

Review on College Portal Management

Mr. Pranav Gajanan Ingle¹, Ms. Sakshi Dinkar Junare², Ms. Snehal Vijay Badhe³,
Mr. Ajinkya Sudhakar Wadode⁴

¹Student, Computer Science and Engineering, Padm. Dr. VBKCOE, Malkapur, Maharashtra, India

² Student, Computer Science and Engineering, Padm. Dr. VBKCOE, Malkapur, Maharashtra, India

³ Student, Computer Science and Engineering, Padm. Dr. VBKCOE, Malkapur, Maharashtra, India

⁴ Student, Computer Science and Engineering, Padm. Dr. VBKCOE, Malkapur, Maharashtra, India

ABSTRACT

The management and provision of knowledge about the academic process is an important part of effective management of the academic process within the institutes of upper education. During this paper the wants of a reliable student management system are analyzed, formed a use-case model of student information management system, designed and implemented the architecture of android app. Regarding the implementation process, modern approaches were used for develop and deploy a reliable online application in cloud computing environments specifically.

Keywords: Cloud Computing, Student Management System, PaaS, SaaS, IaaS.

1. INTRODUCTION

College vascular system is that the system which manage students, Fees, teachers, classes, subjects, hostels etc more. Here, the user can use the features of CRUD and manage fees, student, bank, teachers, classes, subjects, streams, timetable, hostel, events, notices/announcement, fee structure, exam result, attendance. Login sessions can even be viewed from the admin panel. Now talking about all the most functions of the system that's the feature to feature, edit, delete and examine students, teachers, classes, hostels, streams, and management of Fees. While creating a student profile, the user has got to provide full name, and date of birth, attach photos, license number, select class, stream, and hostel, date of joining, category, balance, year, total fees, select gender, advance fees, custodial person of student. The project College portal has been developed for World User for android market and college laser. use is especially focused on College Administration in mobile application. It helps the users to keep up their various details. the most advantage of using this application is it reduces the time of generating plan to any or all over the classes and staff's details are maintained. The method during this project is to be organized institute Staff and Subject Class batch wise, And Also Maintained by Student Attendance details organized by staff directly Responsibility of the vision of my captured Student details, Class based Attendance hour wise organized mobile application The Project Coding denped on Several Tools is apply to develop the this mobile application (java jdk) are so well connected that the protect resembles to the computerization of the online services operation of the firm. The database design and programming techniques has highly enhanced and optimized. This makes college portal an overall user friendly and straightforward for naive users.

1 Project Scope

The following project has much scope both in present also as future. In present situation the system will be accessed both in laptops and mobile devices. The scope of the project any mobile device which has the access to its server on which the project has been deployed, ie, the project is developed as an internet application, and it will work for a selected institute. But in a while the project will be modified to control for several institutes. In future the system are often automated using students fingerprint.

1.2 Purpose:

The purpose of developing college portal is to computerized the tradition way of taking attendance. Another purpose for developing this software is to come up with the report automatically at the top of the session or within the between of the session.

1.3 Overview:

College portal basically has two main modules for correct functioning First module is admin which has right for creating space for brand spanking new batch. Any entry of new faculty, Updating in subject if necessary, and sending notice. Second module is handled by the user which may be a faculty or an operator. Laser contains a right of constructing daily attendance, generating report.

2. LITERATURE SURVEY

Analysis is often defined as calling it off of any whole so on determine their nature, function etc. To plan and perform especially by artistic arrangement or in a very skilful wall. software analysis and style are often characterized as a group of processes a community of interests, a culture and an intellectual orientation. the assorted tasks within the system analysis include the subsequent Understanding application.

- Planning
- Scheduling
- Developing candidate solution
- Performing trade studies
- Performing cost benefit analysis
- Recommending alternative solutions
- Supervising installing and maintaining the system

This system manager to the analysis of the report creation and develops manual entry of the coed attendance. First design the student entry form staff allocation and schedule allocation forms. This project will help the attendance system for the department calculates percentage and reports for eligibility criteria of examination. The applying attendance entry system will provide flex idle report for all students.

