Rayat Shikshan Sansthan's

C. D. JAIN COLLEGE OF COMMERCE, SHRIRAMPUR

A project Report On

"Mess Management System"

Submitted To

University of Pune

In Partial Fulfillment of the Requirement Of

BBA (CA) – II

(Bachelor of Business Administration in Computer Application)

Submitted By

Mr. Bodkhe Nilesh **Mr. Vishwambhar Sumit**

Under Guidance Of

| Mr. Joshi P. D |

During Academic Year: **2021-22**

RAYAT SHIKSHAN SANSTHAN 'S

C. D. JAIN COLLEGE OF COMMERCE, SHRIRAPUR

CERTIFICATE

(Department Of Computer Application)

This is certify that project entitled **"Mess Management System"** submitted by **Mr. Bodkhe Nilesh Laxman & Mr. Vishwambhar Sumit Bharat** student of **BBA(CA) - II (Bachelor of Business Administration And Computer Application)** had satisfactorily completed the project during the academic year 2021-22.

Date:

Project Guide:
Mr. Joshi P.D

Head of Department
Mr. Chandratre Y. V.

Internal Examiner

External Examiner

Acknowledgement

We are happy to present the project

"MESS MANAGEMENT SYSTEM "

How Much the Statement This Project Is the Result Of
Our Hard Work Is True, the Support from All of Our Guide
Mr. Lande Sir and **Mr. Joshi Sir** Along With Other
Respective Teachers Is Worthy As Too!

We, Throughout This Project Get Many Bugs,
But As Motivated By **Mr. Nabage Sir** About The
Project Management & Debugging Of the Bugs,
We Tried Overcame Them All.

Apart From All, We Would Glad To Make Acknowledgement
Towards The Supportive Teachers
, Non-Teaching Personnel, And Our Classmate
To Keep A **Creative** And
"BOUNCE **BACK"** Environment For Us.

Place:
Date :

- **Vishwambhar Sumit & Bodkhe Nilesh**

DECLARATION

We **Mr. Vishwambhar Sumit** and **Mr. Nilesh Bodkhe** Student of BBA (CA)-II, C D Jain College of Commerce, Shrirampur Declare That the Project Entitled **"Mess Management System"** Have Been Completed Successfully & This Project Is Submitted Towards the Partial Fulfilment of the Requirement Of The Degree of BBA(CA). This Project Is Not Submitted For Any Other Degree, Diploma or Other Similar Title or Prize in Any Other University.

Place: Shrirampur

Date: / / 2022

Signature :

Name of student : Vishwambhar Sumit Bharat

Signature :

Name of student : Bodkhe Nilesh Laxman

Index

Introduction

For simplicity and better understanding of the mess manager, this software is designed in **English language.**

It would avoid confusion and help to operate the software easily. Also, such a software that is easy to use will reduce the work of **mess managers** who still maintain all the logs in **registers** and **files.** It would be of great benefit as all calculations would be done easily on the click of a button.

The software allows users to **access** and **mark** their attendance through this software. It also enables customers to look dishes from the **available menu of the day.**

The menu will be decided on the available weeks supply of vegetable. **Admin** can **delete users** and **update users**.

The software also has different features for both **customers and managers.**

Customers can update their profile and give feedback to mess manager.

Customers can see menus of **today, tomorrow** and **weeks**. Also time and notices.

-Motivation

We are **Bodkhe Nilesh** And **Vishwambhar Sumit** from **S.Y.B.B.A(C.A)** we are suppose to do the project for semester four together. As a it related student or technical student for the project we have to make a web site as our background is commerce specifically so we suppose to add transactions like activities in our project or web site that we going to make.

-Problem Statement:

We propose a system that will make the entire mess management an automated system. The important features of the proposed system are as follows:

The software will be made in English language as demanded by the Annapurna Mess. For security reasons, a Login feature will be provided so that only the mess manger can operate the Website. Facility to change the password will also be available. The system will also contain facility for manipulating the information of cadets seeking training in Annapurna Mess as well as generate their bills based on number of meals they have consumed.

It contain options for adding or deleting an item, viewing the current day's meals, entire weeks Meal, backup & restore option. The recovery for the entire week will be Able to change. The website will also contain the diet charts so that the manager can refer these and plan the cadet's meals accordingly. The website will also have access to the official site of mess, Shrirampur. In this site, the user can daily give feedback of any food item . A help module will be provided in every section of the software so that the mess Admin can refer it for better understanding. Also, snapshots in every section of the help module will be provided.

- Purpose:

- The purpose of this document is to provide design details of the Mess Management software so as to allow customer and system developer to have document of reference.
- The project is an **Web Based System** used to manage daily **Details** and **mess attendance** along with menu selection processes.

- Literature:

The overall goal of this project was to firstly study and understand the existing mess management Website , then identify the limitations and contribute in the same topic with greater benefits. The main advantage of our proposed system over other existing systems is the GUI in English language. This has enabled complete understanding and convenience for the user. Also, complex calculations are done within seconds and notice are generated on the single click of a button. As the name suggests, it is a Website for maintaining any mess but it also enables handling of the information related to the students/employees who are a part of the organization. Another attractive feature in our Website which is lacking in the existing softwares is the Backup and Recovery option. All data can be stored as a copy, that is, taking backup is also possible on a single click, plus recovery of lost data in case any

failure occurs is also Not possible on a single Click.Thus, this system with great added features will serve beneficial to the people.

- Project Scope and limitations:

- The product is an **Web Based System** used to manage daily mess attendance along with **menu selection processes**. Objective of the system is to provide a user friendly daily attendance system that is easy to manage, maintain and query. Our primary focus is to develop **a paperless system** that provides the management a way to facilitate **smoother functioning** of the mess system.

  System does not required higher configuration of PC and it is simple to install. Our system is not so much complicated as compare to other system present in the market the PC should have the at least 4 GB ram so the system work properly . We not accepting too much data from customer so no security issues is there .

- **Limitations :**
  - To Overcome Various Issue Mentioned In Introduction Of Web-Based Application, We Here Make One Changes To Put The Data On Server, It Can Be Remote Anywhere, Recently “Cloud Servers” Can Be Used Which Make Our End User A Cost Efficient Deal.

System Analysis

The purpose of this document is to present a detailed description of the **Mess Management System**. It will explain the **purpose** and **features** of the system,

the interfaces of the system, what the system will do, the constraints under which it must operate and what kind of system interactions take place.

WHY WE NEED THIS? :

- We Need This System To Manage Customer Details And Mess Simultaneously In **A Synchronous Manner**.
- To Overcome The Drawbacks Of Existing System Till The Date.
- And As The Concept WEB Is Building In Various Other Industries, So We Try To Create **A WEB** Based **Mess Management Software.**

- EXISTING SYSTEM:

There Are Hundreds of Software Already **In Market Providing**
Facility of Mess Management.

BUT,

They are not a specialized in this facility, From Personal Experience to Handling This website, They Provide Other Facilities Like **Meal Managing , Attendance** ,**Delete user** ,**pay fees** Etc.

So Cause Of, Not Focused, There Are Some Functional Bugs in Them, We try to conceptualize this bug into a new solution to **the Inventory management**.

- Scope & Limitation of Existing System:

System does not required higher configuration of PC and it is simple to install. Our system is not so much complicated as compare to other system present in the market the PC should have the at least 4 GB ram so the system work properly . We not accepting too much data from customer so no security issues is there .

-Limitations :

To Overcome Various Issue Mentioned In Introduction Of Web-Based Application, We Here Make One Changes To Put The Data On Server, It Can Be Remote Anywhere, Recently “Cloud Servers” Can Be Used Which Make Our End User A Cost Efficient Deal.

- project perspective, features

We developed the project that defiantly overcome the limitation of existing system of the organization . The documentation maintenance problem will be solve after installing the system provided by us a smarter and digitized way will maintain through out the system system is very easy to handle and install only we need a basic known person of computer who can handle the system efficiently.

Our system configuration need is not very high we demand the basic configuration the computer have where system will gonna be installed 4 GB RAM that available almost all the computer is needed to install our system.

Stakeholders :

Mess Profile

Mess Name: Annapurna Mess

Founder: Mr& Miss Pawar

Established on: 2012

Proprietor: Mr. Pawar

We visited to the “Mess”. The Mess name is “Annapurna”. The mess is near to **C.D.Jain College** campus at Shrirampur, Tal- Shrirampur . This mess was established in 2012 from last 10 years Mr &Miss. Pawar working or handling this mess. They are the owner of this Mess.They are inputted maintain all transactions & all work manually.

