



# UITs

*Future will be better than thy past*

University of Information Technology & Sciences

An initiative of **PHP** Family

# MEAL MANAGEMENT SYSTEM

**Bachelor of Engineering  
In  
Computer Science and Engineering**

---

**Presented by**

**Ankhi Akter(17251502)**

**Md.Sahadat Hossain(17251503)**

**Md.Tareq Mahamud(17251506)**

**Md.Nasir Uddin(17251514)**

**Supervisor**

**Ms. Tania Akter Setu**

**Lecturer**

**Department of CSE**

# Meal Management



# INDEX

- Objectives
- Introduction
- Methodology
- Software Requirement & Specification
- Proposed Solutions
- Tools & Technic
- Project Properties
- ER Diagram
- Security & Usability
- Goals of the Project
- Limitations & Future Work
- Conclusion
- Reference

# OBJECTIVE

- A computer based management system is designed to handle all primary information required to calculate monthly statement .
- This project intends to introduce more user friendly the various activities such as record updating, maintains & searching

# INTRODUCTION

This project entitled “Hostel Meal and Account management System” is a web based application to manage hostel meal system and calculate complex meal costs. There is a large number of hostels in our country. The hostel meal system is developed for automating the activities of hostel meal process and rent payment. It will calculate all the complex meal system and handle previous dues and advance payments for generating current month meal and rent payable amount. Owner/Admin can handle all the process so easily

# METHODOLOGY

- Planning
- Requirement Analysis
- Designing
- Building
- Testing

# SOFTWARE REQUIREMENT SPECIFICATION

- Member Registration
- Admin Login
- Hostel Meal System Login
- Home
- Order, Cancel & Update Meal
- See total Meal Cost
- Add Bazar Cost
- See Total Payment
- See Total due
- See Meal Information

# Proposed solutions

What we have in our project?

- I. Collection , Payment Entry
- II. Collection & Payment Explore
- III. Day wise meal statement
- IV. Total meal statement
- V. Supplier & user statement



# TOOLS & TECHNIQUES

Here are the languages and tools we used to develop the Project:

- Frontend Design – HTML, CSS, Bootstrap
- Client Side Validation – JavaScript, jQuery
- Backend Development – PHP
- Database – MySQL
- Web Server – Amazon Web Service
- Tools – Visual Studio Code

# PROJECT PROPERTIES

Hostel Meal and Account Management System, There are three (3) stakeholders:

- Admin
- Hostel Member
- User

# FEATURES

- Cancel Order
- Meal Order
- See Total Meal Cost
- Meal Information
- Manage Member Account

