

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, Shirampur 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: Shirampur

Date: / / 2022

Signature :

Name of student : Vishwambhar Sumit Bharat

Signature :

Name of student : Bodkhe Nilesh Laxman

Index

S .Ro	Contents	Page No.
1	Introduction	
	- motivation	
	- problem statement	
	- purpose/objective and goals	
	- literature survey	
	- project scope and limitations	
2	System analysis	
	- existing systems	
	- scope and limitations of existing systems	
	- project perspective, features	
	- stakeholders	
	- requirement analysis – security requirements .	
3	System Design	
	- Design constraints	
	- System Modul: DFD	
	- Data Modul	
	- user interfaces	
4	Implementation details	
	- software /hardware specifications	
5	Outputs and reports testing	
	- test plan, data validation test cases function validation test cases and results	
6	Conclusion	
7	Bibliography and references	

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:

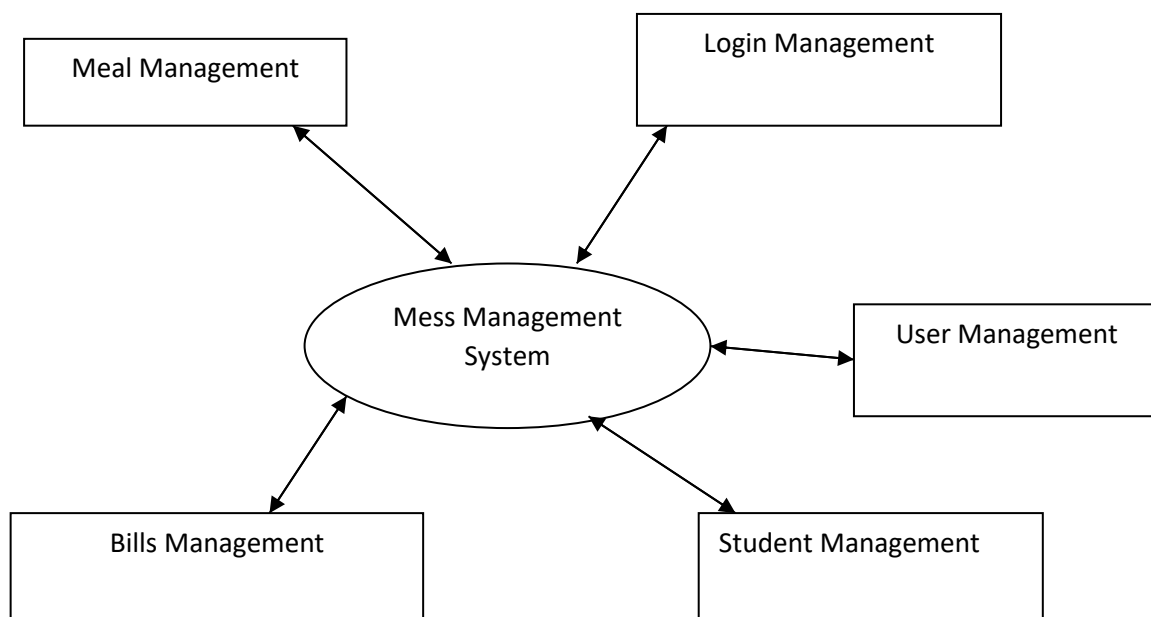
Confidentiality: preserve the access control and disclosure restrictions on information. Guarantee that no one will be break the rules of personal privacy and proprietary information.

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.