2.1 Existing System:

Existing system could be a manual entry for the scholars. Here the attendance are going to be disbursed within the hand written registers. it'll be a easy job to take care of the record for the user. The human effort is more here. The retrieval of the knowledge isn't as easy because the records are maintained within the hand written registers. This application requires correct key on input into the respective field. Suppose the incorrect inputs are entered the appliance resist to figure, therefore the user find it difficult to use.

2.2 Proposed System:

To overcome the drawbacks of the present system, the proposed system has been evolved. This project aims to cut back the paper work and saving time to get accurate results from the student's attendance. The system provides with the most effective programme. The efficient reports may be generated by using this proposed system. Advantages of Proposed System

- It is trouble-free to use.
- It is a comparatively fast approach to enter attendance is very reliable, approximate result from user Best programme and efficient reports.

2.3 Objective:

Our project is online college portal and therefore the objectives are –

- Reduces admin work by mntegrating the main points of the student of all the three departments single database.
- Manual work for information retrieval on attendance becomes less is that the work becomes digitized.
- Easy accessibility for college students because they'll view their attendance and form up for the shortage of attendance accordingly.
- It's also time saving as manual work is a smaller amount.
- There is less chance of error.
- Terminates duplicate data entry in time and attendance entries.
- Auto-generation different varieties of reports of student attendance

3. SYSTEM DEVELOPMENT

3.1 Module Description

The system should be designed in such unique way that only authorized people should be allowed to access some particular modules. The records should be modified by only administrators and nobody else. The user should be in boundary of college portal and not the the other way around The interface should be consistent so the user can handle college portal with case and speed. College portal should be visually, conceptually clear.

3.1.1 Administrator module

Student Module Details - In this module deals with the allocation of roll no and private details for brand new hatch. it'll generate of non-public details and academic details of the student

Teacher Module Details - It helps to all or any the topic and therefore the subject code to the actual staffs. It provides the power to own a user name and password to the steps.

Report Module Details - Report will be taken by daily. Weekly which helps to maintain and see the criteria of students for examination and other things like internal marks

3.1.2 Teacher module

Attendance details - It assist the gaff to mark attendance to the student for his or her subject. this can authenticate the staff before making the entry.

Report details - Weekly report get details of attendance from first day to end day to see for where the student is eligible for examination and other things like college trophy or etc.

3.1.3 Student module

Create report: get details of attendance from first day to last date and show the status.

3.2 Design Constraints

This software provides security. The login form prevents the system from being hack by invalid users. Only a certified operator are granted rights to change as per requirements This software is abo reliable and fault tolerant. The system developed is intended to handle invalid inputs. Since reliability is major area of concern the system includes a backup to avoid data loss. The user should know the programuning language alright that's accustomed develop software.

3.2.1 Security

The security requirements handle the first security. The software should be handled only by the admin and valid users. Only the admim has right to assign permission like creating new accounts and generating password. Only valid users can access the system with useame and password.

3.2.2 Performance

Easy tracking of records and updating may be done. All the wants referring to performance characteristics of the system are per the section below. There are two styles of requirements.

3.2.3 Maintainability

Backups for database are available.

3.3 System Feature

3.3.1 Database Storage

- Front end is HTML or JSP to make web content like (home page, user login page, product details page etc.)
- Also store, update and retrieve the user details and products details consistent with the data registered at the back-end.

3.4 External Interface Requirements

This interface are going to be actual interface through which the user will communication with college portal and perform the specified tasks.

*Admin login

Role: Admin wishes to login to the system

Precondition: Username and Password ID

Precondition: User has successfully navigated to the search result

1. To edit user records within the data base, first search the record you wish to edit then click on 'edit' button.
2. Edit the particulars user that you simply want to alter and click on on' Save' button.