# DEVELOPMENT LANGUAGES

## Front End Design



- HTML 5
- CSS
- Bootstrap
- JavaScript
- JQuery

## Back End Design

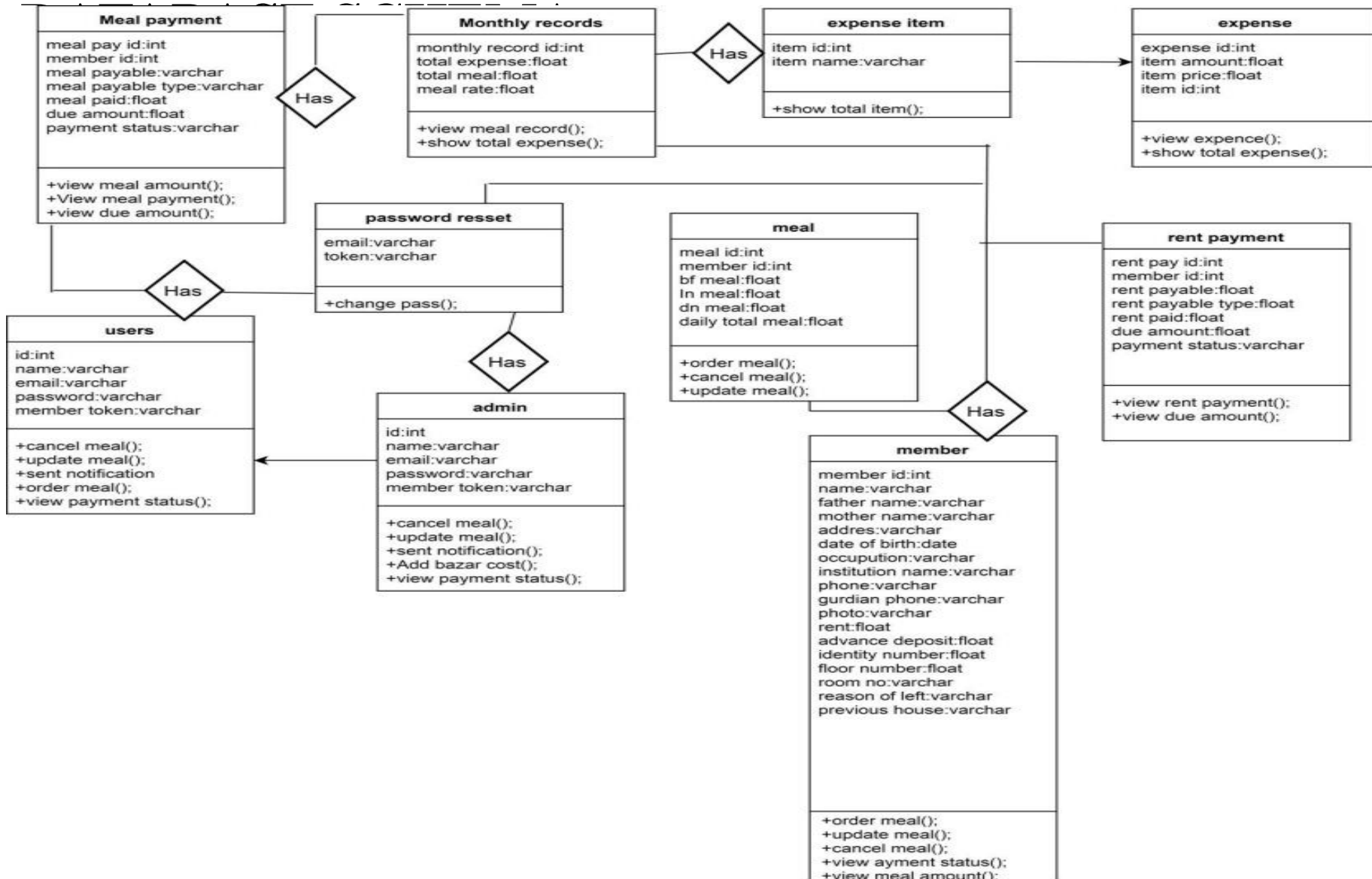


- Customize PHP Framework

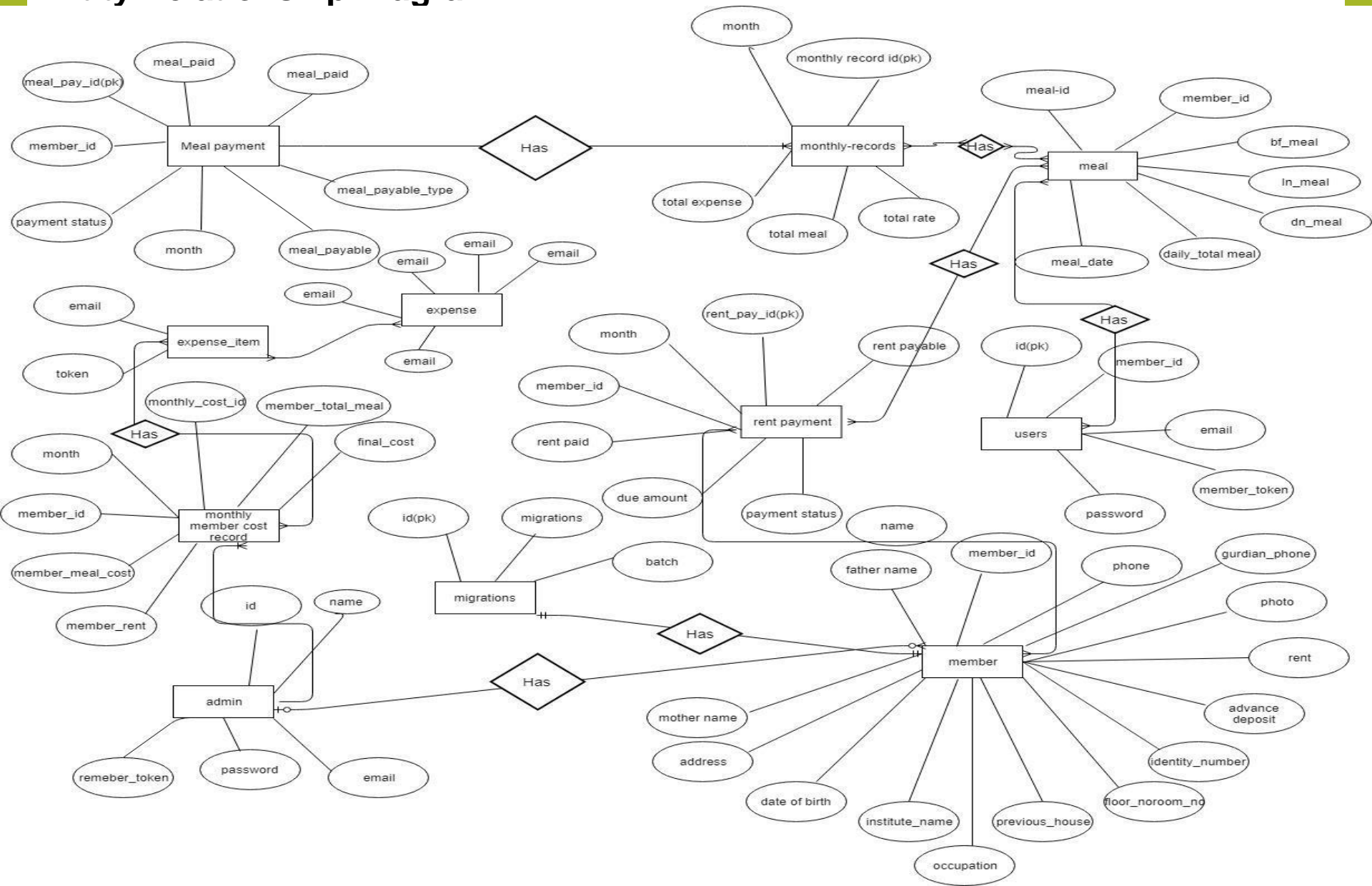
## Database



- MYSQL



## Entity Relationship Diagram



# LOGIN PANEL

The login panel is a white rectangular box centered on a background with a blue-to-purple gradient. At the top of the box is the MMS logo, which consists of three stylized human figures in blue and black, with the text 'MMS' and 'MEAL MANAGEMENT SYSTEM' below them. Below the logo is the word 'Login' in a large, bold, black font. Underneath 'Login' is the label 'Username' in a smaller, gray font. To the left of the input field is a small blue icon of a person. The input field is a horizontal line with a vertical bar on the right side. Below the input field is a rounded rectangular button with a blue-to-purple gradient and the word 'LOGIN' in white capital letters.

