FOOD TRACKING AND ATTENDANCE SYSTEM

Mr. Vivek Pandey[1], Ms. Sharda R. Kekan[2], Ms. Tejashree N. Shinde[3], Ms. Ujwala D. Shirke[4]

[2, 3, 4] UG Scholar, Dept. of Computer Engineering, Alamuri Ratnamala Institute Of Engineering And Technology, Shahapur, Thane, India

[1] Assistant Professor, Dept. of Computer Engineering, Alamuri Ratnamala Institute Osf Engineering And Technology, Shahapur, Thane, India.

Abstract

Organizations such as hostels, P.G. Centers handles large day to day records. Traditionally they get started physically on paper sheets or computer as excel sheets or word files. But maintaining such records is very difficult especially when there are more numbers of students are involved. Hence a separate record keeping system is a need of the hour. Such system can record attendance, punch meal coupons and then display reports on the end of the day. For this purpose we are introducing food tracking and attendance system. In this project report we are going to have detailed discussion about Food Tracking And Attendance System, it's technology and its function. We will see how it will work and will achieve its functional goals

Introduction

Food tracking and attendance system is a web application used to record attendance and meal coupons. It is a student information system (SIS) application. Installing RFID or BIOMETRIC based system can be very costly and in supervised environment it is unnecessary. Hence this system is cost saver for many organizations.

Food tracking and attendance system has 3 modules. 1. Adding and deleting student Information, 2. Adding records, 3.Report viewing. Student information can be as basic as Name and Registration number to photo and background records depending upon requirement. Then for meals there are 3 types included Breakfast, Lunch, Dinner. While recording attendance is once a day task.

Reports involved day reports and user specified time period reports. Periodic reports also included analytics since complexity of reports can be decreased. This analytics helps understanding the reports properly and gives desire results thus saving the work of going through all the records. It runs on almost all platforms that supports PHP and database. By installing it on the web server it can be accessed using Smartphone also.

Food tracking and attendance system's Architecture

Fig.1 Systems Architecture

GUI 1: Main provides the basic navigation access to the user allowing him to choose his login type as Administrator, warden or Mess In charge.

GUI 2: Based on the users selection on the first screen he is navigated to the other screen on the basis of selection he/she made.

GUI 3: This screen is the users main work area from the navigation menu the user selects for the operation to be performed and is taken to the respective domain of the project

Frontend

Food tracking and attendance system's comprises of PHP, HTML, and CSS. Food tracking and attendance system's libraries, modules (such as resources and activities), blocks, plugins, and other entities are represented in code. It is stored in a file system of the web server. The code includes all elements that deal with the backend and frontend operations. HTML and CSS is used to design the applications UI while PHP is used to do the actual functionality of application. Here PHP connects application with backend also. Abd provides module to perform the tasks.

Backend

Dealing with databases in web-based applications is always tough. While Food tracking and attendance system provides a user interface to perform this task, it is sometimes necessary that, as the administrator, you will have to bypass this mechanism and use other means. First though, let us look at the built-in database that is also the one used by warden and mess incharge. Following tables are there

- Student information comprises of name and registration number

- Attendance to record the attendance.

Proposed System

- This system is very helpful for hostels and saves time and manpower. In future upgrades we can remind any student, the time for his/her meal and system can show which student is not present.

- This Application is built for automating the processing of attendance. It also enhances the speed of performing attendance task easily. It also generates periodic reports to keep a check on the students who are regular & who are not.

- In this project we are planning to develop Food tracking and attendance system.

- This system will have 3 modules

- First will be for adding and removing student information. Here by sampling providing student name and registration number, new student will be added in the database. And deleting the same will also be as simple.