The Mess purchases Vegetables and Grains from different suppliers or cultivate in their farms.

Regular customers opened account which is maintained by Miss: Pawar

By using different registers and for maintained of daily visitor’s transaction also use registers.

But to maintained the record by using paper or registers, which is not easy to handle properly, this mess management software plays an important role of maintaining of item, vegetable and grain details As well as customer details, Suppliers details, transaction with customers transaction with mess system Add details order of tiffin or food.

The quick service is provided to the customers by “ Annapurna ” .

Requirement analysis

security requirements:

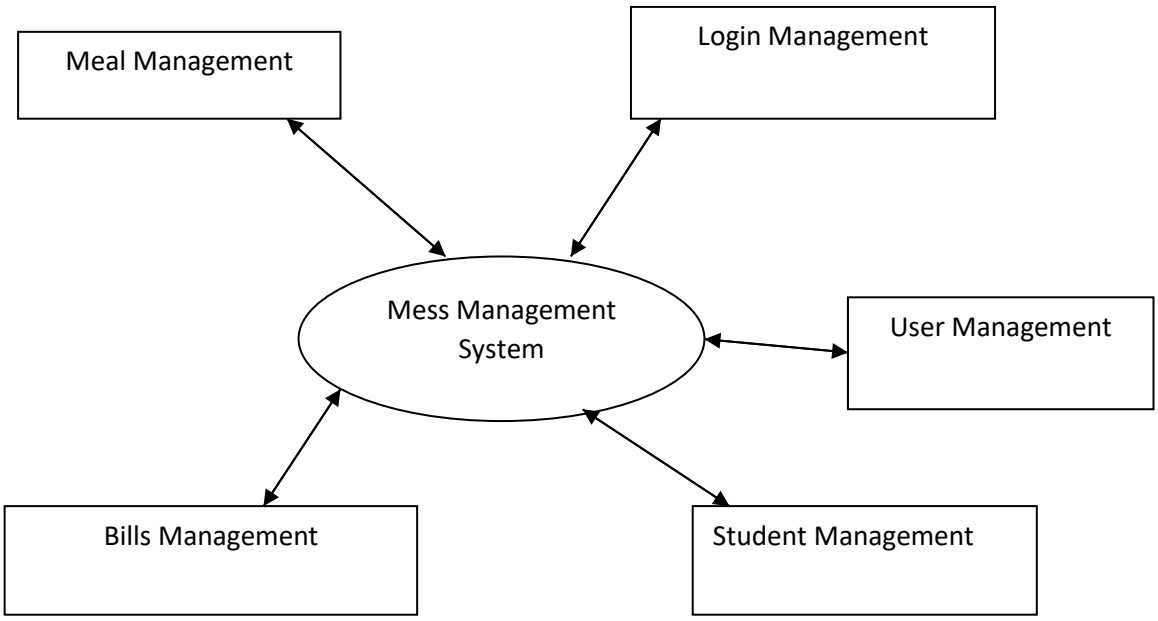
Confidentiality: preserve the access control and disclosure restrictions on information. Guarantee that no one will be break the rules of personal privacy and proprietary information.

Integrity: avoid the improper (unauthorized) information modification or destruction . Here is included ensure the non-repudiation and information authenticity.

Availability: the information must be available to access and use all the time and with reliable access. Certainly , it just must be true for those who have right of access.