Software Product Features College portal Login system description the system will handle the login information of its valid user to enter in to the software

*Validating Checks

*Administrator have to login the unique id and password.

*Contact number should have maximum 10 digits.

*All the small print must be refill.

*Email address should be within the proper format.

Sequencing information

*Before the user allowed.login information should be filled

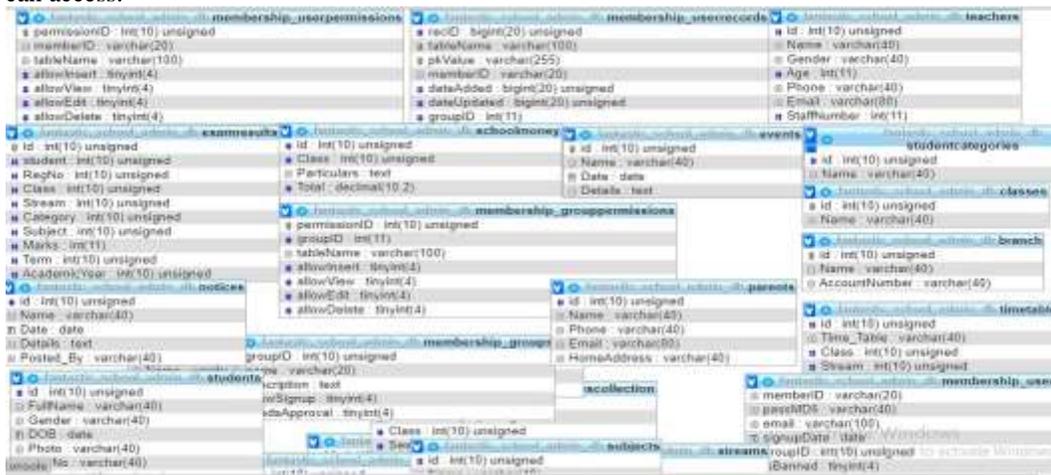
Error Handling

*If user doesn't filled up valid information then the software display error message for user and request to enter the valid information.

Performance required

Security

*System should be shielded from unauthorized access Where the validate Username and Password are required so no other can access.



*Logical Database

*Data Design

Data Model: A database model may be a kind of data model that show the logical structure of a database and determines which type of data are often stored, organized and manipulated.

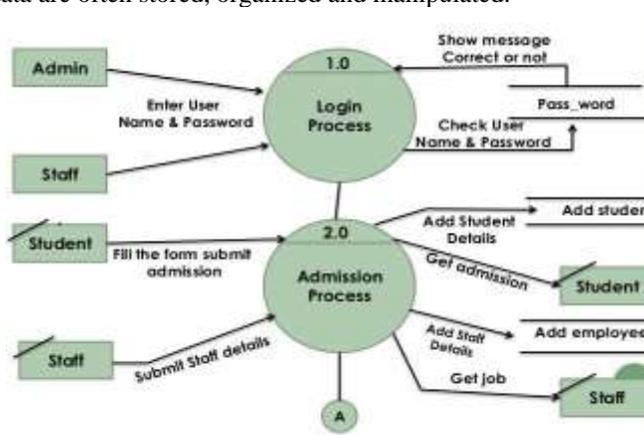


Figure 3.4 Data Design

3.5 Profile of Problems

In the present system all work is completed on paper. It takes long process to induce the appointments of the doctors. Patients have to attend the hospital and acquire the appointments of the doctors which can consume patient's time and money

3.6 Structure of the project

1. Before Login
 - Login
 - Register
- After Administrator Login
 - Add Members
 - Manage Members
 - View Students
 - View Hostels
 - View Groups
 - Logout
- After Members Login
 - View Students
 - View Hostels
 - View Classes
 - View Attendance
 - Logout

4. CONCLUSION

The College Management system is developed using Javascript and php. We developed this system to solve the problem of manual record which is quite difficult to handle for large groups of people.

5. REFERENCES

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