- In second module report viewing component will be there. Which will show the user desired reports. Only the admin, the concerned staff or faculty member is given the authority to generate report. The report is generated by selecting from and to dates.
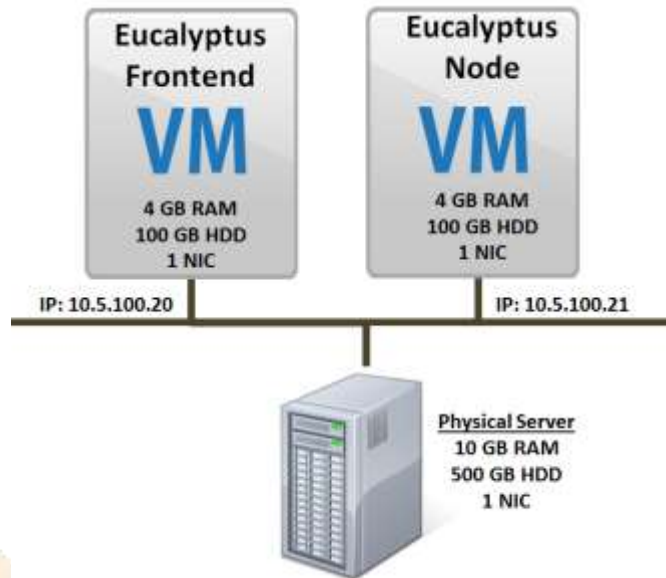
Setting up server

Servers like WAMP or XAMP allows setting up web application on Local network or system.
Here are the step involved for implementation of this application

- Install the XAMP/WAMP server.

- Put the Application on HTDOCS folder

- Create a Database named 'records' and put username and password of the same in include file named as connection.inc.php.

- Create tables named as Students, Attendance, Breakfast, Lunch, Dinner.

- Start using the Applicatio

- Breakfast, Lunch and dinner to punch meals.

- All the tables have date as the first column
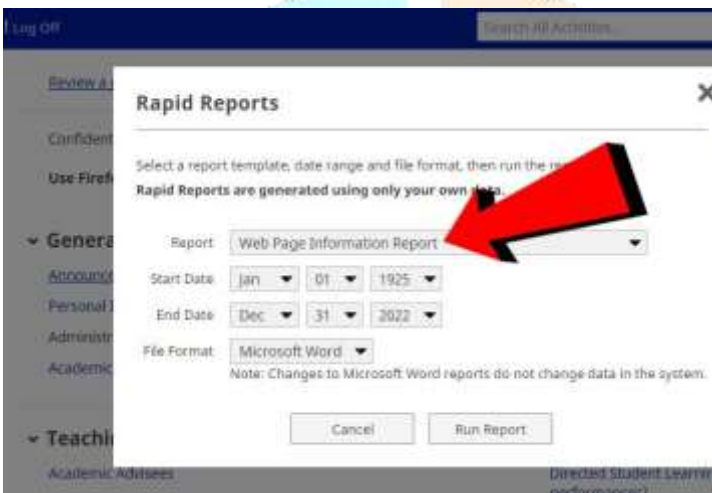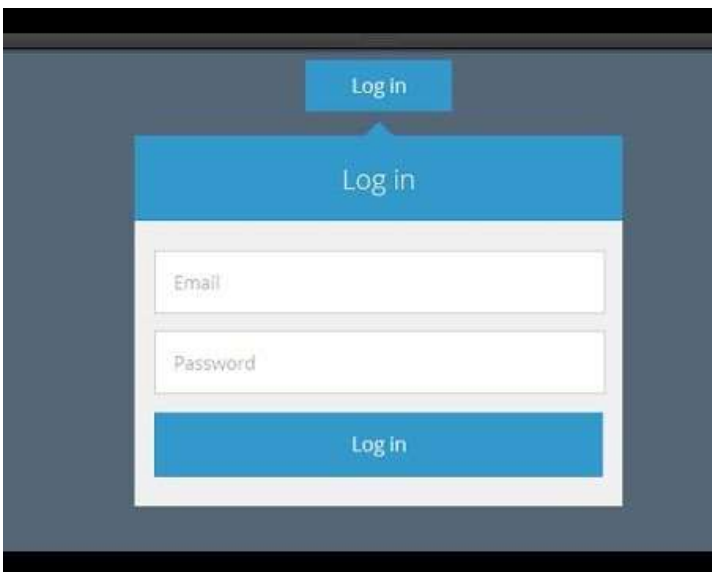
Conclusion

- This was our project of Food tracking and attendance system. We put lots of efforts for user side satisfaction.

- We trying to give our best. There may be more improvements possible in this system. We come to know various new things while working with this project of developing Food tracking and attendance system.

- Overall, students had a positive attitude while working on the task and using the medium. The results showed that student's perceptions are statistically significant predictors of student's attitudes towards the virtual learning environment.

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