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Enhanced Automated Exam Hall Management System

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Abstract- The paper entitled “EXAM HALL SEATING ARRANGEMENT” is used to integrate complete operation of exam hall management. Here the project is developed in ASP.NET as front end and SQL SERVER as back end. Exam hall arrangement for students during examinations is distributed. Students face difficulties as they have to scrounge for their examination hall numbers while they are wits end. An innovation which could aid the students in finding their exam halls would be welcoming and very rewarding. This project presents a modernized method of examination hall management. It is possible for a student to identify the exam hall from anywhere. Examinations are conducted periodically in all educational institutions which are to be conducted systematically and properly. By automating the examination system, the coordinators of the examination can conduct the examination system, the examinations are conducted smoothly, error free and systematically. This system will shed the present issues, while also propelling a paperless area meanwhile[4].

Keywords- ASP.NET, SQL SERVER.

I. INTRODUCTION

Examination hall seating arrangement system is developed to simplify the allocation of halls during the exams. It facilitates to access the examination information of a particular student in a particular department. It also display the exam time and date. Purpose for developing this Web Development is to generate the seating arrangement report automatically during the exams. This system takes the details as input from the database depending on the selected branch. It also generates the student list for each room. The exam hall seating arrangement system is used to store the student's information and room details. The students able to retrieve their information based on the register number and also it sends the information to the students Mail-Id. It also used to allocate the rooms automatically for the particular student in a particular department. This system display, how many rooms are required to write the exams based on total number of students, number of rows and columns of a particular room. This system can arrange the rooms automatically based on the room number and number of rooms. Then we can able to see the arrangement of particular room. This system will display the date and time of the examination based on the course code.

Web development is the work involved in developing a Web site for the Internet (World Wide Web) or an intranet (a private network). Web development can range from developing a simple single static page of plain text to complex web applications, electronic businesses, and social network services. A more comprehensive list of tasks to which Web development commonly refers, may include Web engineering, Web design, Web content development, client liaison, client-side/server-side scripting, Web server and network security configuration, and e-commerce development.

For larger organizations and businesses, Web development teams can consist of hundreds of people (Web developers) and follow standard methods like Agile methodologies while developing Web sites. Smaller organizations may only require a single permanent or contracting developer, or secondary assignment to related job positions such as a graphic designer or information systems technician. Web development may be a collaborative effort between departments rather than the domain of a designated department. There are three kinds of Web developer specialization: front-end developer, back-end developer, and full-stack developer. Front-end developers are responsible for behavior and visuals that run in the user browser, while back-end developers deal with the servers.

II. STATUS OF CUREENT AVAILABLE SYSTEMS

The current system is manual this record keeping is done manually and all types of lists are generated manually so we need a system to automate this work. The system will have function to automate the current manual record keeping of hall allotment of students. In the proposed system all the hall allotment details are automated. The student's details are entered along with their department and the semester. All the details about the students will be stored in a database. When the information is need, it can be easily retrieved. Admin can easily allocate the hall for students. Each student can check their hall by entering their id. The new system will be fast, efficient, easy to operate and accurate.

Limitations of Existing System:

The main limitations of the existing system are

- Its manual system so its take a lot of time for prepare seating chart.
- Increase the ratio of exam hall cheating by arranging seats for large students.
- Maintain the paper work.
- Manpower was required.

III. USERS OF THE SYSTEM

- Individuals student login.
- System administrator.

IV. PROPOSED SYSTEM

This project is applicable to examinations conducted in colleges, schools or any other organizations conducting examinations. This project deals with the automation of whole process of examination work such as preparing examination schedule, entering the details of all the students, additions and deletions of students' details wherever required, exam details, class rooms etc. This project also deals with allocation list, class room allocation etc. As there is a admin interference in the provider, system is highly authenticated[6].