# DASHBOARD



Settings ▾ Inventory ▾ Accounts ▾ Report ▾

Name : Md Tarek Mahmud  
Database Administrator of Information Technology



Rectangular Sh... Deposit Information

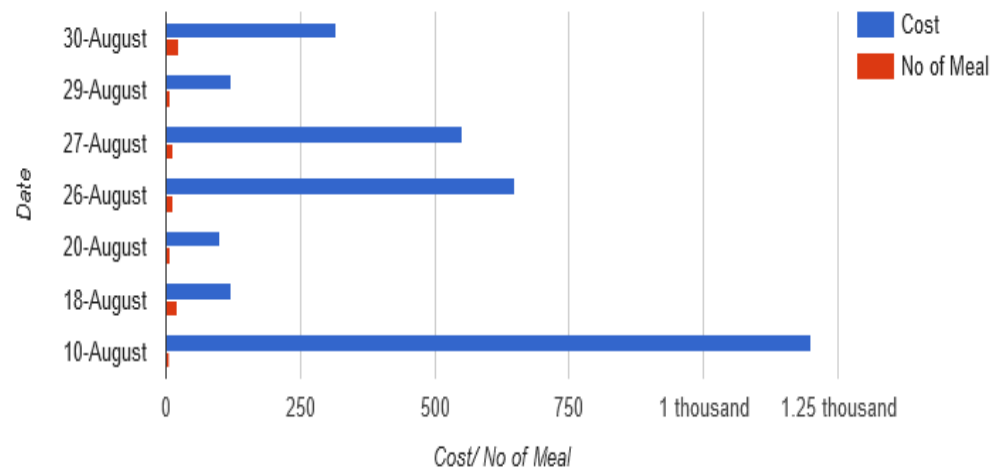
Account Information



Meal Information



Meal Information of Last Fifteen(15) Days





# CREATE SYSTEM USER

[Settings](#)[Inventory](#)[Accounts](#)[Report](#)

Name : Md Tarek Mahmud  
Database Administrator of Information Technology

[Settings / User / Administration / Create User](#)

## Create User

Create User For Meal Management System

\* Employee

\* Branch

\* User Name

\* Password

Privilege



Admin



User

Status



Active



Inactive

## User List

Show 10 entries

Search:

| SL                               | User ID | Branch     | Employee    | User Name       | Password  | Privilege                                 | Status |        |
|----------------------------------|---------|------------|-------------|-----------------|-----------|---|--------|--------|
| <input checked="" type="radio"/> | 1       | USR-000001 | Head Office | Md Tarek Mahmud | useradmin | *3ECF47C8D0959982E3D8FDD89510B51C2EC49CCD | Admin  | Active |
| <input type="radio"/>            | 2       | USR-000002 | Head Office | Md Tarek Mahmud | admin     | *359B663E59EC21EA73C81AB023F4C809C57836E9 | Admin  | Active |

# MEAL INFO



## Meal Management System

MA-33/A-1, West Merul Badda, Gulsan 2, Dhaka 1212

Phone : +88 017 0000 0001 E-mail : mms@gmail.com Web : www.mealmanagement.info

### Meal Ledger

DATE : 30-Aug-2021 To 31-Aug-2021

| SL    | ID                    | Name               | Date        | Morning | Lunch | Dinner | Total Meal |
|-------|-----------------------|--------------------|-------------|---------|-------|--------|------------|
| 1     | MEAL-20210830-001-001 | Md Nasir Hossain   | 30-Aug-2021 | 2       | 0     | 1      | 3.00       |
| 2     | MEAL-20210830-001-002 | Fatema Akter Akhi  | 30-Aug-2021 | 0       | 1     | 0      | 1.00       |
| 3     | MEAL-20210830-001-003 | Md Sahadat Hossain | 30-Aug-2021 | 1       | 2     | 3      | 6.00       |
| 4     | MEAL-20210830-002-001 | Md Nasir Hossain   | 30-Aug-2021 | 0       | 1     | 0      | 1.00       |
| 5     | MEAL-20210830-002-002 | Md Sahadat Hossain | 30-Aug-2021 | 1       | 0     | 2      | 3.00       |
| 6     | MEAL-20210830-003-001 | Md Tarek Mahmud    | 30-Aug-2021 | 0       | 1     | 2      | 3.00       |
| 7     | MEAL-20210830-003-002 | Md Nasir Hossain   | 30-Aug-2021 | 2       | 1     | 0      | 3.00       |
| Total |                       |                    |             | 6.00    | 6.00  | 8.00   | 20.00      |

# Admin User Permission



Settings ▾ Inventory ▾ Accounts ▾ Report ▾

Name : Fatema Akter Akhi  
Business Analyst of Design and Development



Settings/User/Administration/User Permission

Search

Q Search

nip

## User Permission

User Permission For Meal Management System

Save Change

\* User Id

User Id

\* User Name

User Name

\* Branch

Branch

\* Employee Id

Employee Id

☐ Select / Deselect All Menu Permission

### Settings

- ☐ All Settings
- ☐ ----Settings
- ☐ -----User Administration
- ☐ -----Create User
- ☐ -----Create Employee
- ☐ -----Site Administration
- ☐ -----Site Permission
- ☐ -----Global Option
- ☐ -----Bank
- ☐ -----Bank Info
- ☐ -----Branch Info
- ☐ -----Location
- ☐ -----Division Entry

Activate Windows  
Go to Settings to activate Windows.

