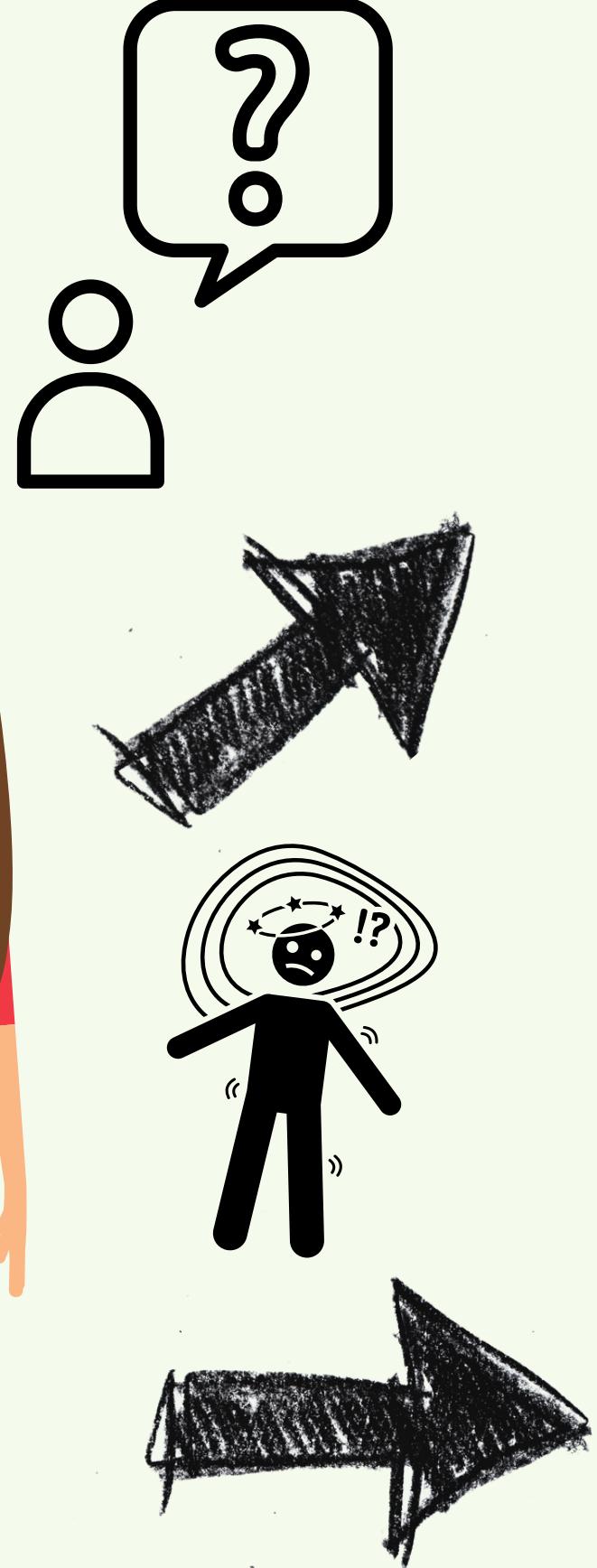
349001190001

SREEPARNA SINGHA

34900319014



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**Hand-written food chart creates so much confusion.
Overwriting, everyone using the same paper makes it a mess. The paper sometimes is torn and I don't get place to put my entry**

Often forgetting to enter status in chart while being in the hostel. Need to do something about this memory. I wont have have lunch today but I forgot to inform the warden.

Problem Analysis

After we entered the hostel the first problem that clicked our mind was the meal management system. We had a chart paper pasted on the hallway wall which everyone was supposed to edit manually, every day. Sometimes the chart paper used to tear down or there were overwriting marks that made it pretty difficult to decipher. To add to the problems every week someone from our year was elected who had to make the chart paper by hand. We always thought if some robot could automate the process. Sometimes we had to wait for hours in the kitchen as often there was delay in meal making process.

Problem from the other side

The problem was not only was with us. Even our cook was so fed up with having to come every day to collect information from the food chart. Sometimes, a few girls forgot to update it while being in the hostel, and more than often there was wastage of food. Moreover, our chef was tired of having to repeat the same menu to everyone multiple times a day. Keeping track of who wants veg and who wants non -veg was another difficult task to do,

There is so much excess food every day. Can't everyone inform me whether or not they will take their meals in time ? Is it that difficult ?

The Food Chart is always so dirty and they mange to tear it everyday! How is anyone supposed to read and understand this ?