ADVANTAGES IN PROPOSED SYSTEM

- It takes less time to store and retrieve the data
- It gives proper results
- There is no need of high manpower
- It gives high security
- Retrieval of data takes less time
- Reports take less time to produce

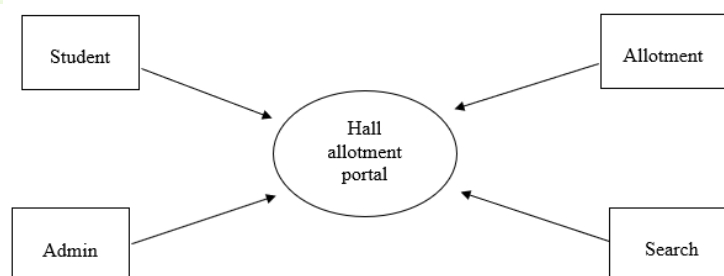


Fig.1

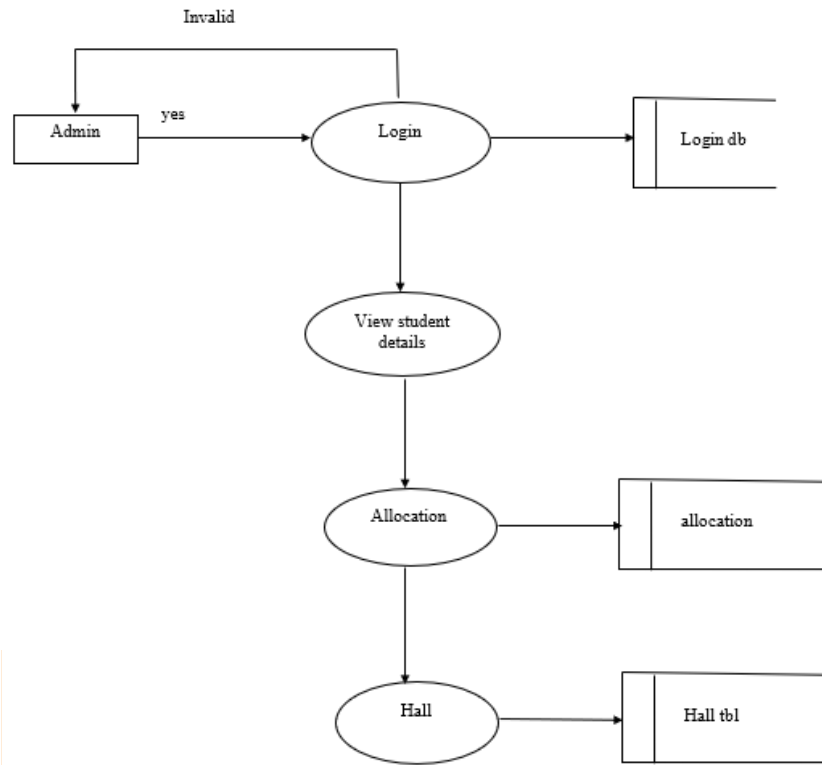


Fig.2

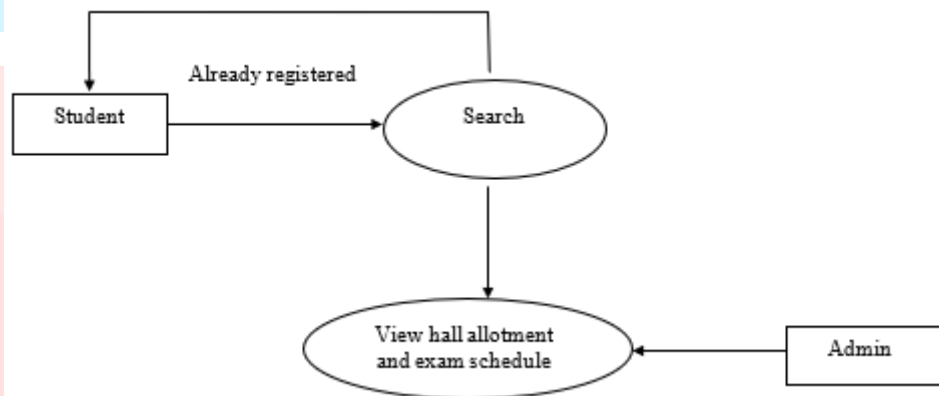


Fig.3

V.MODULE DESCRIPTION

Administrator Module:

This module enables the administrator to perform exam hall allotment. Admin can login by using the unique username and password. This is used to prevent unauthorized access. The administrator can add or modify students and exam schedule and hall details.