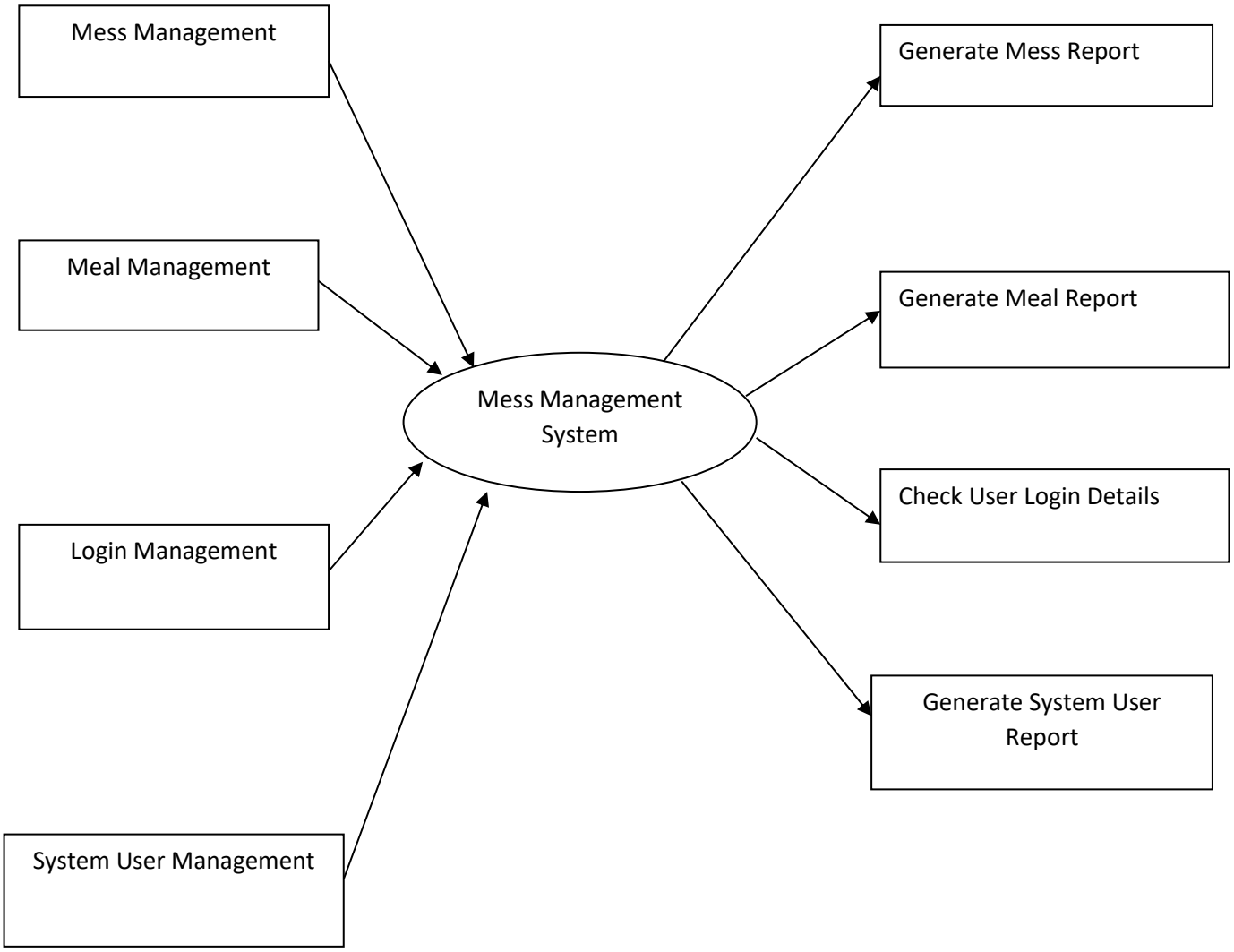
System Design

Data Flow Diagram



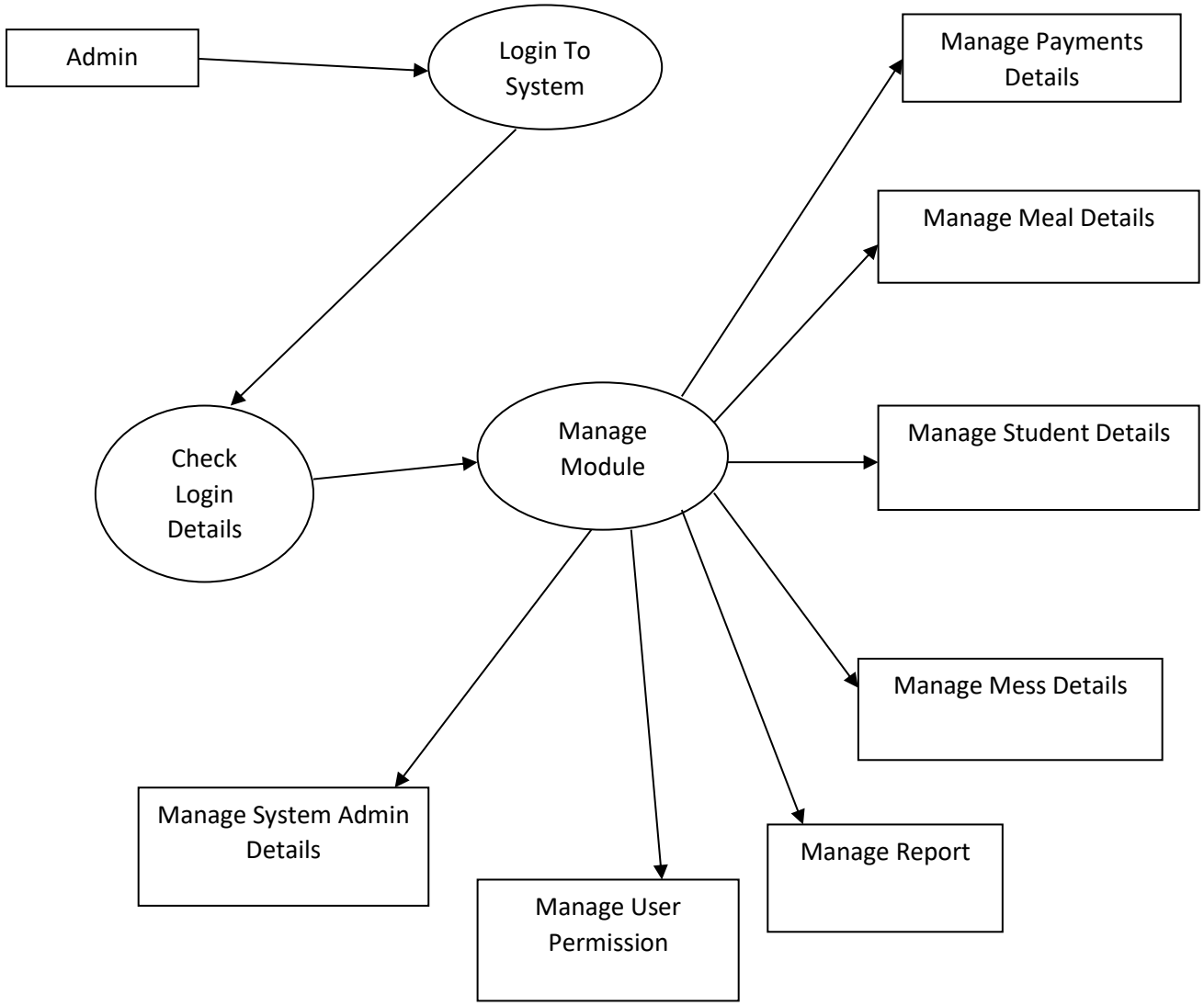
Mess Management System

Zero Level



Mess Management System

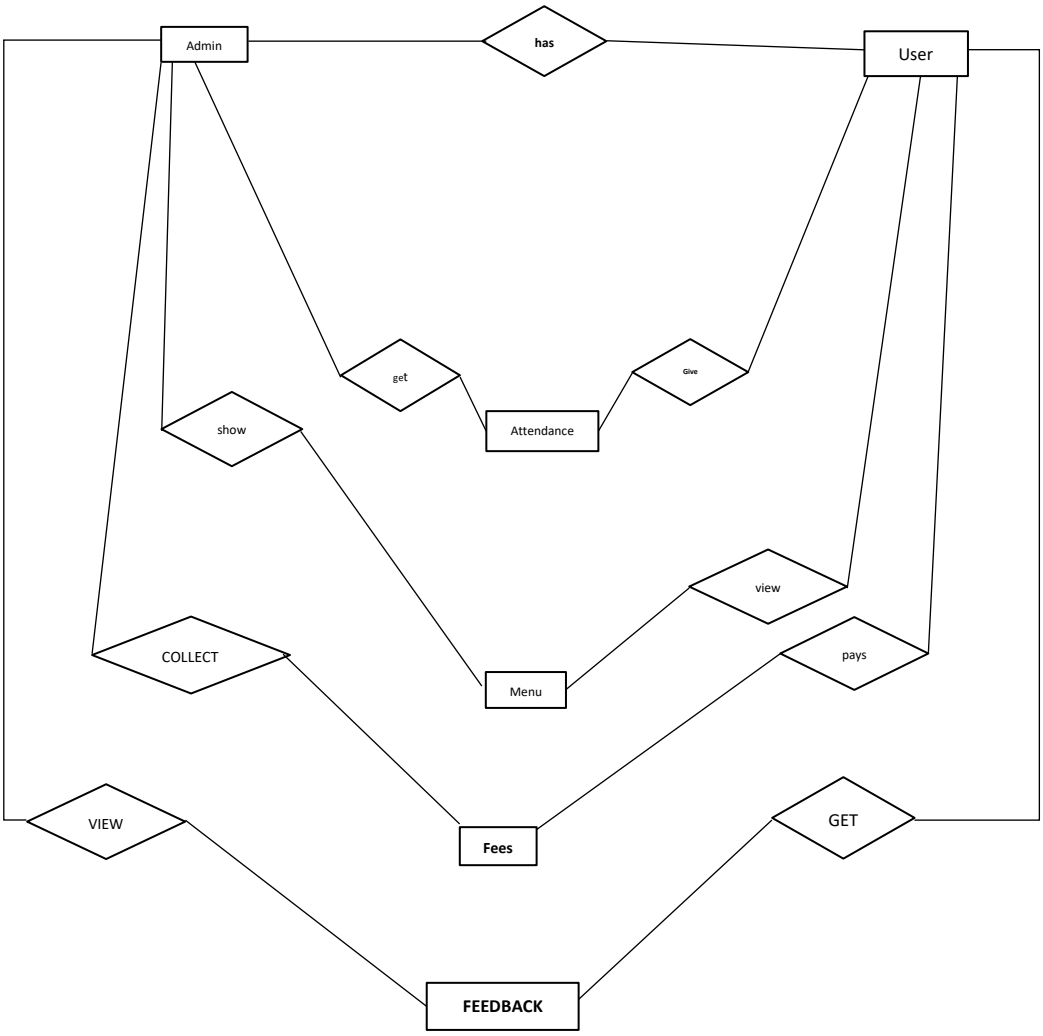
First Level DFD



Mess Management System

Second Level Dfd

ER-Diagram


Admin
has
User
get
Give
Attendance
show
view
COLLECT
pays
Menu
VIEW
GET
Fees
FEEDBACK

Data Module

Data Dictionary

To record mess management system project data we have user MYSQL database.

Database tables used –

1. **Admins** – This table is used to store the details of a admin.

```
mysql> use mess_db
Database changed
mysql> desc admins
    -> ;
+----------+--------------+------+-----+---------+----------------+
| Field    | Type         | Null | Key | Default | Extra          |
+----------+--------------+------+-----+---------+----------------+
| sno      | int(11)      | NO   | PRI | NULL    | auto_increment |
| fname    | varchar(100) | NO   |     | NULL    |                |
| lname    | varchar(100) | NO   |     | NULL    |                |
| email    | varchar(100) | NO   |     | NULL    |                |
| password | varchar(100) | NO   |     | NULL    |                |
| mobile   | bigint(12)   | NO   |     | NULL    |                |
+----------+--------------+------+-----+---------+----------------+
6 rows in set (0.01 sec)

mysql>
```

2. **Attendance1** – This table is used to store the attendance of meal1.

```
mysql> desc attendance1;
+------------+--------------+------+-----+---------+----------------+
| Field      | Type         | Null | Key | Default | Extra          |
+------------+--------------+------+-----+---------+----------------+
| sno        | int(11)      | NO   | PRI | NULL    | auto_increment |
| id         | int(11)      | NO   |     | NULL    |                |
| date       | date         | NO   |     | NULL    |                |
| attendance | varchar(100) | NO   |     | NULL    |                |
+------------+--------------+------+-----+---------+----------------+
4 rows in set (0.01 sec)
```

3. **Attendance2** – This table is used to store the attendance of meal2.

```
mysql> desc attendance2;
+------------+--------------+------+-----+---------+----------------+
| Field      | Type         | Null | Key | Default | Extra          |
+------------+--------------+------+-----+---------+----------------+
| sno        | int(11)      | NO   | PRI | NULL    | auto_increment |
| id         | int(11)      | NO   |     | NULL    |                |
| date       | date         | NO   |     | NULL    |                |
| attendance | varchar(100) | NO   |     | NULL    |                |
+------------+--------------+------+-----+---------+----------------+
4 rows in set (0.01 sec)
```

4. **Attendance3** – This table is used to store the attendance of meal3.

```
mysql> desc attendance3;
+------------+--------------+------+-----+---------+----------------+
| Field      | Type         | Null | Key | Default | Extra          |
+------------+--------------+------+-----+---------+----------------+
| sno        | int(11)      | NO   | PRI | NULL    | auto_increment |
| id         | int(11)      | NO   |     | NULL    |                |
| date       | date         | NO   |     | NULL    |                |
| attendance | varchar(100) | NO   |     | NULL    |                |
+------------+--------------+------+-----+---------+----------------+
4 rows in set (0.01 sec)
```