Wastage of Food

Time
consuming



Difficulty in data
update

**Thorough study of the
problem statement**

Vulnerability to
manipulations



Difficulty in
data
maintainence
Waste of human
and material
resources

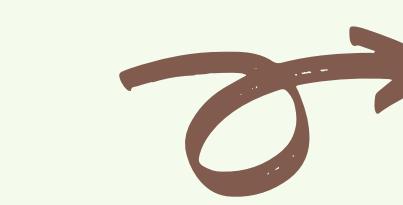
1

Everyone writing in the same chart makes the chart dirty and the chart paper is tears down



2

Students often forget to enter their meal requirements while in hostel



4

Frequent wastage of food due to lack of proper information of meal supply



3

Difficult for staff to read the chart paper with so many people editing it manually

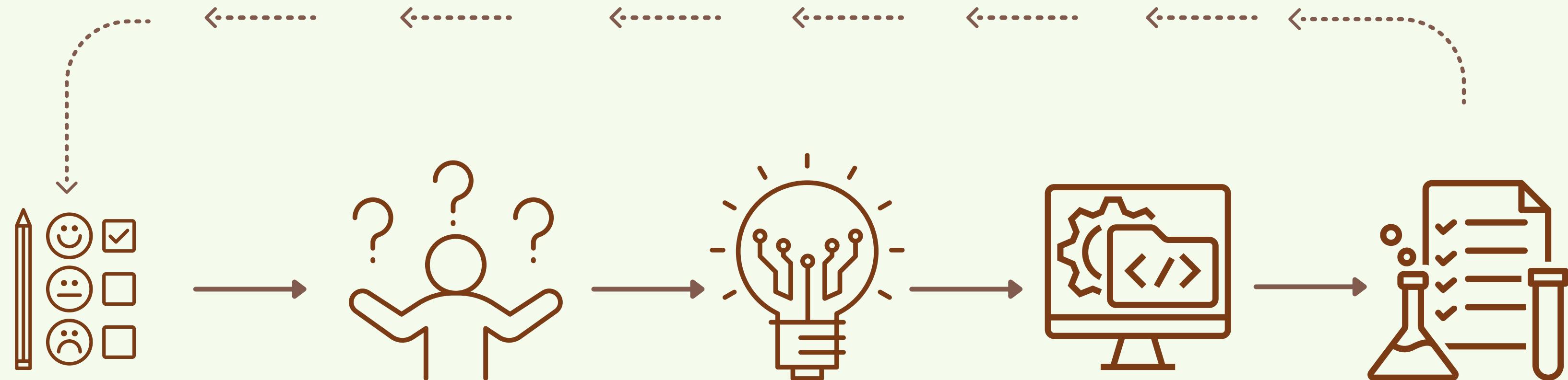
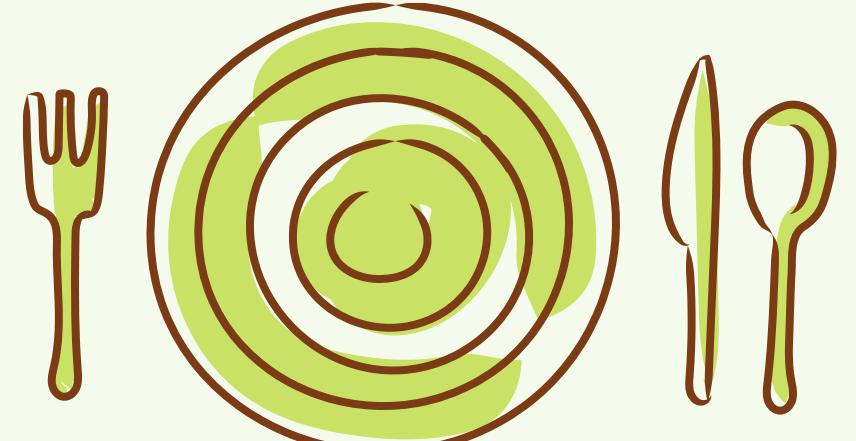


Purpose



A reliable documentation is always a must needed think for a well-structured project. The presence of documentation helps to keeps track of all, aspects of an application and it improves the quality of a software product. This documentation identifies clearly about Hostel Meal and Account Management System that are providing help to successful manage hostel admin and users. This system will provide the case of use to staff of the hostel by performing all the work on a computer system rather than a paper pen approach. This approach helps improving a reliable data maintained and provides a fast efficient interface for the users of the software.

