

WEB BASED SCHOOL ADMINISTRATION SYSTEM

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Abstract –This paper will propose a method for school administration system. It is user interface for controlling all the function that happens in the school. This application is aimed to develop school administration application software which can streamline the administration of the school. It is often felt that the school management is chaotic in nature. It can be used by educational institutes to maintain the records of students and faculties easily. The management gets accurate and up-to-date information regarding a student academic career is important in the schools and school administration system that deals with all kind of school details such as academic related reports, student details, faculty details and other resource related details too.

Keywords: school administration system, admin, faculty, database, school

1. INTRODUCTION

The design and implementation of a school administration system and user interface is to replace the current paper records. School staffs are able to directly access all the aspects of student's academic progress through a secure, online interface embedded in the school's website. The system utilizes user authentication, displaying only information necessary for an individual's duties. Additionally each sub system has authentication allowing authorized users to create or update information in that sub system. All data is thoroughly reviewed and validated on the server before actual record alteration occurs. In addition to a staff user interface, the system plans for student user interface, allowing users to access information and submit request in online thus reducing processing time all data is stored securely on SQL servers managed by the school administration and ensures highest possible of security. The system future say complex logging systems to track all users access and user conformity to data access guideline and is accepted to increases the efficiency of school administration system thereby decreasing the work hour needed to access and deliver student record to user online system is widely accepted of doing modern business and is more convenient for user. Online services are also quicker, effective, secure and fast catching. Hence modernization school administration system and integration with web based system is kind of mandate to sustain the revenue in this project, I have created an online school administration system for modernizing school services. Along with that a lot

many crowd pulling features and services are intergrated to enhance the popularity and acceptance school administration system.

2. RELATED WORK

A. Purpose of the document

This project is for only private school, to run its administration in more efficient way. The project is aimed at providing the details for more than thousand students in a school. This project is focused to course planning to the faculties and to get the details of the particular students. Although this project is considered as prototype model, the project could be extended later to built full course planning system to big schools.

B. Main modules of the system

1. Registration: The module registration is a moodle activity for registration of students to have their complete details of their academic details and personal details in the software.
2. Login: This module is for security. It will check username and password and allows the students to login to the application. Login is the purpose by which an individual gains access to a computer system by identifying and authenticating themselves.

3. Admin: Admin can add all the information about the schools, students and faculties. Admin model is very important as it helps one to add details and delete details.

4. Students: The school students can view information that all are uploaded by the admin. Each students can register only himself/herself.

3. OBJECTIVES

- To provide online interface for students, faculty and management.
- To increase the efficiency of school record management.
- To enable security to the system.
- To realize the statistical analysis function of student information.
- To decrease the time required to access and deliver student records.

- To manage student file to enhance ,management level and confidentiality of the student records.

4. Literature survey

[1]. Zhibing Liu, Huixia Wang Hui Zan “Design and implementation of student information management system”. According to the author, introduction to the basic concepts underlying school building administration. The theory and practice of educational administration is analyzed and major concept of formal organization, motivation, authority, leadership, decision making, conflict in organization, and organizational change are analyzed.

[2]. S.R.Bharmagudar, Geeta R.B and S.G.Totad “web based student management system”. According to the author the design and implementation of a comprehensive student information system and user interface is to replace the current paper records. School Staff are able to directly access all aspects of a student’s academic progress through a secure, online interface embedded in the school’s website.

[3]. M.A.Norasiah and Norhayati “Intelligent student information system”. According to the author, the database may get crashed at any certain time due to virus or operating system failure. Therefore, it is required to take the database backup.

[4]. Ragab, A.H.M., Intelligent Systems Design and Application. According to the author, the system first analyze student’s academic merit, student records and the collage admission criteria. Then, it predicts the likelihood university collage that a student may enter. This software present a new collage admission criteria.

[5]. CAI Chang-an. WANG QI, “Design and implement of student information management system based on B/S model”. According to the author, for each of the schools, faced with such a large amount of information, in order to accurately and efficiently carry out the students management to the basis of a full grasp of information, the extent of difficult task is unimaginable.

5. PROBLEM STATEMENT

To design and develop school administration system which contains up to date information of the school which will improve efficiency of school record management.

6. USE CASE DIAGRAM

A use case diagram is a graph of actors, a set of use cases enclosed by a system boundary, communication associations between the actors and users and generalization among use cases.