# Bank Info

[Settings ▾](#)[Inventory ▾](#)[Accounts ▾](#)[Report ▾](#)

Name : Fatema Akter Akhi  
Business Analyst of Design and Development

[Settings / Bank Info](#)[Q Search](#)

## Bank Info

All Bank Information For Meal Management System

Bank

Bank Id

BNK-001

\* Name

AB Bank

[+ New](#)[Save](#)[Save Change](#)[Delete](#)

## Bank List

Show 10 ▾ entries

Search:

| SL | Bank Name |
|----|-----------|
| 1  | AB Bank   |
| 2  | City Bank |
| 3  | IFIC Bank |

Activate Windows  
Go to Settings to activate Windows.

# Payment Collection Information



Settings ▾ Inventory ▾ Accounts ▾ Report ▾

Name : Fatema Akter Akhi  
Business Analyst of Design and Development



Account/All Collection Information

+ New

Save

Delete

Money Receipt

Search

Search

## All Collection Information

All Collection Information For Meal Management System

\*Collection Type

Employee Account ▾

\*Collection Date

31-Aug-2021

\*Collection From

Collection From

\*File Up

Choose File No file chosen

Remarks Max (512 Characters)

0 Maximum 512 Characters

### Collection Information

Remarks Max (250 Characters)

\*Payment Mode

Cash ▾

31-Aug-2021

Amount

+ Add

Activate Windows  
Go to Settings to activate Windows.

Total Amount

0.00

# Payment Information



Settings ▾ Inventory ▾ Accounts ▾ Report ▾

Name : Fatema Akter Akhri  
Business Analyst of Design and Development



Account/All Payment Information

+ New

Save

Delete

Money Receipt

Search

Search

## All Payment Information

All Payment Information For Meal Management System

\*Payment Type

Supplier Account ▾

\*Payment To

Payment To

\*Payment Date

31-Aug-2021

\*File Up

Choose File

No file chosen

Remarks Max (250 Characters)

### Payment Information

Remarks Max (250 Characters)

\*Payment Mode

Cash ▾

31-Aug-2021

Amount

+ Add

### Payment List

31-Aug-2021

31-Aug-2021

Go

Activate Windows  
Go to Settings to activate Windows.

# Meal Management Ledger



Settings ▾ Inventory ▾ Accounts ▾ Report ▾

Name : Fatema Akter Akhi  
Business Analyst of Design and Development



## Meal Management System

MA-33/A-1, West Merul Badda, Gulsan 2, Dhaka 1212

Phone : +88 017 0000 0001 E-mail : mms@gmail.com Web : www.mealmanagement.info

### - Ledger

| SL # | Date        | Account Head                 | Reference | Particular   | Debit    | Credit   | Balance  |
|------|-------------|------------------------------|-----------|--|----------|----------|----------|
| 1    | 29-Aug-2021 | Cash                         |           | Cash RECEIVE from EMP-000001 on 2021-08-29 2500 TK       | 2,500.00 | 0.00     | 2,500.00 |
| 2    | 29-Aug-2021 | Account Receivable(Employee) |           | EMP-000001 on 2021-08-29 2500 TK                         | 0.00     | 2,500.00 | 0.00     |
| 3    | 29-Aug-2021 | Cash                         |           | Cash RECEIVE from EMP-000002 on 2021-08-29 3500 TK       | 3,500.00 | 0.00     | 3,500.00 |
| 4    | 29-Aug-2021 | Account Receivable(Employee) |           | EMP-000002 on 2021-08-29 3500 TK                         | 0.00     | 3,500.00 | 0.00     |
| 5    | 29-Aug-2021 | Cash                         |           | Cash RECEIVE from EMP-000003 on 2021-08-29 1231 TK       | 1,231.00 | 0.00     | 1,231.00 |
| 6    | 29-Aug-2021 | Account Receivable(Employee) |           | EMP-000003 on 2021-08-29 1231 TK                         | 0.00     | 1,231.00 | 0.00     |
| 7    | 29-Aug-2021 | Cash                         |           | Cash RECEIVE from EMP-000004 on 2021-08-29 5120 TK       | 5,120.00 | 0.00     | 5,120.00 |
| 8    | 29-Aug-2021 | Account Receivable(Employee) |           | EMP-000004 on 2021-08-29 5120 TK                         | 0.00     | 5,120.00 | 0.00     |
| 9    | 26-Aug-2021 | Cash                         |           | Cash PAYMENT to SUP-000001 on 2021-08-26 09:07:49 650 TK | 0.00     | 650.00   | 650.00   |