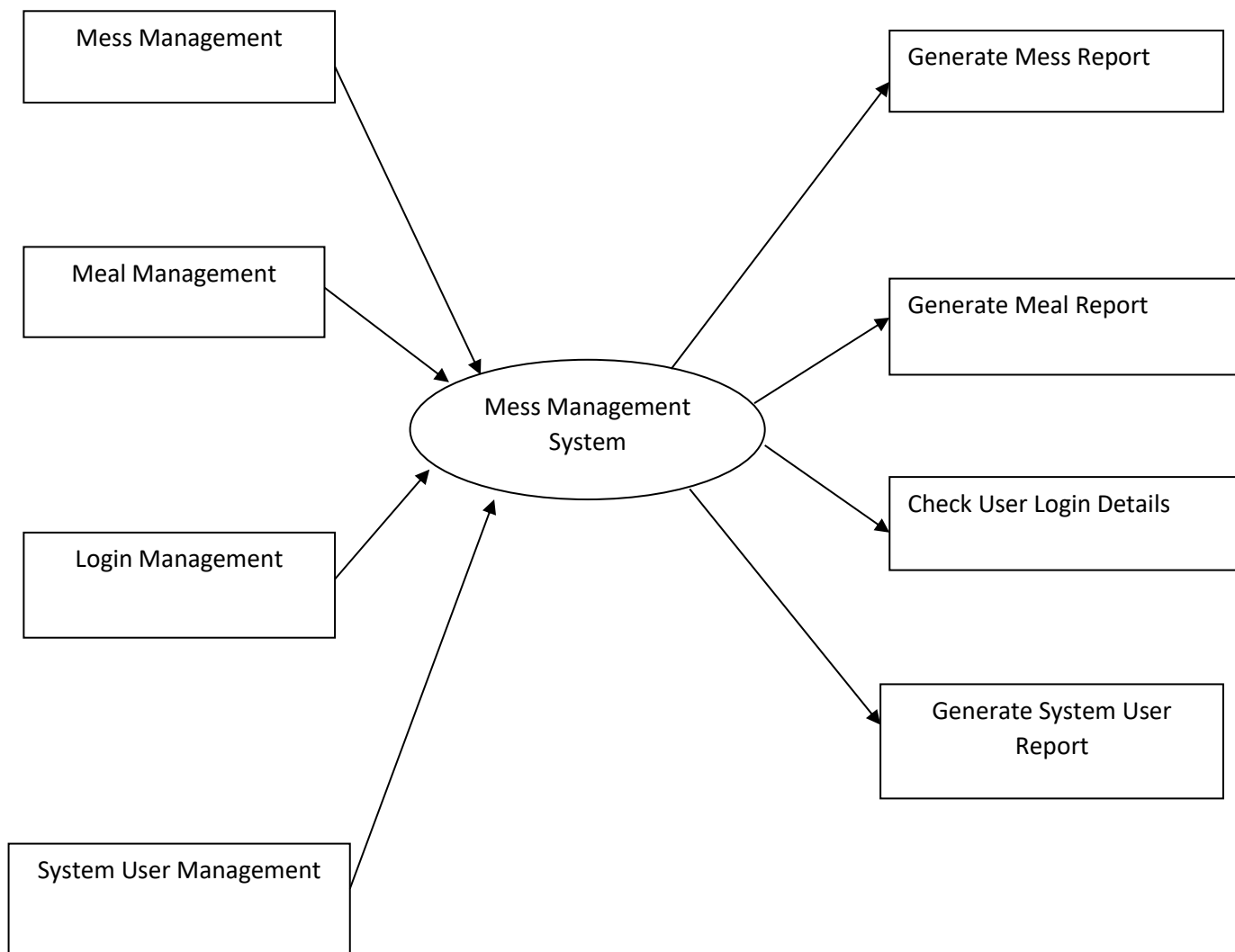
System Design

Data Flow Diagram



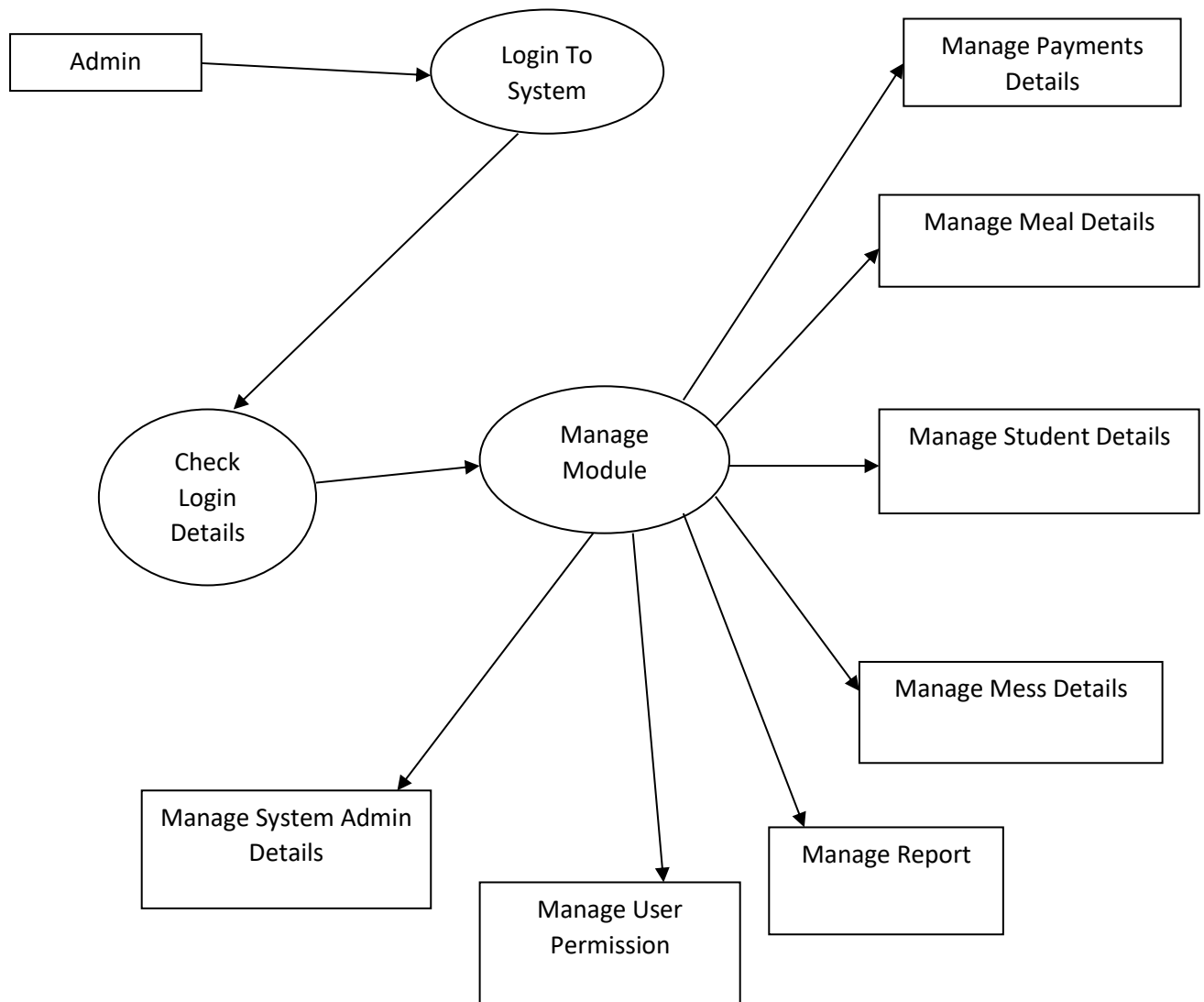
Mess Management System

Zero Level



Mess Management System

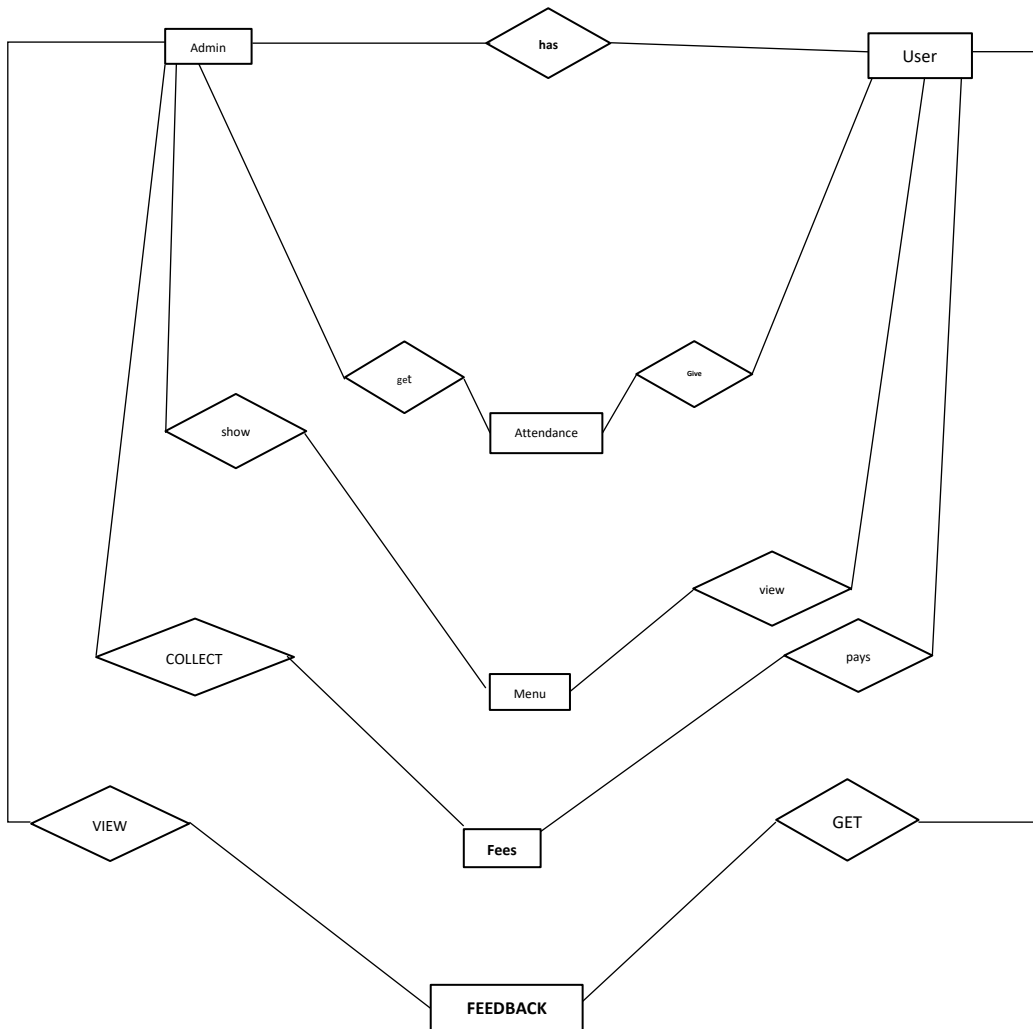
First Level DFD



Mess Management System

Second Level Dfd

ER-Diagram



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

Annapurna Mess Management System

[Login](#)[Register](#)[Admin Login](#)

GOOD FOOD, GOOD MOOD....