ADMIN:

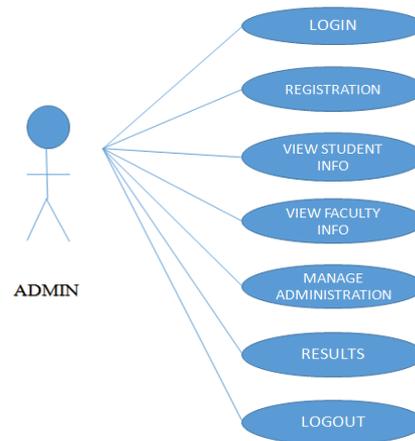


Fig 3.1 Use case diagram for admin

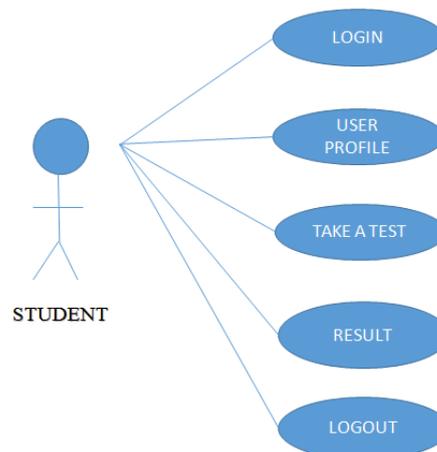


Fig 3.2 Use case diagram for student

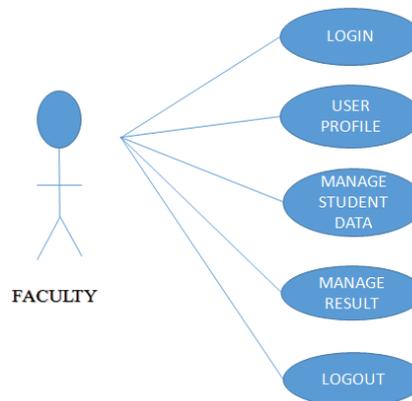


Fig 3.3 Use case diagram for Faculty

7. ACTIVITY DIAGRAM

The activity diagram focuses on representing activities or chunks of processing which may or may not corresponded to the methods of classes.

- [4] Ragab, A.H.M. Hybrid recommender system for prediciting collage admission, Intelligent system Design and Application (ISDA), 29 NOV 2012.
- [5] CAI Chang-an, WaNG Qi, "Design and implementation of student information management system based on B/S model", computer engineering and design, Beijing, 2012.

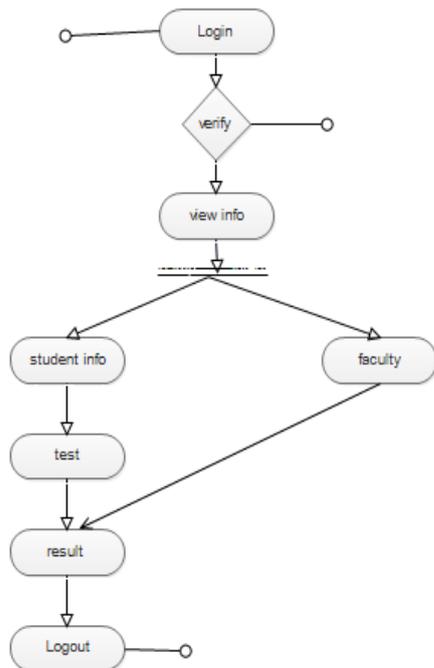


Fig 4.1 Activity Diagram

8. CONCLUSIONS

School administration system is highly developed web based application for performing all the school works by using application. We can control all the operation of the school and keep relation between student, faculty and management. By using web application finally we can give conclusion that it is fast and high performance in viewing and monitoring the school administration system.

9. REFERENCES

- [1] D. Zhibing Liu, Huixia Wang, Hui Zan "Design and implementation of student information management system." 2010 International Symposium on intelligence information processing and trusted computing.
- [2] S. R.Bharmagoudar, Geeta R.B and S.G. Totad, "Web based student management system.", Andra Pradesh, vol.2 June 2013.
- [3] M.A.Norasiah and A.Norhayti "Intelligent student information system.", 4th International conference on telecommunication technology proceedings. Shah Alam, Malaysia, 0-7803-7773-7/03 2013 IEEE.