Student:

In this module, Admin will add student details with department. It is used to manage the student details. After receiving the username and password.

Examination cell:

Admin who has the right for creating new examination cell for new batch and update student allotments. Admin will

choose students for particular hall along with the exam name and the date of exam.

Search:

This module is handled by the users. User can view the examination seat allotment and also the examination schedule can check their hall by entering their register number.

Reports: In this report module, the reports are generated such as Student details, Allotment details etc...

VI. IMPLEMENTATION

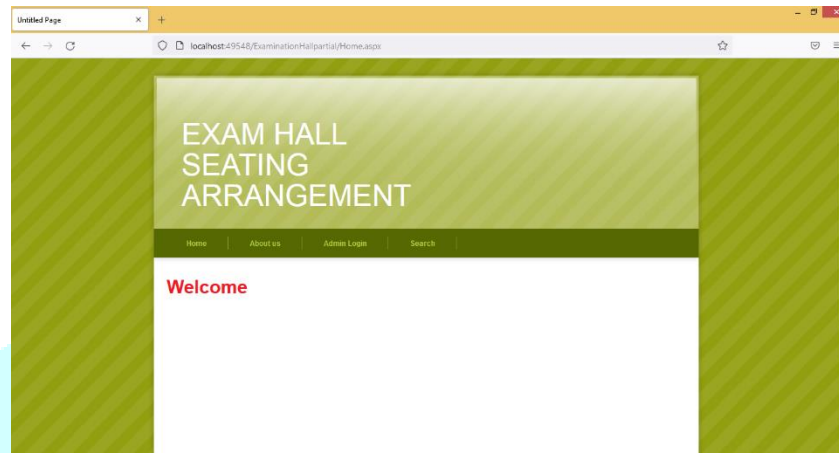


Fig.6.Stimulation Output

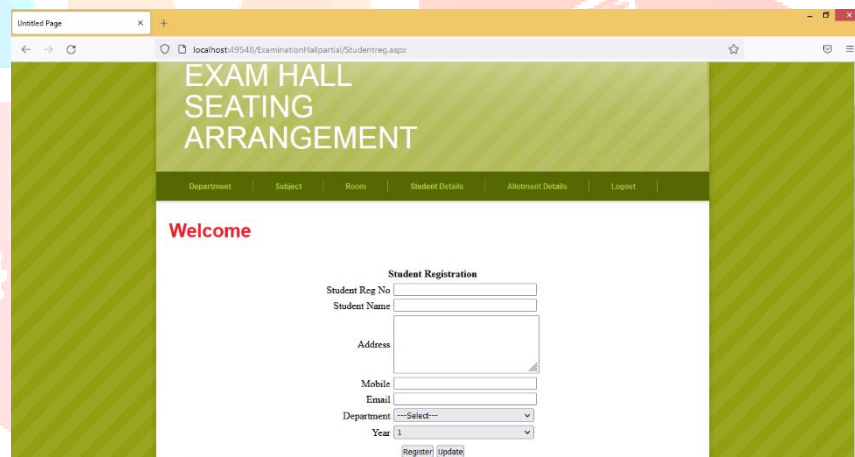


Fig.7.Final Output

VII. CONCLUSION

It is concluded that the application works well and satisfy the end users. The application is tested very well and errors are properly debugged. The application is simultaneously accessed from more than one system. Simultaneous login from more than one place is tested.

This system is user friendly so everyone can use easily. Proper documentation is provided. The end user can easily understand how the whole system is implemented by going through the documentation. The system is tested, implemented and the performance is found to be satisfactory. All necessary output is generated. Thus, the project is completed successfully.

Further enhancements can be made to the application, so that the application functions very attractive and useful manner than the present one. The speed of the transactions become more enough now.

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