

Exam Seat Allotment System using PHP and MySQL

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Abstract: *The Exam Seat Allotment System using PHP and MySQL is a web-based application project. This project is mainly developed for the schools and colleges, to simplify the manual work by automating the process of seating arrangement and allotment. Most of the time student faces problems finding their respective examination room and there will be so much chaos and clashes at the last minute, so with this system, all those conflicts can be avoided and it will be easier to manage the allotment by arranging each hall in a categorized way. [3] The scope of the project is the system on which the software is installed, i.e. the project is developed as a web-based application and it will work for any particular institute. The main purpose of this project is to help students facilitate access to their exam hall prior, computerize the traditional way of conducting exams, help staff generate the exam hall allotment numbers without much difficulty, and allocates particular invigilators for particular halls.[1] Also, the advantage of developing this software is to generate the report concerned to students automatically during exams at the end of the session. The programming language used to implement this system are HTML, CSS, and JavaScript for the frontend, PHP for the backend, and MySQL as the database. A full effort has been given into building this project. All the pros and cons are taken into account.*

Keywords: Web-based, categorized, Html, CSS, JavaScript, PHP, MySQL, computerize, automating.

I. INTRODUCTION

This project on “EXAM SEATALLOTMENT SYSTEM USING PHP AND MySQL ” is a web application that has been developed to help the department maintaining the student details, to simplify the manual work by automating the process of seating arrangement and allotment.[1]Presently the seating arrangement process is done manually which includes a lot of procedure to accumulate all the student details.This is very tedious work and there are more chances of an error to occur as it is done manually and mistake in one detail can lead to wrong generation of a page by automating the system the concerned departments will be able to improve the productivity, reduce the time, cost factors associated with the system. Hence, this application is more efficient, user friendly for retrieval and storing of data, interactive and therefore saves lot of time.

II. MODULES

This project keeps track of modules such as: Admin module, student module and teacher module.

- **Admin Module:** It enables the administrator to perform all administrative functions and manage the site and update the content at regular intervals, the major operations included in this module are: Adding Teacher and Student details, adding class, adding subjects, scheduling examination.
- **Teacher Module:** In this module, teachers will be allotted classrooms for invigilation. They can also view which examination is being conducted. And they can also update the attendance manually.
- **Student Module:** In this module, students can view subject, timings, seating arrangements like room name.

III. DATA FLOW DIAGRAM

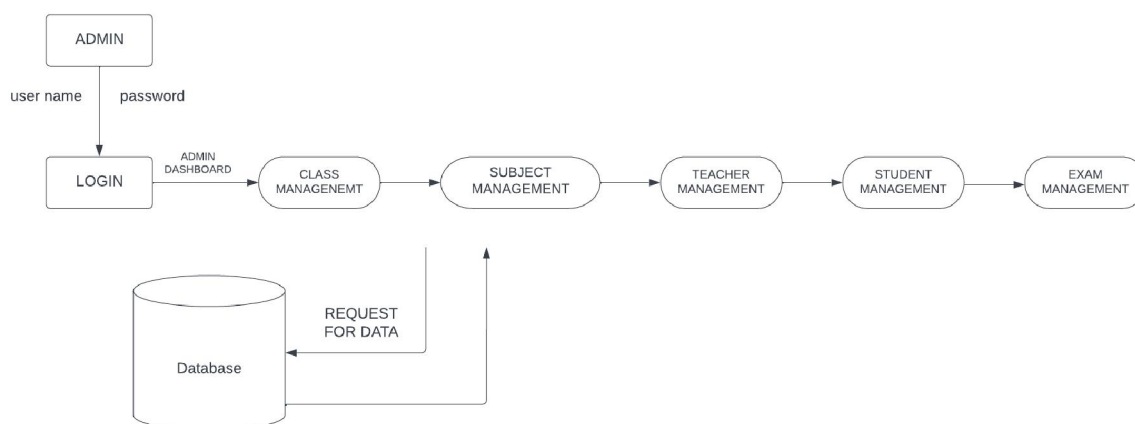


Figure: Data Flow Diagram Of Admin Module

IV. GOALS AND OBJECTIVES

The goal of the project is to design and implement exam hall management system software that helps in the maintenance of the student details, to simplify the manual work by automating the process of seating allotment.[2] Basically, it reduces manpower and manual paper works for maintaining the records offline.[1] This project will provide an efficient platform both for the teachers and students. The general objective is to automate the process of seating arrangement also this method is much faster, easier, hassle-free and convenient. Hence, it minimizes the limitation of the existing system also this saves a lot of time and data can be accessed easily.