# Day wise Meal Statement



Settings ▾ Inventory ▾ Accounts ▾ Report ▾

Name : Fatema Akter Akhi  
Business Analyst of Design and Development



## Daywise Meal Statement

Start date 01-Aug-2021

31-Aug-2021

End date

Generate



## Meal Management System

MA-33/A-1, West Merul Badda, Gulsan 2, Dhaka 1212

Phone : +88 017 0000 0001 E-mail : mms@gmail.com Web : www.mealmanagement.info

### Daywise Meal Ledger

DATE : 01-Aug-2021 To 31-Aug-2021

| SL    | Meal ID           | Date        | Remarks | Total Meal | Total Cost |
|-------|-------------------|-------------|---------|------------|------------|
| 1     | MEAL-20210810-001 | 10-Aug-2021 |         | 5          | 1.00       |
| 2     | MEAL-20210818-001 | 18-Aug-2021 |         | 20         | 120.00     |
| 3     | MEAL-20210820-001 | 20-Aug-2021 |         | 7          | 100.00     |
| 4     | MEAL-20210826-001 | 26-Aug-2021 |         | 12         | 650.00     |
| 5     | MEAL-20210827-001 | 27-Aug-2021 |         | 12         | 550.00     |
| 6     | MEAL-20210829-001 | 29-Aug-2021 |         | 9          | 120.00     |
| 7     | MEAL-20210830-001 | 30-Aug-2021 |         | 13         | 112.00     |
| 8     | MEAL-20210830-002 | 30-Aug-2021 |         | 4          | 16.00      |
| 9     | MEAL-20210830-003 | 30-Aug-2021 |         | 6          | 8.00       |
| Total |                   |             |         | 88.00      | 1,677.00   |

Activate Windows  
Go to Settings to activate Windows.



# SECURITY & USABILITY

## ❖ SECURITY

User security requirement will have the following features:

- User Log In
- User Manage
- User password Change

## ❖ USABILITY

- User interface should be user friendly and easy to access.
- User Documentation Requirements

## ❖ GOALS OF THE PROJECT

- It allows the member to take place meal order by online.
- Meal deadline time for selecting future meal.
- This system will developed for all kind of hostels such as school, college or university and many others food ordering system.

# **LIMITATIONS & FUTURE WORK**

## **❖ LIMITATIONS**

Some of the limitations of the proposed system are:

- The system cannot handle the online payment of hostel member's meal payment and maintenance fee.
- The system cannot handle other issues.

## **❖ FUTURE WORK**

- Developed mobile application.
- Online payment system.

# CONCLUSION

- This is achieved through an easy to use graphical interface menu options .
- The users can add any meal item by simple clicking the add button each item.
- This project is easy to use school or college hostel, office.