Work flow



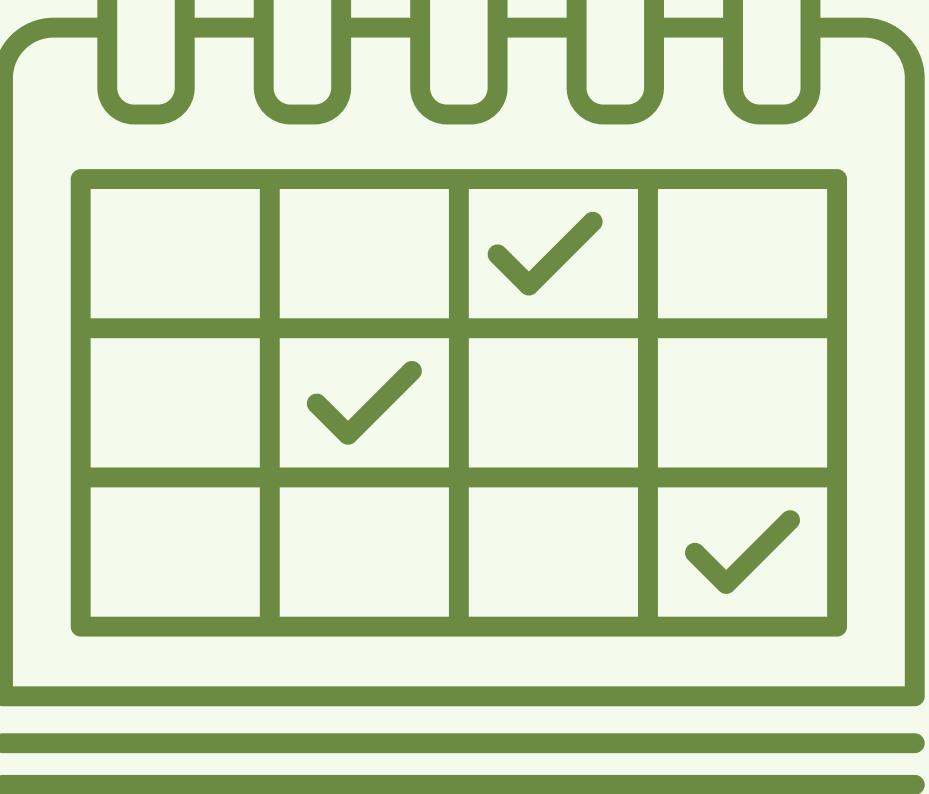
Taking inputs from everyone in the hostel about the software

Adding more features to the software after the inputs come in

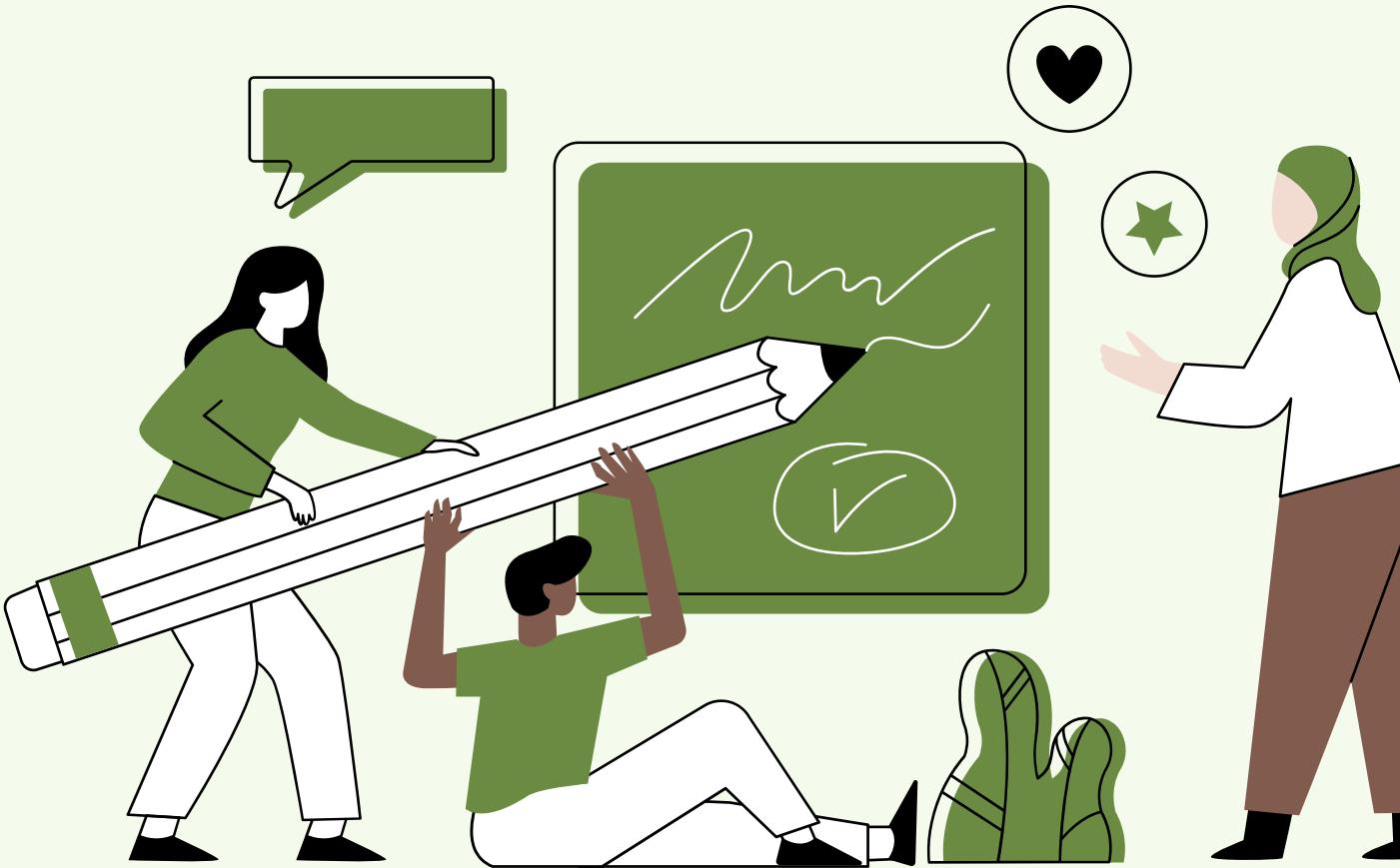
Making a proper workflow of all the tech stack and elements required