The foods you eat play an important role in supporting a healthy and happy mood. explains how food affects your mood, which mood-enhancing foods we recommend, and how to best individualize your "good food, good mood" diet

annapurna mess system —@annapurna

Login form

YouTube Maps

ystem

GOOD FOOD,
GOOD MOOD....

lay an important role in supporting a healthy and happy mood. explains how food

Login Form

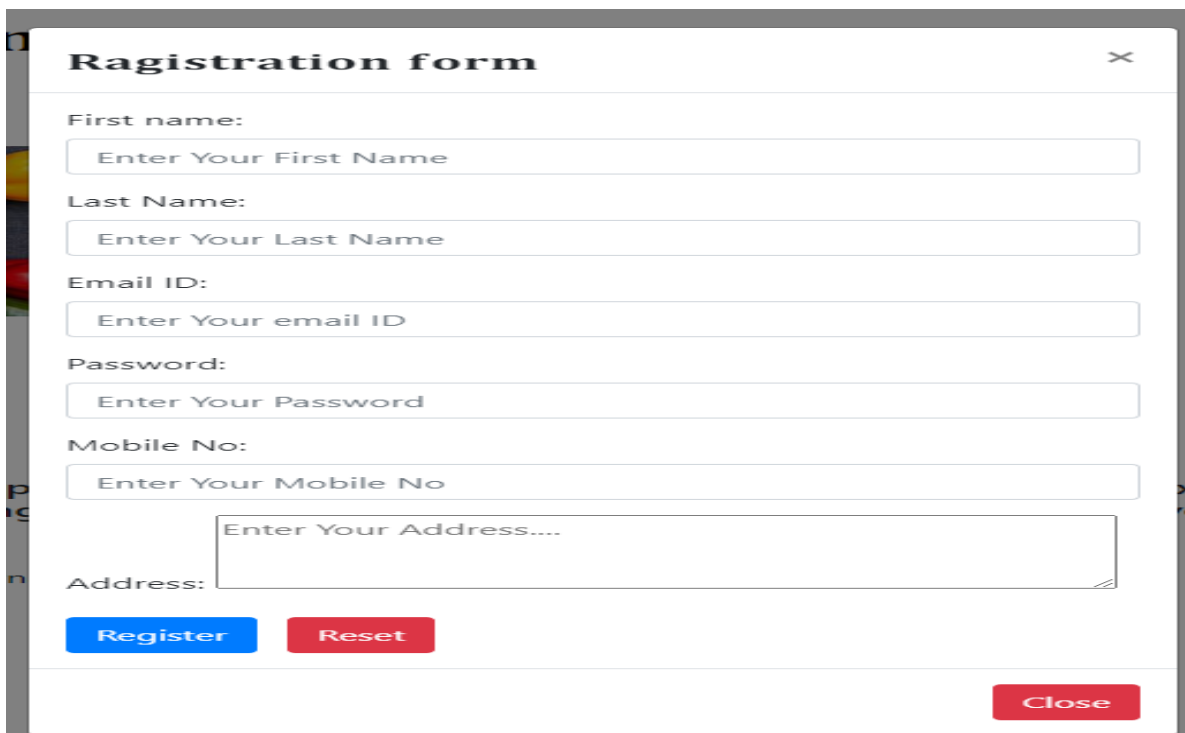
Email ID:

Password:

Login

Close

Registration Form

A registration form modal with a title bar 'Registration form' and a close button 'x'. It contains input fields for 'First name:', 'Last Name:', 'Email ID:', 'Password:', 'Mobile No:', and 'Address:'. Below the inputs are 'Register' and 'Reset' buttons, and a 'Close' button at the bottom right.