# Reference

I. Learn activity diagram

[https://www.tutorialspoint.com/uml/uml\\_activity\\_diagram.htm](https://www.tutorialspoint.com/uml/uml_activity_diagram.htm)

II. Gather knowledge Use Case Diagram <https://online.visual-paradigm.com/tutorials/use-case-diagram-tutorial/>

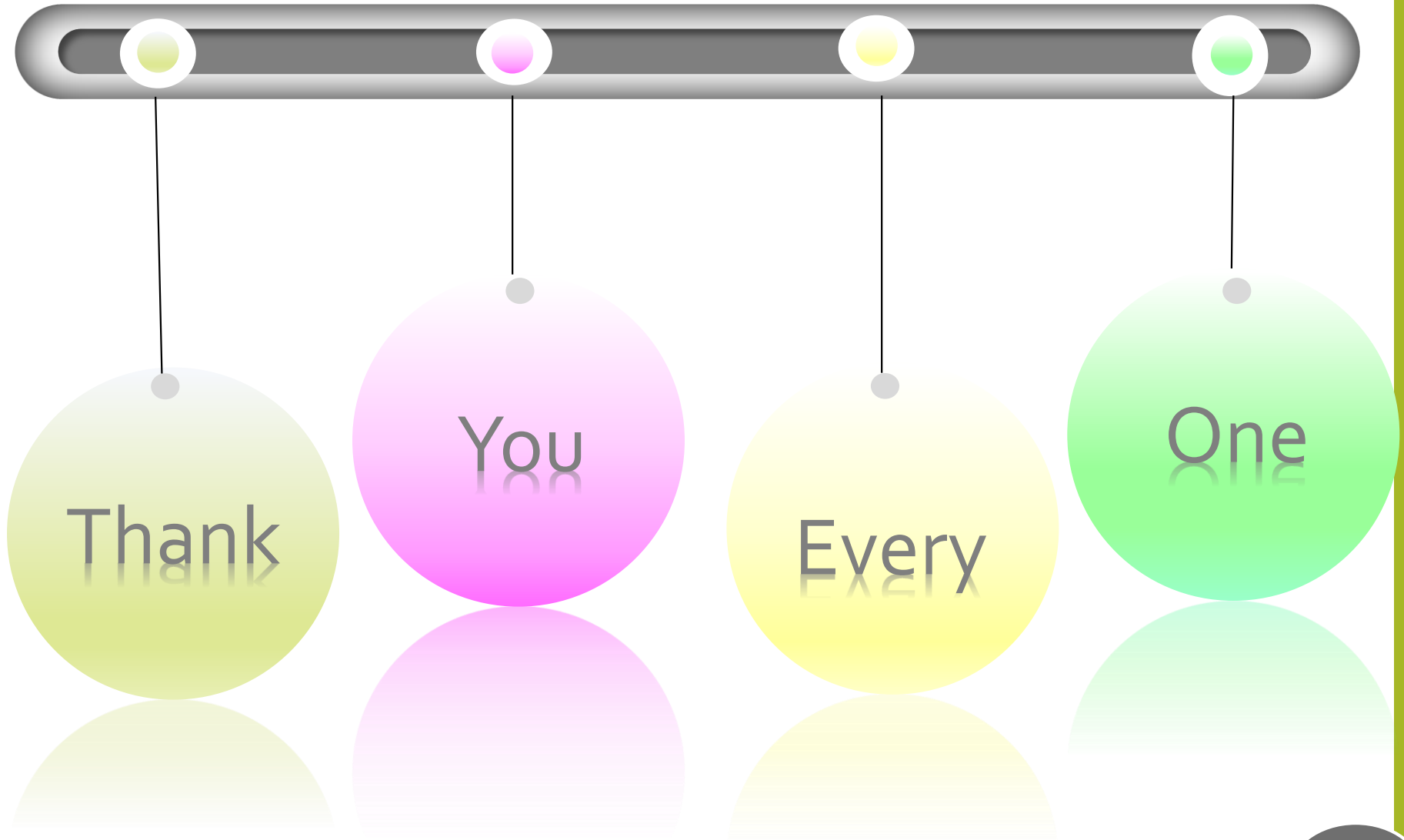
III. Gather knowledge Class Diagram

[https://www.tutorialspoint.com/uml/uml\\_class\\_diagram.htm](https://www.tutorialspoint.com/uml/uml_class_diagram.htm)

IV. Gather Knowledge Sequence Diagram

<https://creately.com/blog/diagrams/sequence-diagram-tutorial/>

V. Draw Diagram <https://www.draw.io/> VI. Knowledge Gather About Gantt chart <https://plan.io/blog/gantt-chart-excel-template/>



# Any questions?