Finally getting into the development cycle

Testing Phase, where we test our app and here we restart the cycle again



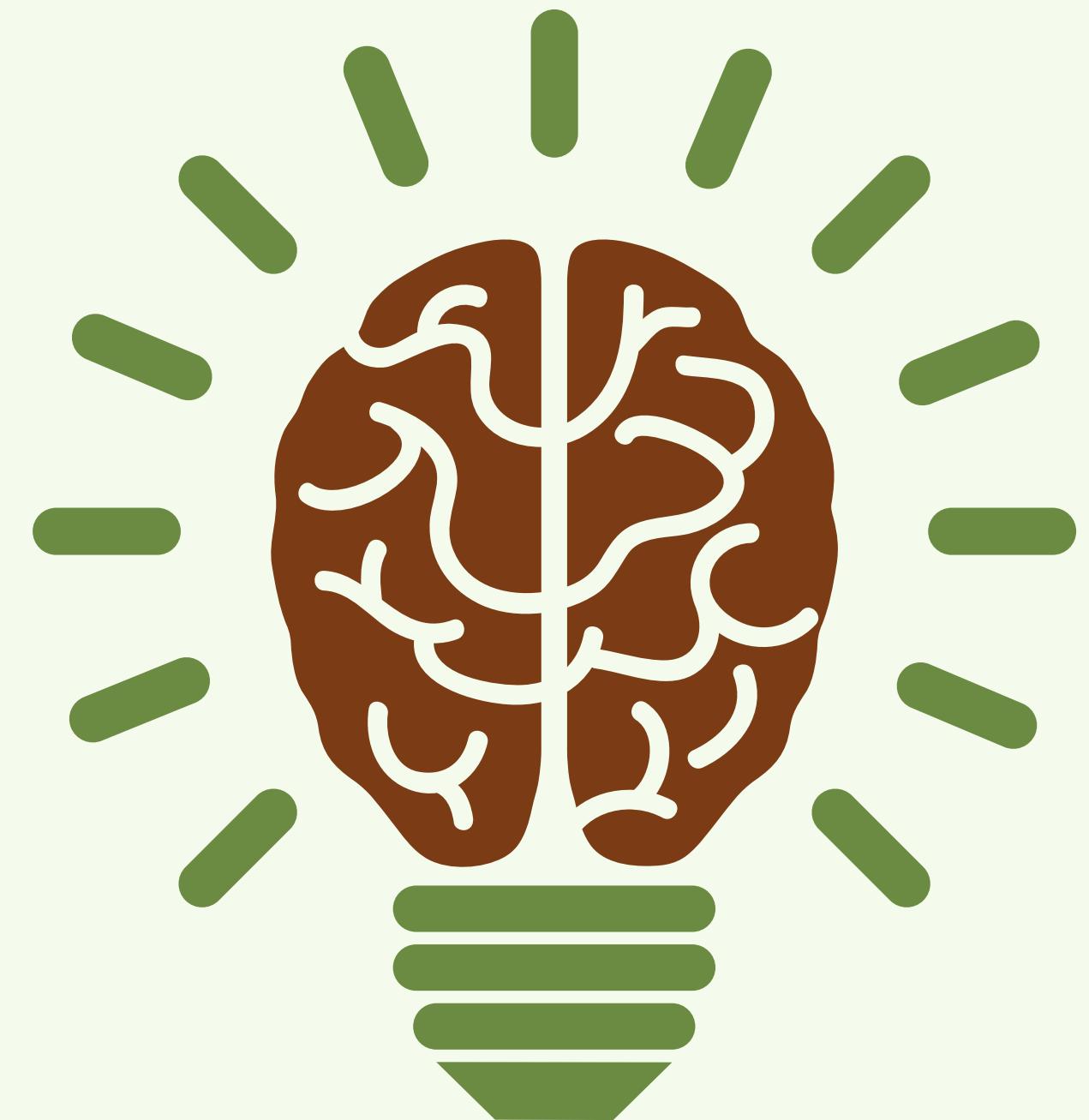
Project Planning



Planning and Analysis

Management is a process of using resources to achieve goals through various interacting elements. Essentially it involves taking decisions in order to achieve goals. Thus we can also define management as a process of decision-making and control over the action of human beings for the explicit purpose of attaining predetermined goals. This includes management of human and non-human or material resources.

Management includes several functions --- planning, organising, motivating, directing, reporting, budgeting the entire process. Here, we will plan how to avoid our problems.



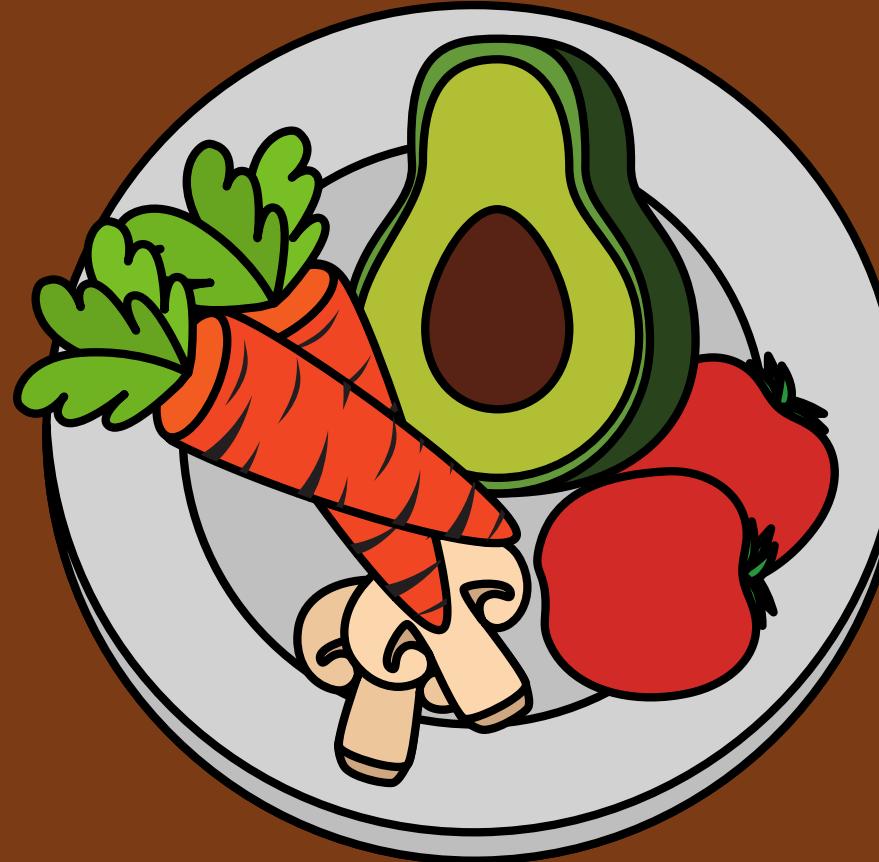


The online hostel meal attendance system is mobile-based software to provide college students accommodation to the university hostel more efficiently. This project also keeps details of the hostellers and applied students. It is headed by Warden. He/She will be administrator. For accommodate a large number of students into hostel. We have seen over the years that process of manual attendance has been carried out across almost all educational institutions. The process is not only time consuming but also sometimes inefficient resulting in the false marketing of attendance. Today we need not maintain pen and paper based attendance registers. Following this thoughts, we have proposed an attendance monitoring system based on concept of Wi-Fi which is implemented as an online mobile application that communicates with the database residing on a remote server. The purpose of developing attendance management system is to computerized the tradition way of taking attendance. Another purpose for developing attendance management system this software is to generate the report automatically at the end of the session. The scope of the project is the system on which the software installed, i.e. the project is developed as a desktop application, and it will work for a particular institution.



