

HOSTEL MANAGEMENT SYSTEM PHP

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Abstract—"HOSTEL MANAGEMENT

SYSTEM" is a software development project that handles various hostel operations. And hostels and software are rarely used in context. This particular project is dealing with the problem of managing the hostel and avoiding the problems we have handled. In this program, we manage our student information, hostel details such as, room details, list of existing student records, expenses incurred, accounting, dirty menu, assists in room allocations and hostel visits. In this project students can easily find this by registering for the app. And the student can find a hostel according to their needs. And according to their ability to pay the project will provide a first impression of the hostel and the app's resources that will provide details about a particular hostel. Related to hostel resources and write in the comments section any problem they send to the hostel host and the hostel person will solve their own. Reducing the burden on the hostel and the student by dealing with the difficulty of finding a hostel. In this project the owner can manage the student data their financial details that who pays what is paid and how much to wait. The student can also view the original state of the hostel because we are reviewing hostel facilities as they are provided to students.

Students can choose hostel to book our seats and pay securely. Students can also check out other facilities such as the gym menu card dining area, transportation area, emergency hospital. And an important feature of our hostel is that they compare each hostel feature with the other hostel. Our main motto is to provide the best hostel for the student that feels at home.

Keywords

ID, Username, Location

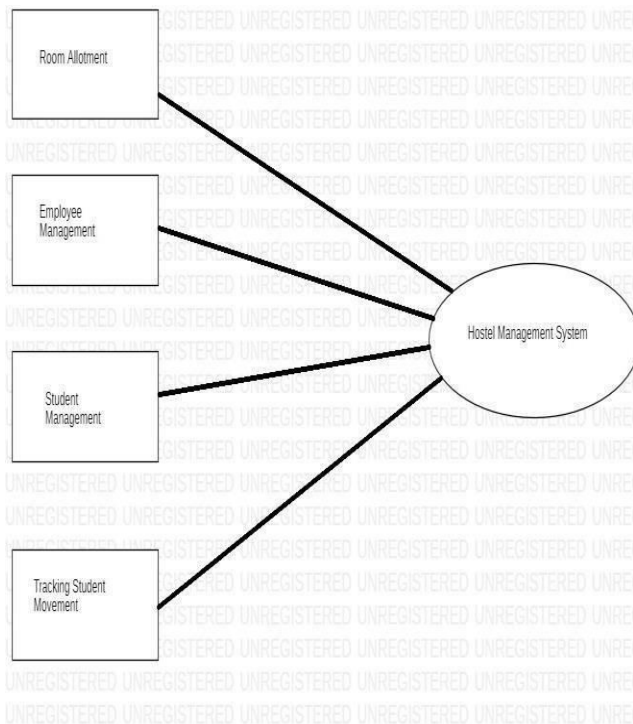
Introduction

The hostel management system is an online website built with the help of PHP backend and HTML frontend. It is used to manage a variety of complex information of any hostel online. and it can be said that automated computer-based programming will help reduce operational load and reduce the use of the paper-based system in use. it will be clear that there is a need for a computer system that works well with the growing organization. It also improves customer development without raising their operational risk. Hostel Management is a system for managing all hostel management. A key part of the improved system is to help staff and easily manage hostel information and provide assistance to the student in registering online and retrieving his/her information online. . The software assists the user in the event of Hostel Information, registration, room and Searching Hostel Account. The purpose of the Hostel Management System is to manage records and make the Software easy to use. It helps the administrator to manage

student records, Staff Records and much more. Due to the expansion of the educational institution the Hostel is also expanding with accommodation. Hostel Management System is an online program designed to manage various hostel operations. Address the problem in managing the hostel and avoid the problem that occurs when done manually. Designing and developing a hostel management system also maintains student records of their rooms, availability of funds and other items.

Creating student location information and managing them. Provide user convenience and also easy to manage their information in the app .Provide display and friendly system.

Every user can easily connect to the system.



Why we need to make the smart online hostelmanagement system?