5. **Attendance4** - This table is used to store the attendance of meal4.

```
mysql> desc attendance4;
+------------+--------------+------+-----+---------+----------------+
| Field      | Type         | Null | Key | Default | Extra          |
+------------+--------------+------+-----+---------+----------------+
| sno        | int(11)      | NO   | PRI | NULL    | auto_increment |
| id         | int(11)      | NO   |     | NULL    |                |
| date       | date         | NO   |     | NULL    |                |
| attendance | varchar(100) | NO   |     | NULL    |                |
+------------+--------------+------+-----+---------+----------------+
4 rows in set (0.01 sec)
```

6. **Feedback** – This table is used to store feedbacks submitted by the users.

```
mysql> desc feedback;
+----------+--------------+------+-----+---------+----------------+
| Field    | Type         | Null | Key | Default | Extra          |
+----------+--------------+------+-----+---------+----------------+
| sno      | int(11)      | NO   | PRI | NULL    | auto_increment |
| uid      | int(11)      | NO   |     | NULL    |                |
| date     | date         | NO   |     | NULL    |                |
| rating   | varchar(100) | NO   |     | NULL    |                |
| feedback | text         | NO   |     | NULL    |                |
+----------+--------------+------+-----+---------+----------------+
5 rows in set (0.01 sec)
```

7. **Menu** – This table is used to store mess menu.

```
mysql> desc menu;
+-------+--------------+------+-----+---------+----------------+
| Field | Type         | Null | Key | Default | Extra          |
+-------+--------------+------+-----+---------+----------------+
| sno   | int(11)      | NO   | PRI | NULL    | auto_increment |
| day   | varchar(100) | NO   |     | NULL    |                |
| meal1 | varchar(250) | NO   |     | NULL    |                |
| meal2 | varchar(250) | NO   |     | NULL    |                |
| meal3 | varchar(250) | NO   |     | NULL    |                |
| meal4 | varchar(250) | NO   |     | NULL    |                |
+-------+--------------+------+-----+---------+----------------+
6 rows in set (0.01 sec)
```

Users – This table is used to store all the users.

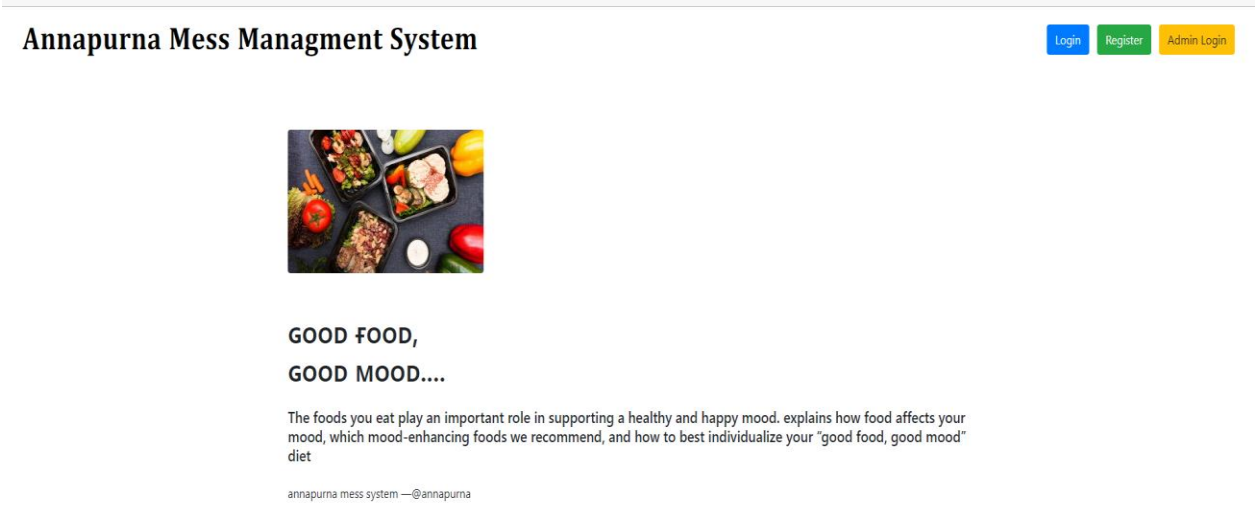
```
mysql> desc users;
+------------+--------------+------+-----+---------+----------------+
| Field      | Type         | Null | Key | Default | Extra          |
+------------+--------------+------+-----+---------+----------------+
| sno        | int(11)      | NO   | PRI | NULL    | auto_increment |
| fname      | varchar(100) | NO   |     | NULL    |                |
| lname      | varchar(100) | NO   |     | NULL    |                |
| email      | varchar(100) | NO   |     | NULL    |                |
| password   | varchar(100) | NO   |     | NULL    |                |
| mobile     | bigint(12)   | NO   |     | NULL    |                |
| address    | varchar(250) | NO   |     | NULL    |                |
| fee_status | int(11)      | NO   |     | NULL    |                |
+------------+--------------+------+-----+---------+----------------+
8 rows in set (0.01 sec)
```

Database:

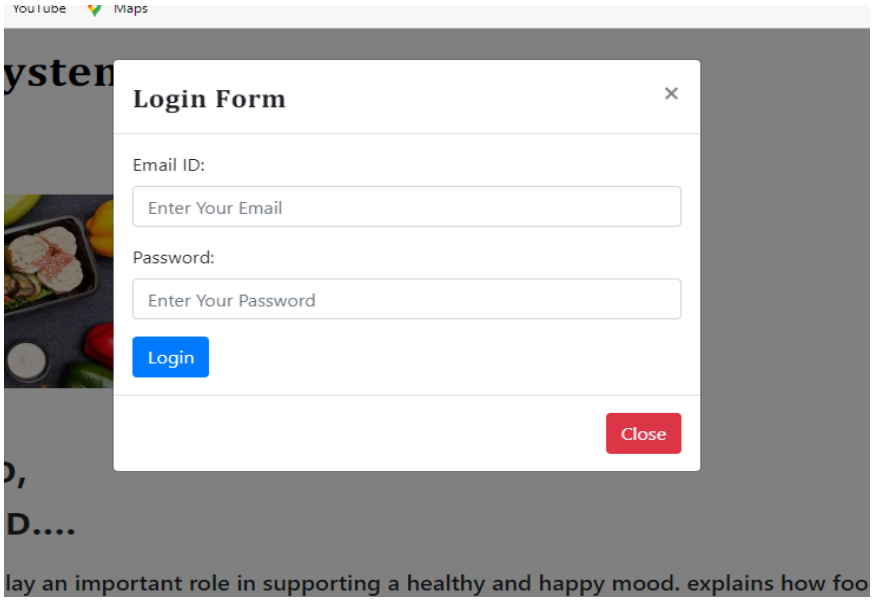
- This Contains 9 Tables Where One Table Will Contain Admin Information And The Second Will Contain User Input Data
- Third will contain menu and fourth will contain feedback Information.
- And contains Attendance information of Users.