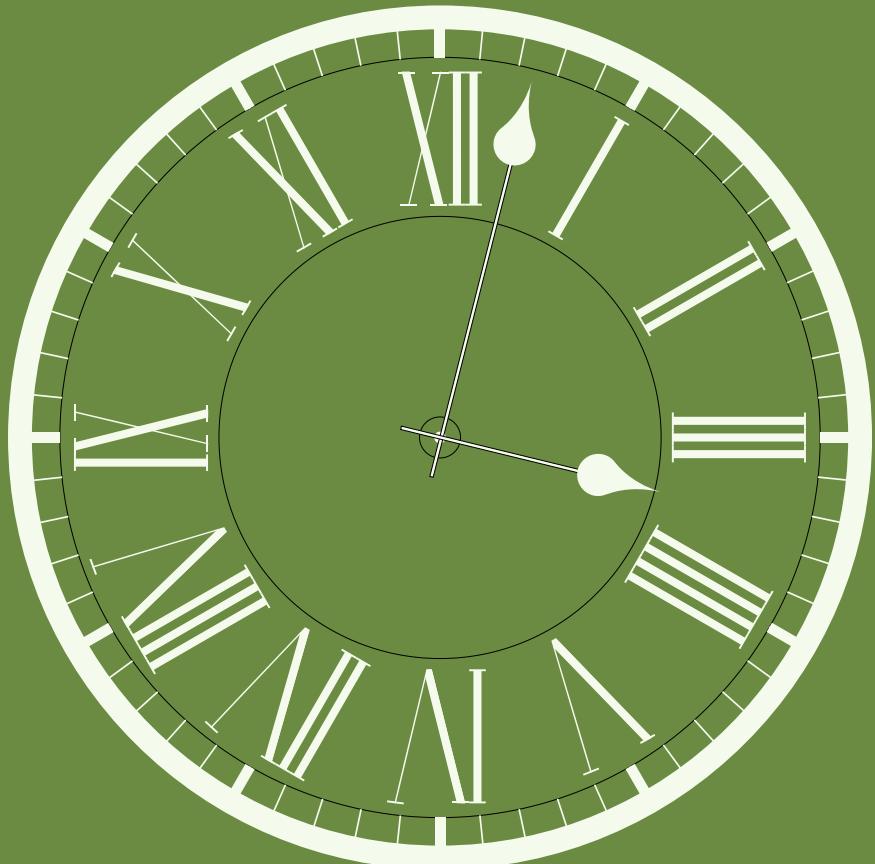
To use this software we will give our attendance daily that we will take our meal or not. If someone thinks that she/he will do their lunch but not take their dinner, they will only give their attendance for lunch and so on. If this software is followed by us, then it will be very easy and manageable process.





Now, we come to a very important thing. If someone is vegetarian then he/she only choose(tick) veg foods , then he/she will be provided veg food and who will take non-veg , will choose(tick) non-veg items. We think, this process is very fast. All these informations will go to the warden through this software and hostel's chef will be instructed by the warden.