Registration form x

First name:

Last Name:

Email ID:

Password:

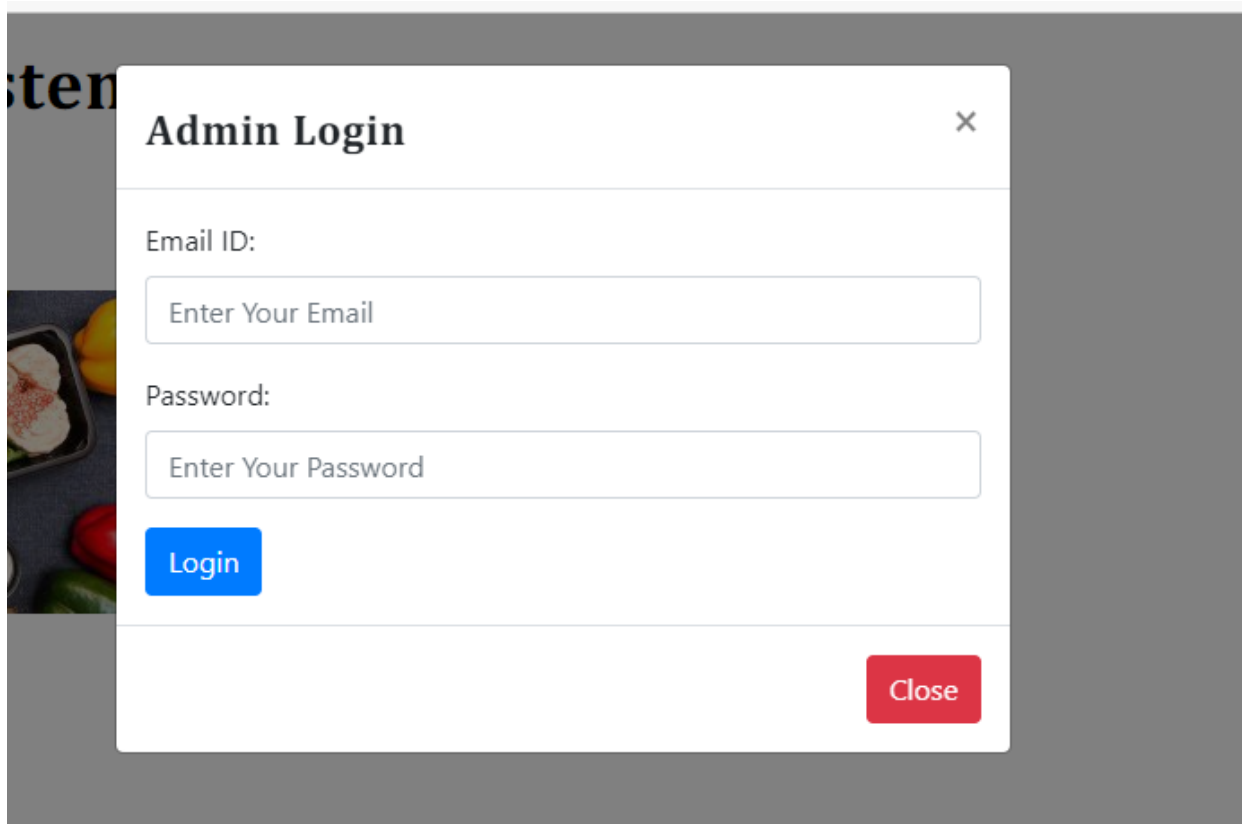
Mobile No:

Address:

Register **Reset**

Close

Admin login

An admin login modal with a title bar 'Admin Login' and a close button 'x'. It contains input fields for 'Email ID:' and 'Password:'. Below the inputs is a 'Login' button, and a 'Close' button is at the bottom right.

Admin Login x

Email ID:

Password:

Login

Close

User Dashboard

localhost/sumit/Mess%20Management%20system/admin%20panel/admin_dashboard.php

Dell

McAfee® WebAdvi...

SoloLearn: Learn to...

McAfee Multi Devic...

Gmail

YouTube

Maps

Other favorites

Mess Management System

Admin AdminLogout

Present Today(Attendance)

Lunch(Blue), Dinner(Yellow)

Feedback

20%

60%

Poor(Red), Good(Blue), Excellent(Green)

Fees Status (Paid)

50%

View Report

Summary

Total Users: 6
No. of Cooks: 5
Types of meal: 4

Mark Attendance

Enter ID No:

Select Type:
-Select-

Attendance:
-Select-

Submit

Quick Actions

View users

Delete user

Edit menu

Pay fees

View fees status

View user

Mess Management System

Admin AdminLogout

Present Today(Attendance)

Lunch(Blue), Dinner(Yellow)

Feedback

20%

60%

Poor(Red), Good(Blue), Excellent(Green)

Fees Status (Paid)

50%

View Report

Summary

Total Users: 6
No. of Cooks: 5
Types of meal: 4

Mark Attendance

Enter ID No:

Select Type:
-Select-

Attendance:
-Select-

Submit

Quick Actions

View users

Delete user

Edit menu

Pay fees

View fees status

S.No	First Name	Last Name	Email	Mobile	Address
1	sumit	vishwambhar	sumitvishwambhar15@gmail.com	8600358095	nagamthan
2	rahul	Meena	rahul@gmail.com	9942549875	rahul address goes here...
3	Rohit	Sharma	rohit@gmail.com	9999999998	Rohit address...
4	sumit	vishwambhar	sumitvishwambhar15@gmail.com	8600358095	at.chandegaon post. Nagamthan tel. Vajapur Dist. Aurangabad
5	pooja	dangat	poojadangat@gmail.com	9156365668	dharti
6	sujit	bhale	sujeetsbhale@gmail.com	7038197654	shrirampur

Edit Menu

Dell

McAfee® WebAdvis...