User Interfaces

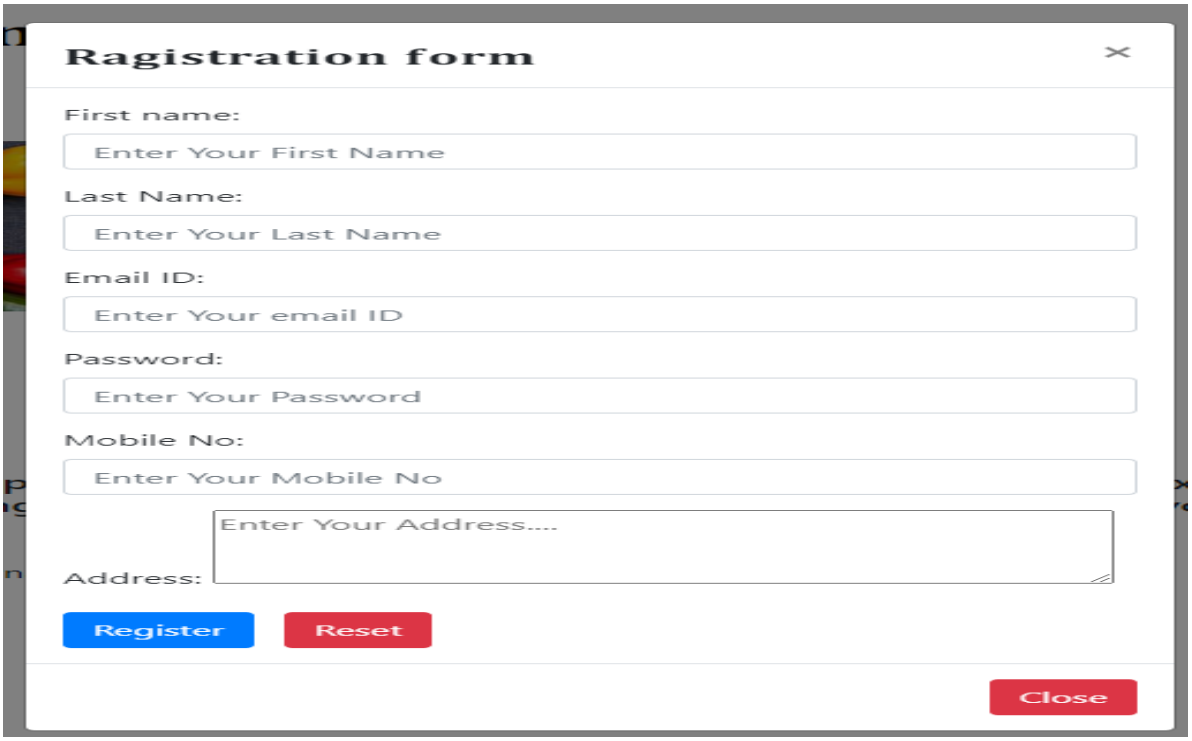
User Dashboard



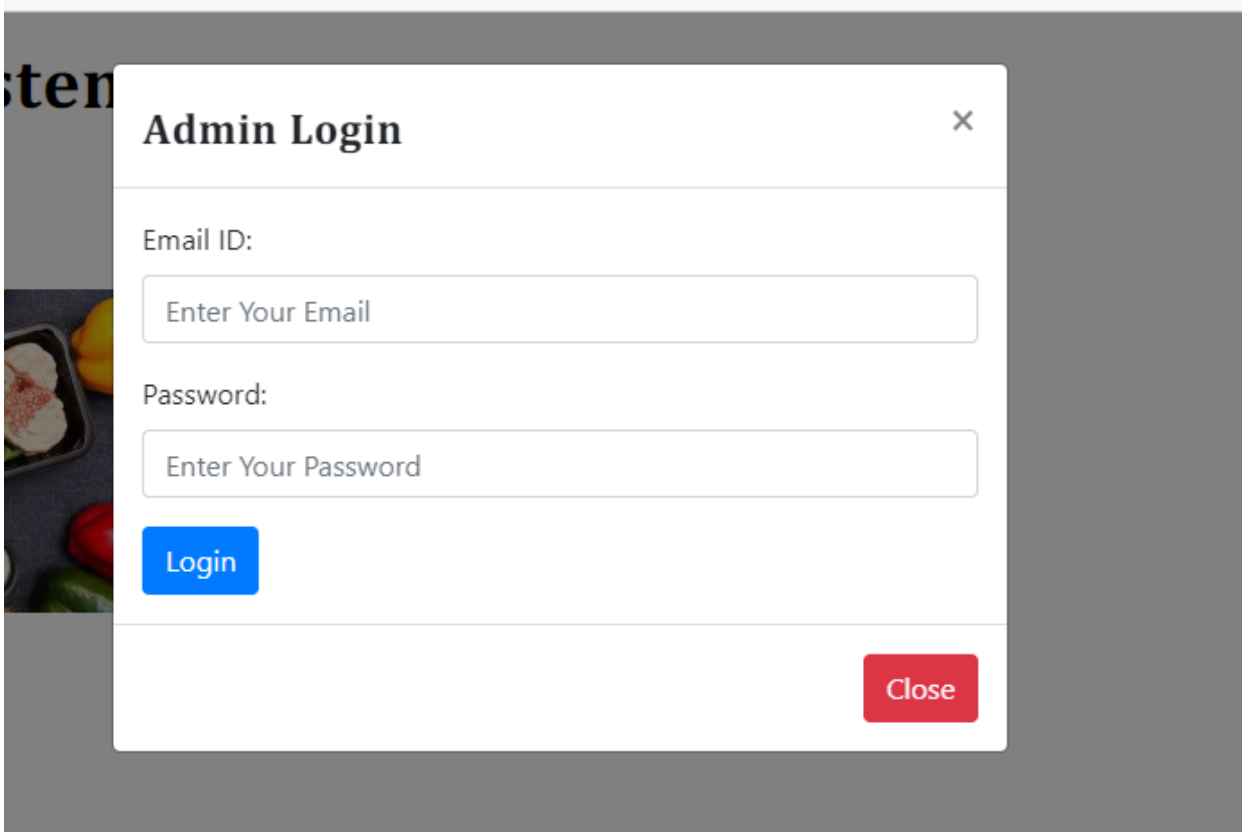
Login form



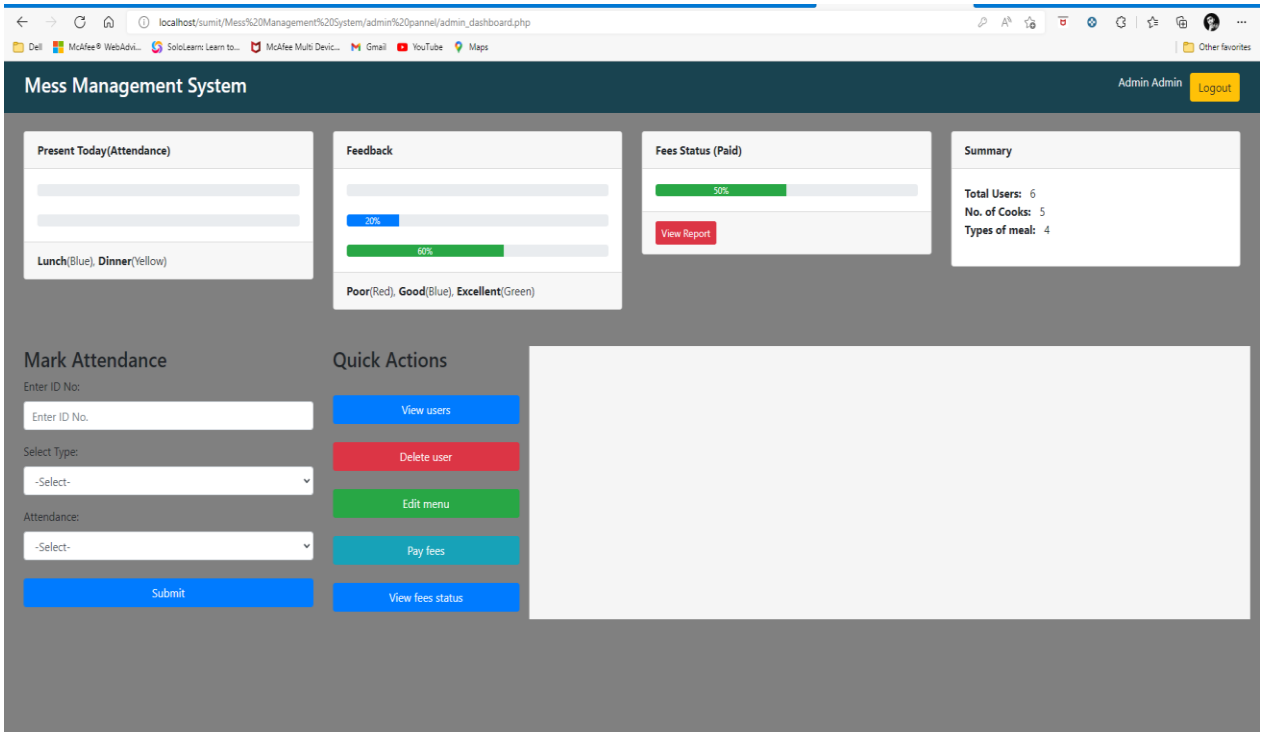
Registration Form



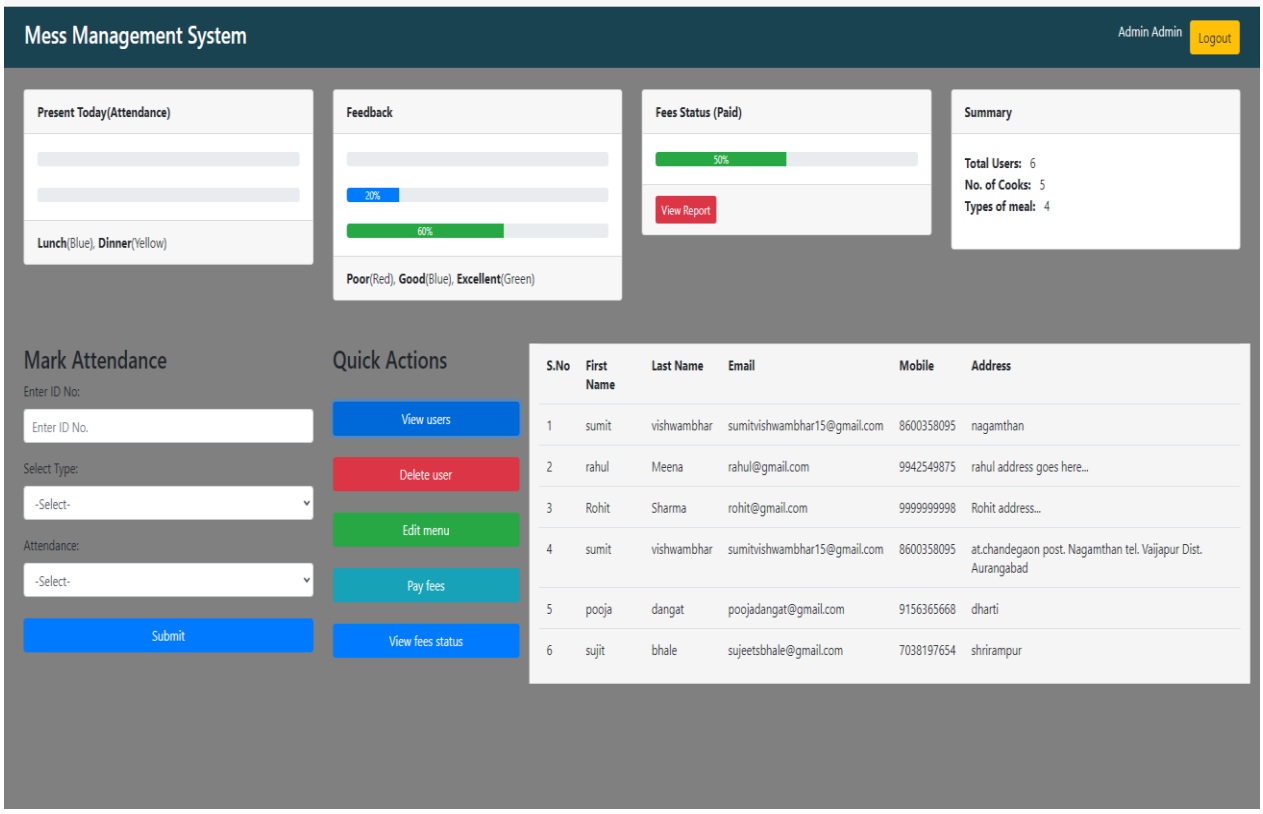
Admin login



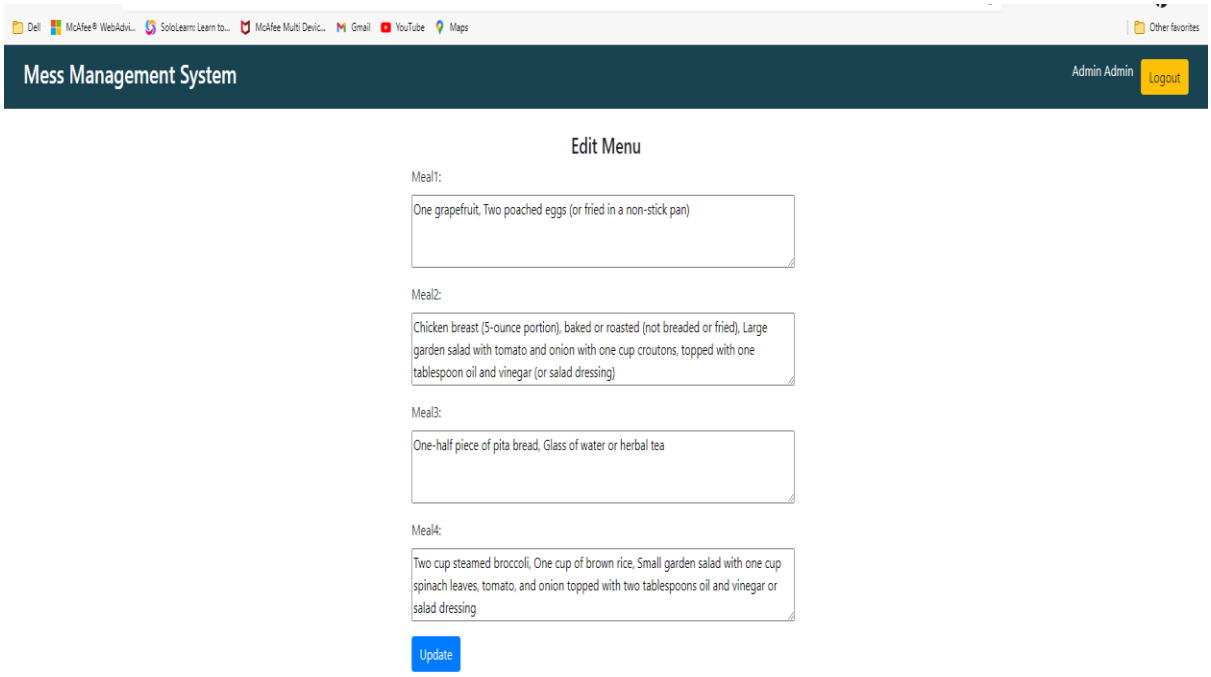
User Dashboard



View user



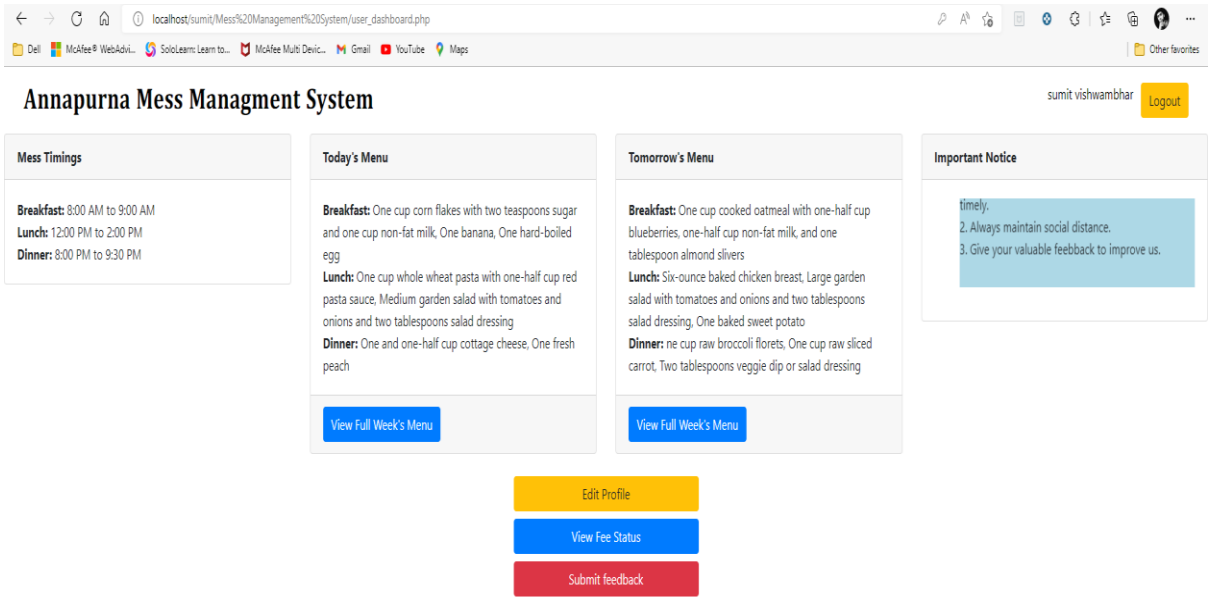
Edit Menu



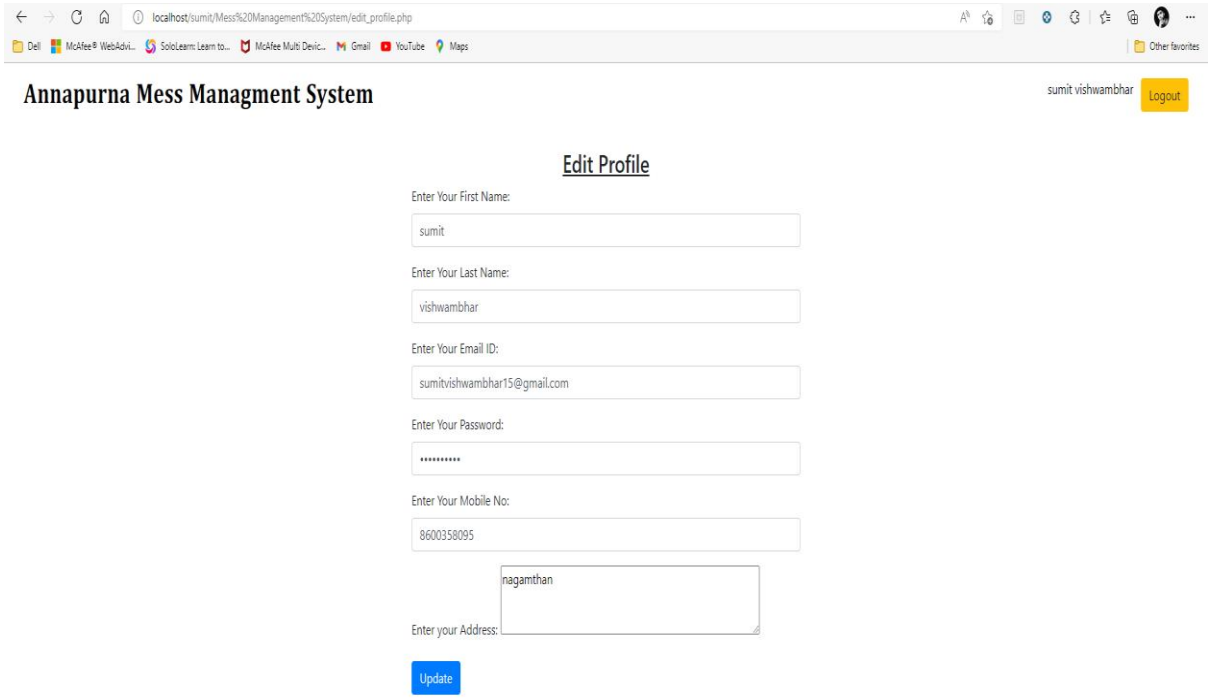
User fees details

S.No	First Name	Last Name	Email	Mobile	Address	Fee Status
1	sumit	vishwambhar	sumitvishwambhar15@gmail.com	8600358095	nagamthan	Fee Paid