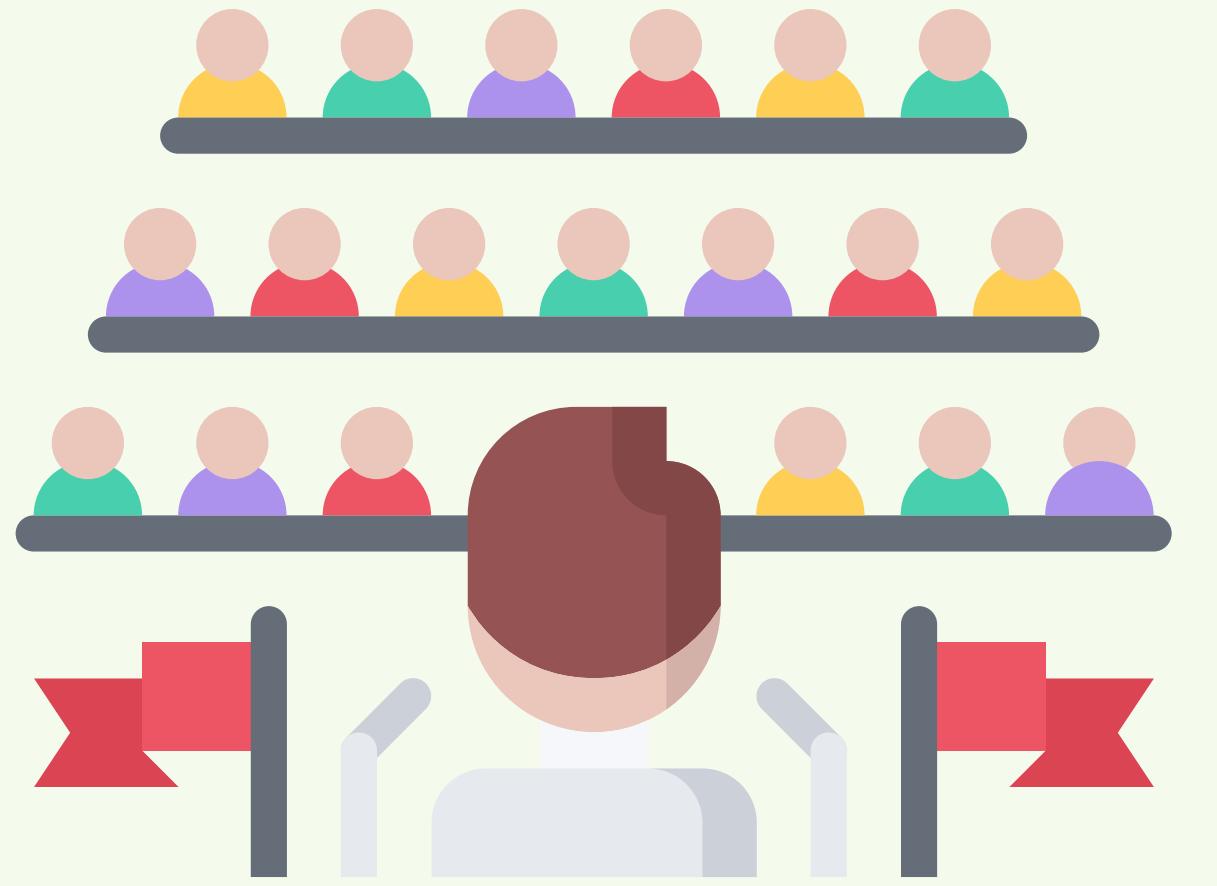
More important thing is to conserve time.

Through this software we will get a notification for lunch or dinner. The problem we faced was that, we went to kitchen for taking meal but sometimes meals were not ready, then we had to wait until meal was ready. If we follow this process then we can save our time.



Project Scope

Identifying the target audience





All Hostellers who
are fed up with
putting manual entry
for meals

Hostel Chef can now
be relieved of his extra
job of deciphering
everyone's handwriting



The proposed system provides solution to the problems of traditional method of managing hostel food facilities. The system attempts to improve institutions' hostel services for stakeholders - administrator, management and students of the hostel. The hostel facility management software is user-friendly application package specifically designed to automate, coordinate and look after all the processes of managing hostel food facility. It is useful especially in large educational institutions with college hostels, school hostels, and organization with working employees' hostels. All the functions that hostel mess community entails can easily be managed by hostel food management software.