SoloLearn: Learn to...

McAfee Multi Devic...

Gmail

YouTube

Maps

Other favorites

Mess Management SystemAdmin AdminLogout

Edit Menu

Meal1:

One grapefruit, Two poached eggs (or fried in a non-stick pan)

Meal2:

Chicken breast (5-ounce portion), baked or roasted (not breaded or fried), Large garden salad with tomato and onion with one cup croutons, topped with one tablespoon oil and vinegar (or salad dressing)

Meal3:

One-half piece of pita bread, Glass of water or herbal tea

Meal4:

Two cup steamed broccoli, One cup of brown rice, Small garden salad with one cup spinach leaves, tomato, and onion topped with two tablespoons oil and vinegar or salad dressing

Update

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 panel

← → ↻ 🏠

localhost/sumit/Mess%20Management%20System/user_dashboard.php

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📁 Dell 📁 McAfee ® WebAdvt... 📁 SoloLearn: Learn to... 📁 McAfee Multi Devic... 📧 Gmail 📺 YouTube 📍 Maps

📁 Other favorites

Annapurna Mess Managment System

sumit vishwambhar [Logout](#)

Mess Timings

Breakfast: 8:00 AM to 9:00 AM
Lunch: 12:00 PM to 2:00 PM
Dinner: 8:00 PM to 9:30 PM

Today's Menu

Breakfast: One cup corn flakes with two teaspoons sugar and one cup non-fat milk, One banana, One hard-boiled egg
Lunch: One cup whole wheat pasta with one-half cup red pasta sauce, Medium garden salad with tomatoes and onions and two tablespoons salad dressing
Dinner: One and one-half cup cottage cheese, One fresh peach

[View Full Week's Menu](#)

Tomorrow's Menu

Breakfast: One cup cooked oatmeal with one-half cup blueberries, one-half cup non-fat milk, and one tablespoon almond slivers
Lunch: Six-ounce baked chicken breast, Large garden salad with tomatoes and onions and two tablespoons salad dressing, One baked sweet potato
Dinner: ne cup raw broccoli florets, One cup raw sliced carrot, Two tablespoons veggie dip or salad dressing

[View Full Week's Menu](#)

Important Notice

timely.
2. Always maintain social distance.
3. Give your valuable feedback to improve us.

[Edit Profile](#)

[View Fee Status](#)

[Submit feedback](#)

Edit profile

← → ↻ 🏠

localhost/sumit/Mess%20Management%20System/edit_profile.php

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📁 Other favorites

Annapurna Mess Managment System

sumit vishwambhar [Logout](#)

Edit Profile

Enter Your First Name:

Enter Your Last Name:

Enter Your Email ID:

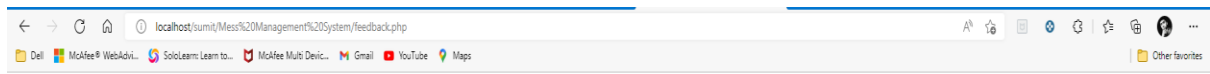
Enter Your Password:

Enter Your Mobile No:

Enter your Address:

[Update](#)

Feedback form



Annapurna Mess Managment System

sumit vishwambhar

Logout

Submit Feedback

Rating:

Type Here...

Message:

Submit

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

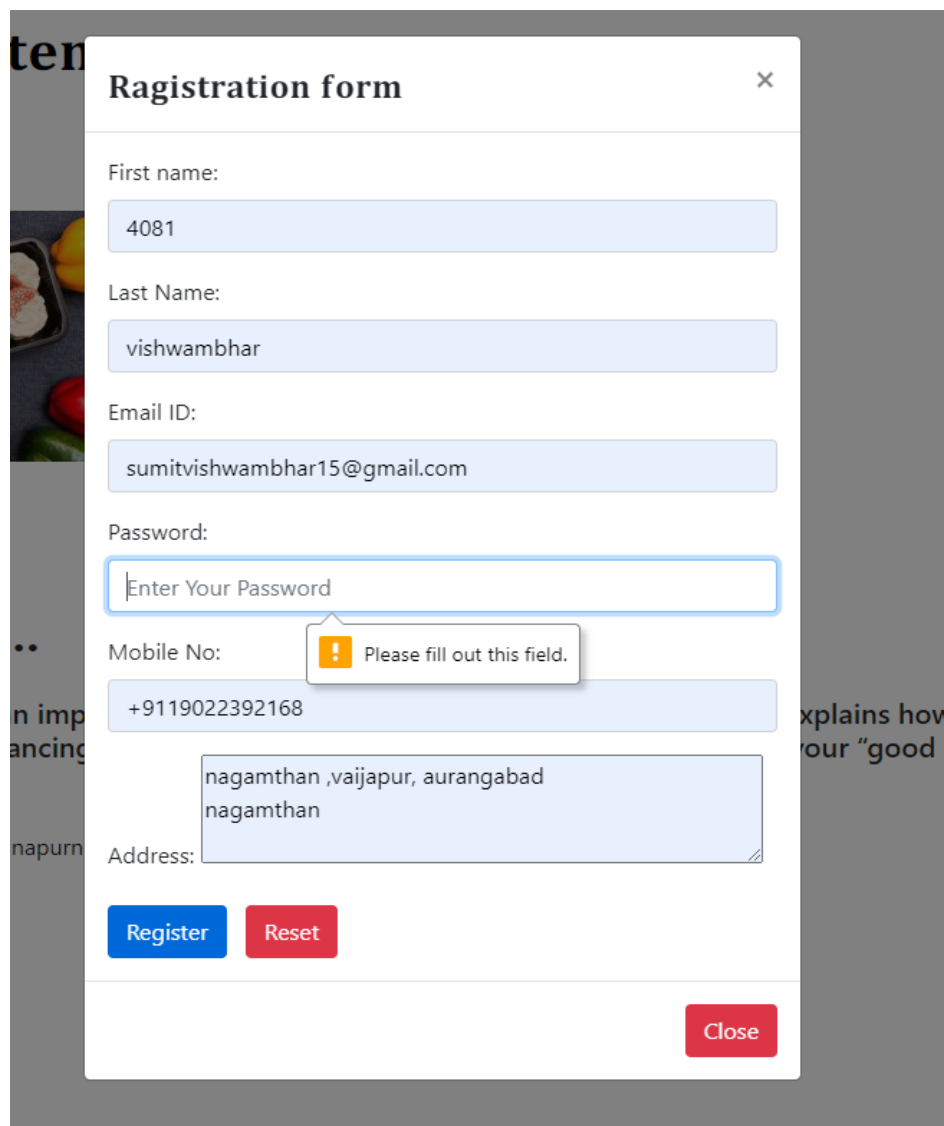
OUTPUTS AND REPORTS TESTING

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



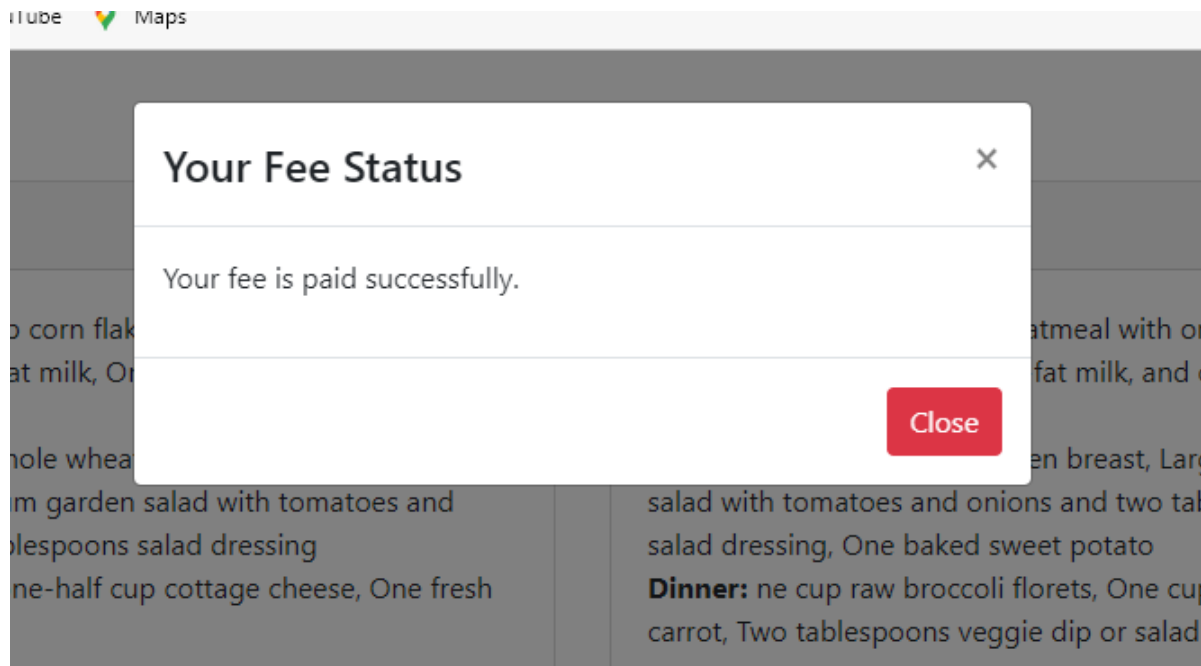
The screenshot shows a 'Registration form' dialog box with the following fields and values:

- First name: 4081
- Last Name: vishwambhar
- Email ID: sumitvishwambhar15@gmail.com
- Password: Enter Your Password
- Mobile No: +9119022392168
- Address: nagamthan ,vajapur, aurangabad
nagamthan

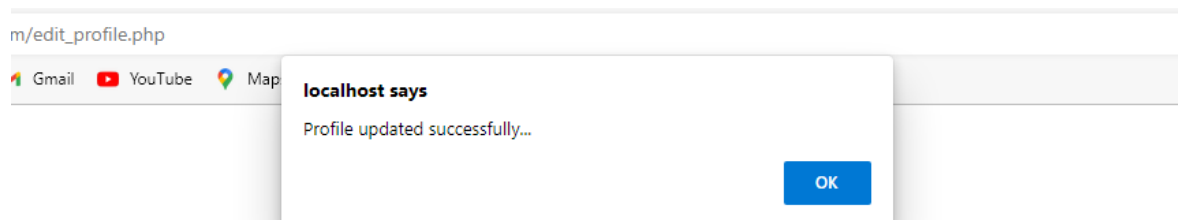
A validation error message is displayed above the Mobile No field: **!** Please fill out this field.

At the bottom of the form, there are three buttons: 'Register' (blue), 'Reset' (red), and 'Close' (red).

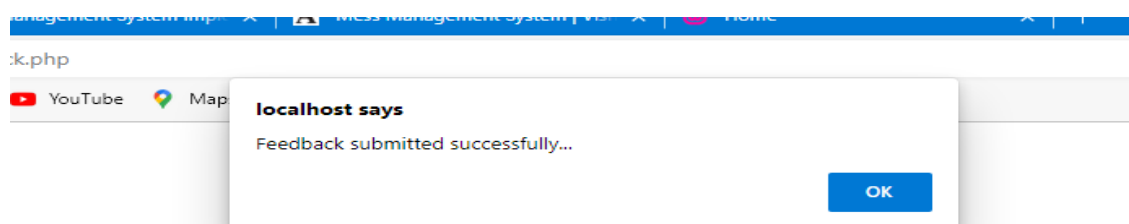
Paid status



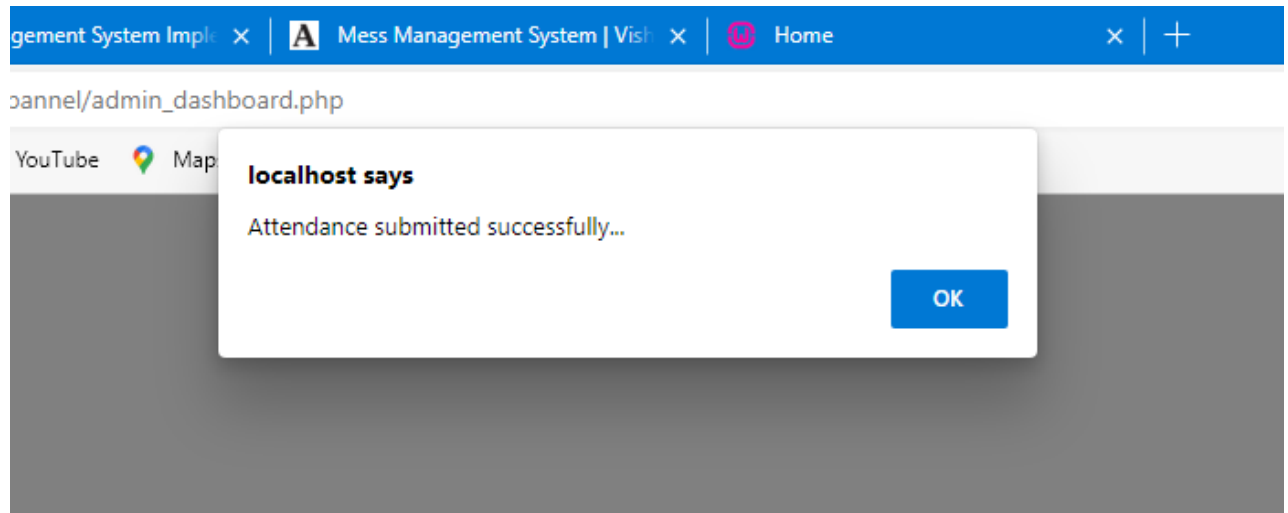
Profile update



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.com/>