

RAJSHAHI UNIVERSITY OF ENGINEERING & TECHNOLOGY

Course No: CSE-2100

Course Title: Software Development Project-1

Submitted By:

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Project Planning:

Meal management is a solution for any kind of bachelor mess/Hostel meal related problem. I will use Java Swing as a framework. In the system a manager can manage complete system without single line of coding knowledge. This meal Management System will allow single admin and multiple members. Mess-boarders face problem to calculate and store all the records based on a member data including monthly meal cost, deposits and much more. This system will hopefully solve this problem.

Tools:

- Command language: Java
- Framework: Java swing
- Platform: NetBeans IDE 8.0.2
- Database: Mysql and xampp server

Objectives:

This project is to automate the process of meal management of a student hostel.

1. Will save a lot of time and effort.
2. Will not require any manual calculation.
3. Everything will be saved in database.
4. No risk for losing data.

Description of Project completion:

1. An login page and signup page has been developed to register and login for manager account.
2. A Dashboard interface has been developed where there are some panel to add meal member ,their meal ,expenses and given amount,Containing some button(perform operation).And tables,labels and textfield to show and write data.
3. In Dashboard there is an special panel called monthly closing,contain a button(by pressing this all the necessary calculation is performed) and table to show calculated data.
4. All the added data will be saved in database(using sql query in xampp local server).

Incomplete Portion:

- Some of update and delete button related functionality has not been added yet .For these they may not perform as they should.
- Some of bug to be fixed.

Future Development:

- I will try to use database relationship to handle data more efficiently.
- We will try make this a online app. where multiple device login will be supported
- Also will try to convert meal management to hostel management by including(rent, electric fees, student database etc).
- Or will try to convert it as a caterin service management.
- Will try to add online payment API.

Conclusion:

This project is done using local server which is used for testing purpose. later if this project can be done with the help of online server, then lot of the problem will be solved, I will be able to make it an online based application where there will be many login devices (Then some of interface can be changed). And data will not be machine dependent.

And if it is done properly, I hope it will be a real time app to implement in many student/bachelor hostel.