Understanding the software infrastructure

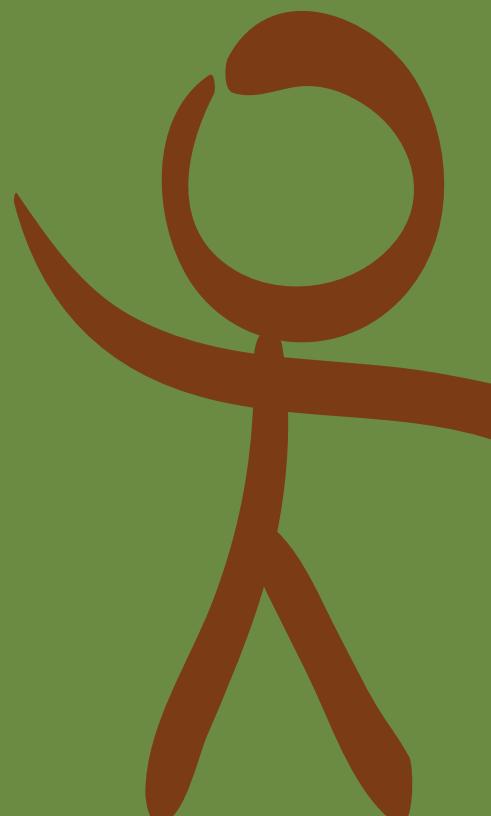


There will be two interfaces



Interface for hostel authority open and close meal slots

Interface for hostellers to update meal information



HOSTELER

REGISTERED
USER

UNREGISTERED
USER

USER LOGIN PAGE

HAVE TO GET REGISTERED
BY HOSTEL AUTHORITY

WHEN NEXT MEAL
SLOT OPENS

UPDATE FROM ANYWHERE
WHETHER OR NOT THEY ARE
GOING TO TAKE MEAL

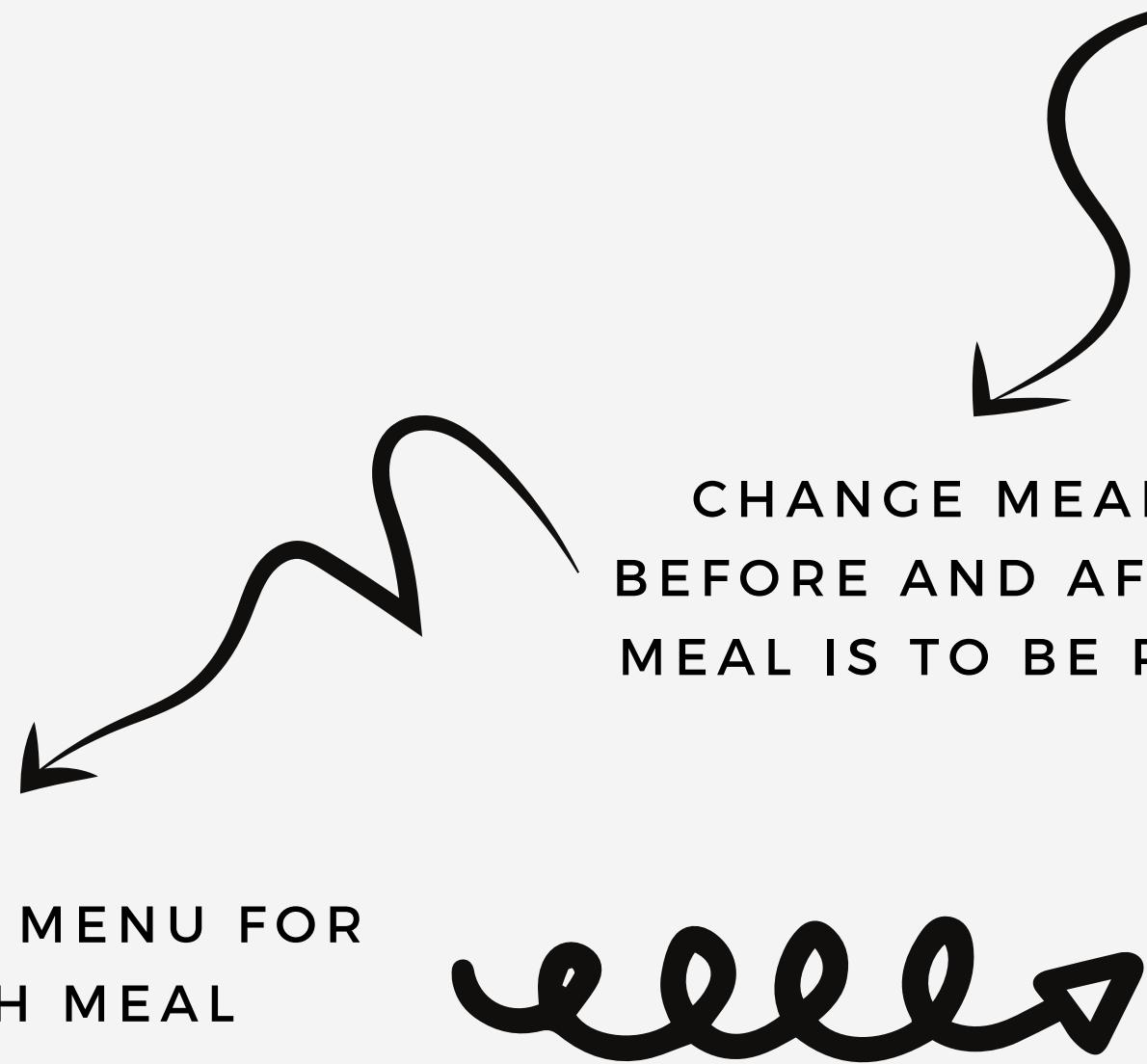
SELECTED TO
TAKE NO MEAL

SELECT TO TAKE
MEAL

WAIT FOR
THE NEXT
MEAL
DETAILS TO
OPEN

VIEW THE
MENU AND
SELECT THE
DESIRED
MEAL LIKE
VEG OR NON
VEG

UPDATE MENU FOR
EACH MEAL



REGISTER HOSTEL
STUDENTS SO THAT THEY
CAN UPDATE THEIR DAILY
MEAL INFORMATION

STATISTICALLY VIEW HOW
MANY MEALS TO BE MADE





Thank you!