2	rahul	Meena	rahul@gmail.com	9942549875	rahul address goes here...	Fee Paid
3	Rohit	Sharma	rohit@gmail.com	9999999998	Rohit address...	Fee Paid
4	sumit	vishwambhar	sumitvishwambhar15@gmail.com	8600358095	at.chandegaon post. Nagamthan tel. Vaijapur Dist. Aurangabad	Not Paid
5	pooja	dangat	poojadangat@gmail.com	9156365668	dharti	Not Paid
6	sujit	bhale	sujeetsbhale@gmail.com	7038197654	shrirampur	Not Paid

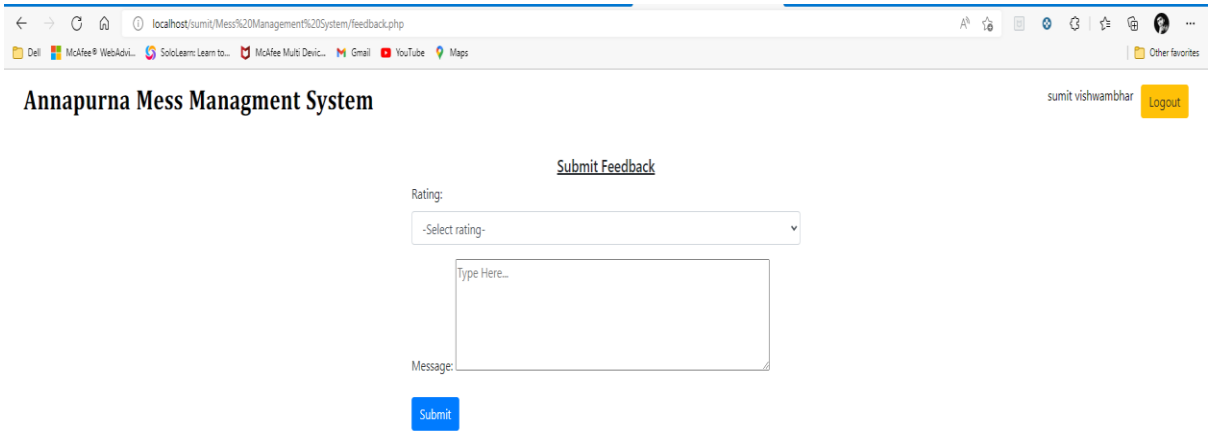
User panal



Edit profile



Feedback form



IMPLEMENTATION DETAILS

➢ Software /hardware specifications :

This system is based on the Web platform, so there is just need of few things which are mostly available with all the computer owners.

Software Requirements –

1. Operating system – Windows 7 Mac OS.

2. Front End – HTML, CSS and Java Script

3. Back End – PHP and MySQL

Hardware Requirements –

1. Processor – Any Intel or AMD processor which supports Wifi Connectivity.

3. Ram – Minimum 2 GB of Ram.

4. Hard Disk – 40 GB Minimum

Software used –

We have used some basic software/tool to create this mess management system project that are listed below –