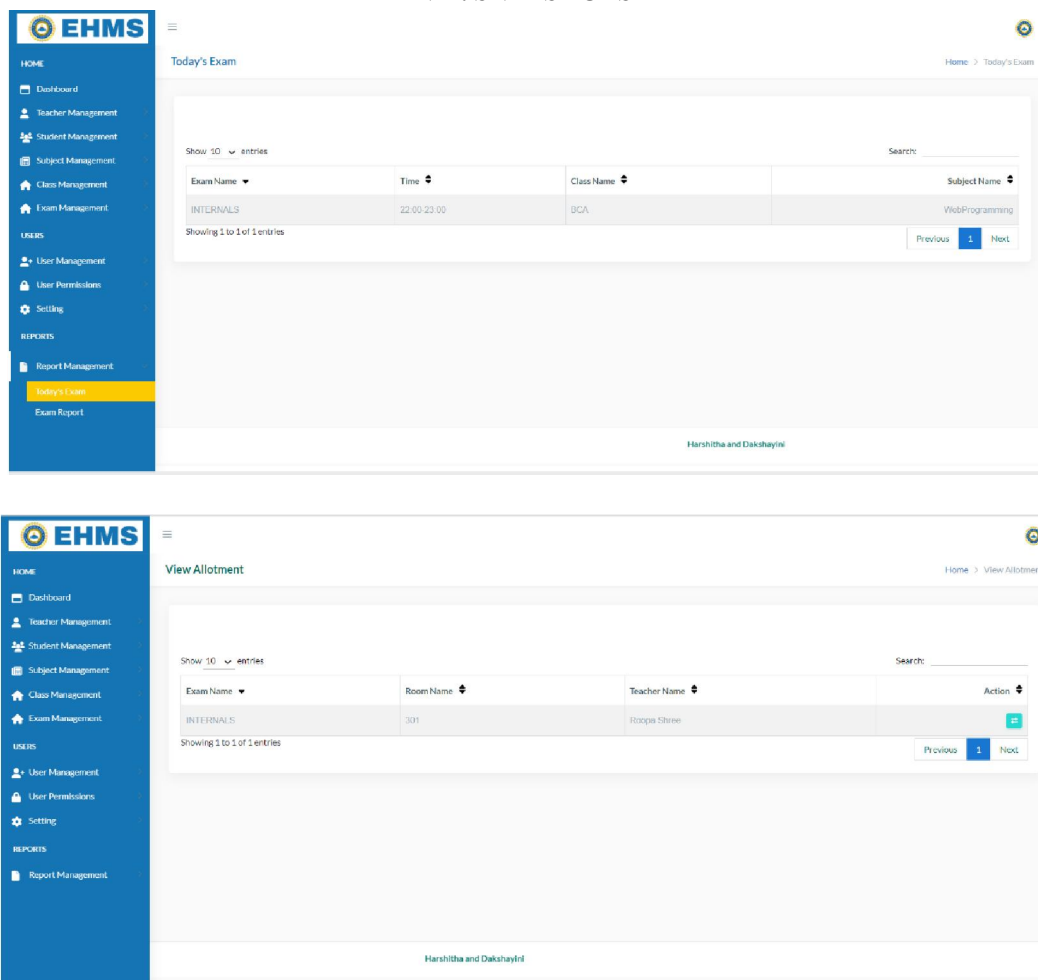
V. EXISTING AND PROPOSED SYSTEM

- **Existing System:** In the existing system problem lies in manual or documented system. It is quite difficult to properly allocate the seats among a large number of students whenever the students are from different subjects and classes.[3] It's a tedious work also it is more prone to errors, lack of security, requires more man power, time consuming, inefficient etc.
- **Proposed System:** The aim of the proposed system is to develop a system of improved facilities. It computes the performance of the system for minimum resources usage and it minimizes and overcomes all the limitation and problems of the existing system like security of data is maintained, requires less man power, much faster, easier, hassle-free and convenient.[2] It also allocates particular invigilators and students for respective rooms, so last minute chaos and clashes are avoided. It generates seating arrangement and concerned reports automatically during exams at the end of session. It ensures data accuracy and its user friendly for the retrieval and storing of data.

VI. CONCLUSION

This project has been developed to overcome the problems faced in the existing system. The developed system was found to work out the operations effectively. This project will provide an efficient platform both for teachers and students.[3] The intention of the system is to build a good software and to achieve all the objectives of the system. Basically, this method is much faster, easier, hassle-free, requires less manpower and convenient also it has been provided with many provisions for future enhancement to maintain the system in such a way that the future requirement of the user could also be satisfied and upgraded.

VII. SNAPSHOTS



Today's Exam

Home > Today's Exam

Show 10 entries

Exam Name	Time	Class Name	Subject Name
INTERVALS	22:00-23:00	BCA	WebProgramming

Showing 1 to 1 of 1 entries

Previous 1 Next

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View Allotment

Home > View Allotment

Show 10 entries

Exam Name	Room Name	Teacher Name	Action
INTERVALS	301	Roopa Shree	

Showing 1 to 1 of 1 entries

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