1. Text editor (Atom)
2. Web browser (Google Chrome)
3. Local server (Wamp server)
4. MySQL database

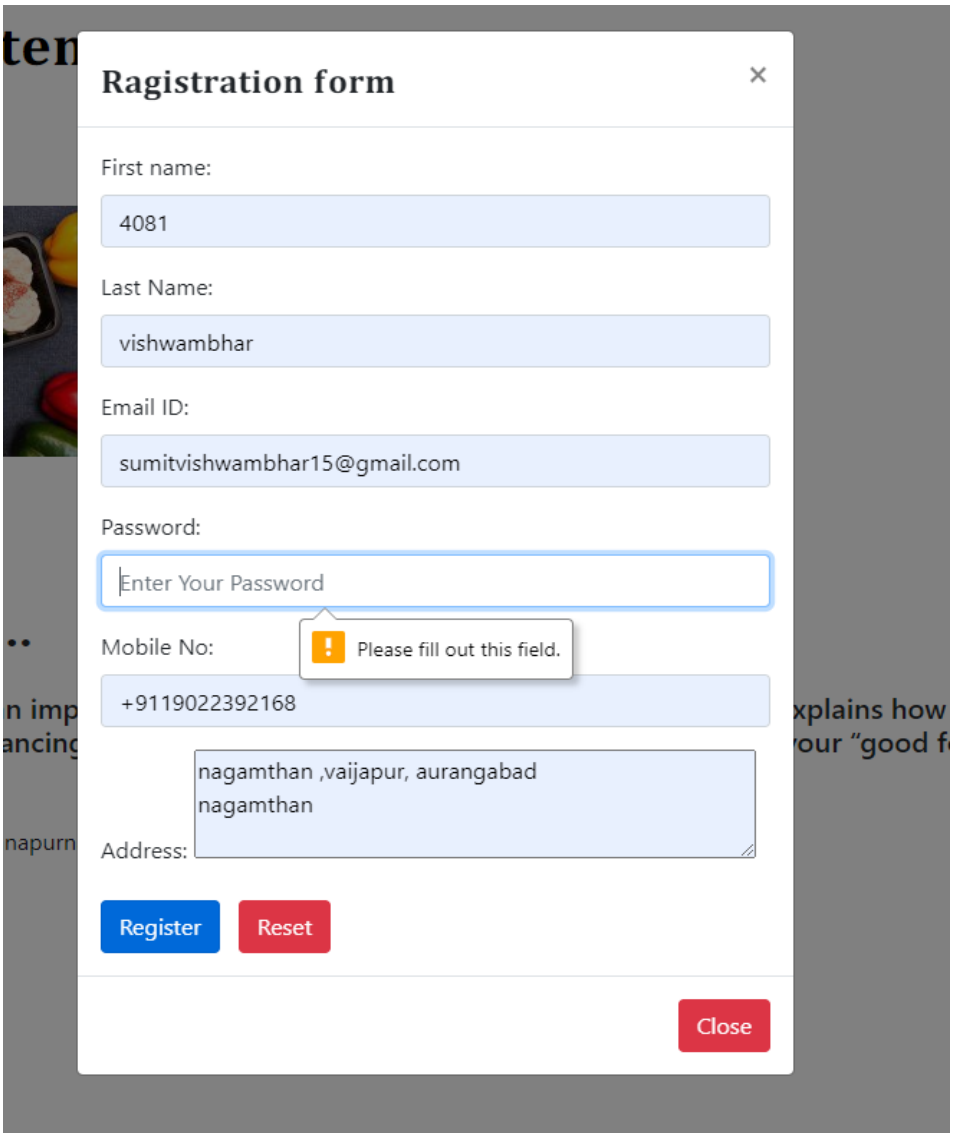
OUTPUTS AND REPORTS TESTING

Test Plan

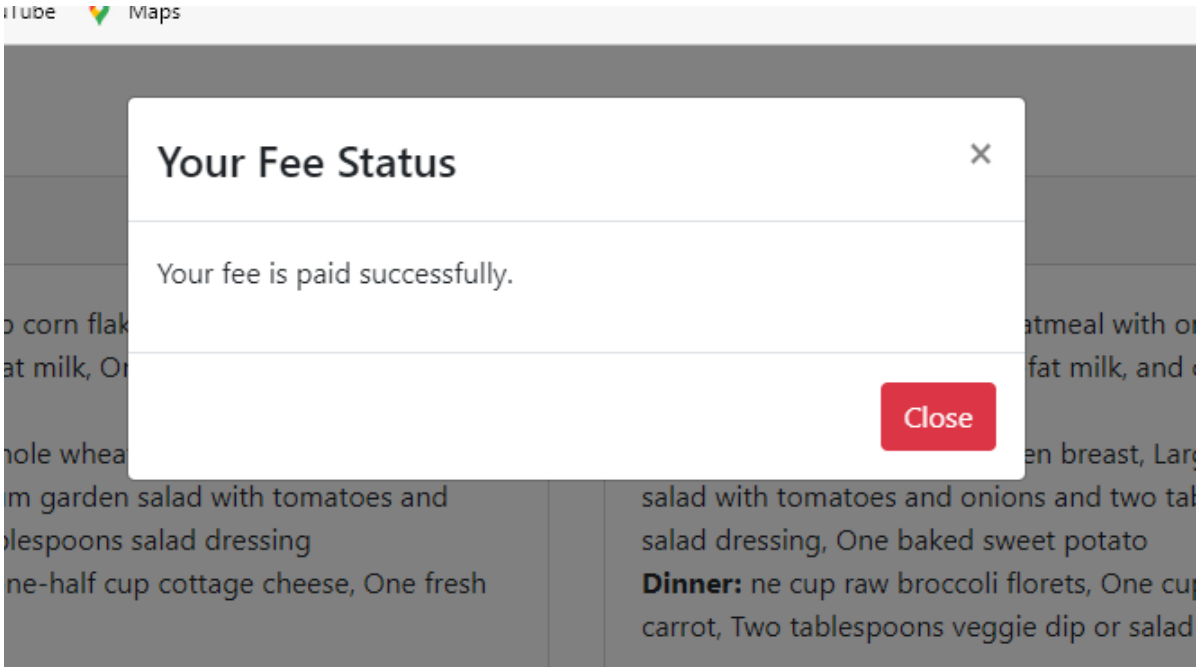
testing is a process to show the correctness of the program. Testing is needed to show completeness it improves the quality of the software and provide the maintenance aid. Some testing standards are therefore necessary reduce reduce the testing costs and operation time. Testing software extends throughout the coding phase and it represents the ultimate review of configuration , design and coding . Based on the way the software reacts to these testing we can decide whether the configuration that has been built is study or not. All components of an application are tested , as the failure to do so many results in a series of bugs after the software is put to use.

DATA VALIDATION TEST CASES OR FUNCTIONAL VALID CASES:

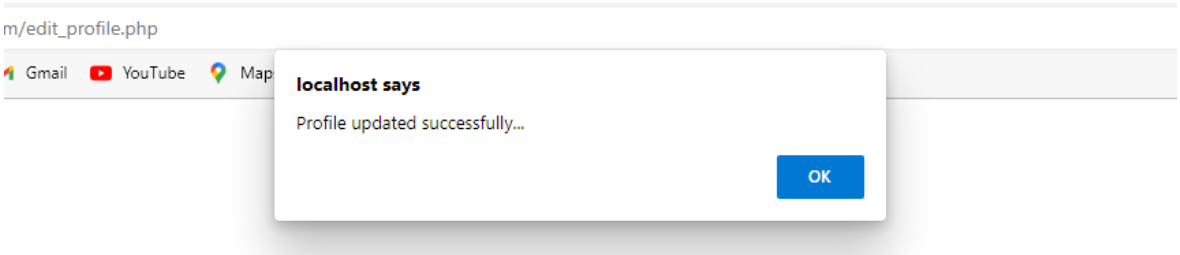
Registration form validation



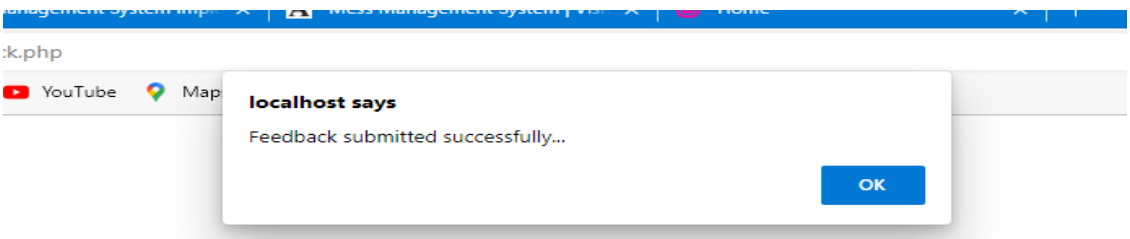
Paid status



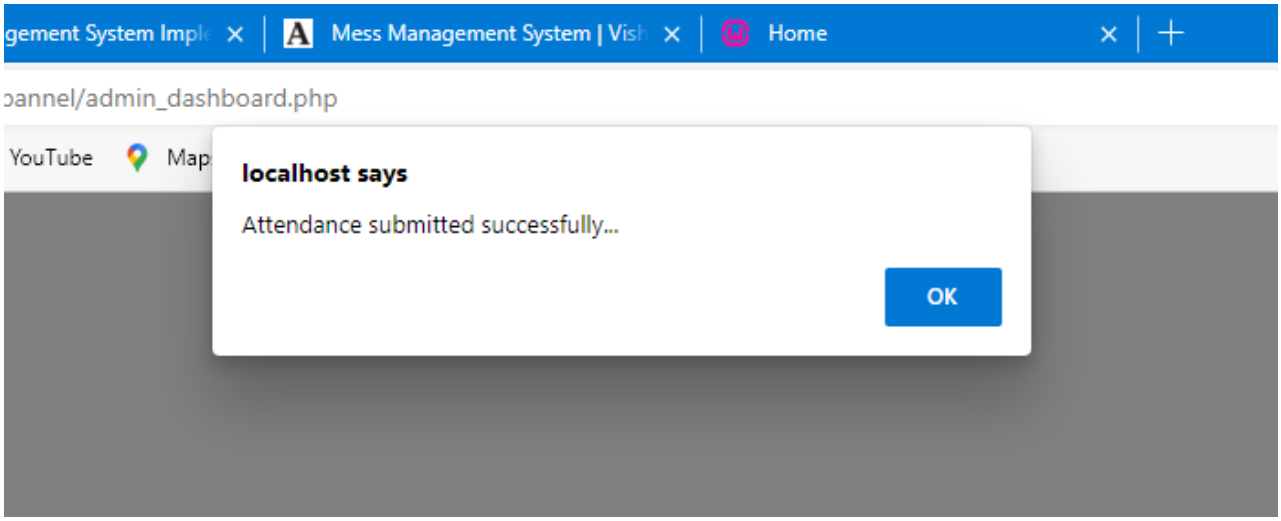
Profile update



Feedback



Attendance submission



CONCLUSION

Conclusion:

This project can be useful to any school/college hostel or in general to any institute maintaining a mess or canteen. Security is maintained as the complete control of the system is only under the hands of an authorized person. It will enable mess managers to refer diet charts and plan. It will also enable admin to mark the attendance of a user to identify unauthorized person. It will also provide the functionality to manage users and their fees status.

Also, this project will increase the ease of accessibility and reduce paper/file work as users can check everything online and get registered yourself.

BIBLIOGRAPHY

BIBLIOGRAPHY:

1. Text editor (Atom)
2. Web browser (Google Chrome)
3. Local server (Wamp server)
4. MySQL database

REFERENCES:

- https://www.w3schools.com/
- https://www.javatpoint.coml