In modern times the student can live in a friendly environment. And they needed all the basic necessities needed for a hostel. But we see that most hostels will not provide those services that they said at the time we were admitted. , and it is found that every single thing has to be done by hand. Currently, many hostels have decided to develop a computer program. It's all because of a problem like data corruption. Information is aboutstudent hostel information that is stored and stored securely and systematically. In the current system, data should be file but not stored in a database that leads to data duplication, data duplication, and separation of data from one location to another. It also worries that somethingfile, in which case all data will be lost. As we study the current state of the hostel they have a lot of data that they can handle manually for the director and manager

The hostel will use modern technology tomanage their data in a secure way.

The Manual has faced many difficulties such as tourists, tuition fees. student enrollment, student complains of Mess services (menu card) organization cannot succeed or compete in the current business world without computer programs that provide the necessary tools for business sustainability and efficiency. and it can be said that the automated computer program will help to reduce the load and reduce the use of the paper-based operating system. it will be clear that there is a need for a computer system that works well with the growing organization. It also improves customer development without raising their operational risk Hostel Management is a system for managing all hostel management. A key part of the improved system is to assist staff and easily manage hostel information and provide assistance to the student in registering online and retrieving his / her information online.

There are three types of languages that we have used in the hostel management system are:

HTML

HTML stands for hyper text markup language. It is commonly used for creating the web pages. It also contains many markup tags. We use the HTML to put our data in web pages.

JAVA SCRIPT
It is the language of client-side scripting. If we want to run some in the browser script, we then use JavaScript as a medium. It is the validations are also used on the webpage to apply such validations as verifying that an area is or is not blank. It is used for, as well, interacting with the user, such as entering a user's value. It is also used to access the properties of different elements To use JavaScript we have to write the code in head section of the within the script tag's HTML portion. We are able to navigate the Properties of different web page components by name or name

PHP

Hyper text pre-processor (or simply **PHP**) is a server-side scripting language designed for Web development, but also used as It was originally created by Rasmus Lerdorf in 1994, the PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive acronym *PHP Hypertext Preprocessor*.

PHP code may be embedded into HTML code, or it can be used in combination with various web template systems, web content management systems, and web frameworks. PHP code is usually processed by a PHP interpreter implemented as a module in the web server or as a Common Gateway

Interface (CGI) executable. The web server combines the results of the interpreted and executed PHP code, which may be any type of data, including images, with the generated web page.

PHP code may also be executed with a command-line interface (CLI) and can be used to implement stand alone graphical applications.

CSS

CSS stands for Style Sheet Cascading. It is used to alter the appearance of the webpage's text. CSS is a style that the language of the sheets used to characterize the presentation of a text written in an HTML-like markup format. Three forms of CSS exist:

In-line

- 1) External (Internal)
- 2) External (External)

Inside the HTML tag, inline uses the style attribute. We'll be able to on any HTML tag, use this type of CSS by simply using the style Form. Attribute If we want to apply the CSS on a smart section or on a smart element we prefer this form of CSS with a particular tag.

Internal is used by typing the CSS code into the interior of the In the style tag, the head section of the HTML tag. In order to access any . We can use some selectors like name, HTML tag in internal CSS,

RELATED WORK

In this project they are very few research paper were published but we introduce some smart management which is helpful for the hostel management and the student also like the face recognise attendance, smart sports facility, whose

student have any issue in the hostel they can tell directly to the hostel in charge, professional staff

.NEED OF THE PROJECT

All the People who wants to book, see the rooms,wants some of the details about hostel, its facilities and many more .The need to visit themselves. If there is some mistake while recording the information that will take long time to correct it. Sometime records may be destroyed.So this will the students as well as the hostel management.

1. Software Product Features Login InformationSystem Description

The system will maintain the login information ofits user to enter in to the software

Validating Checks

Administrator need to login the unique id andpassword.

Contact number should have maximum 10 digits.All the details must be fill up.

Email address should be in the proper format.Sequencing information

Login information should be filled before the user allowed to choose from the option such as Details, Facilities, Room Details, and Booking.Error Handling

If user doesn't filled up validate information then the system display error message for user and request to enter the validate information.

2. Student Information

Description

The System will maintain the student details such as Parents name, Contact number and department. Validity Check Student parent name and contact must be fill up. StudentDepartment should not be NULL.

Sequencing information

Student Information should be filled at the same time when theregistration information are been filled.

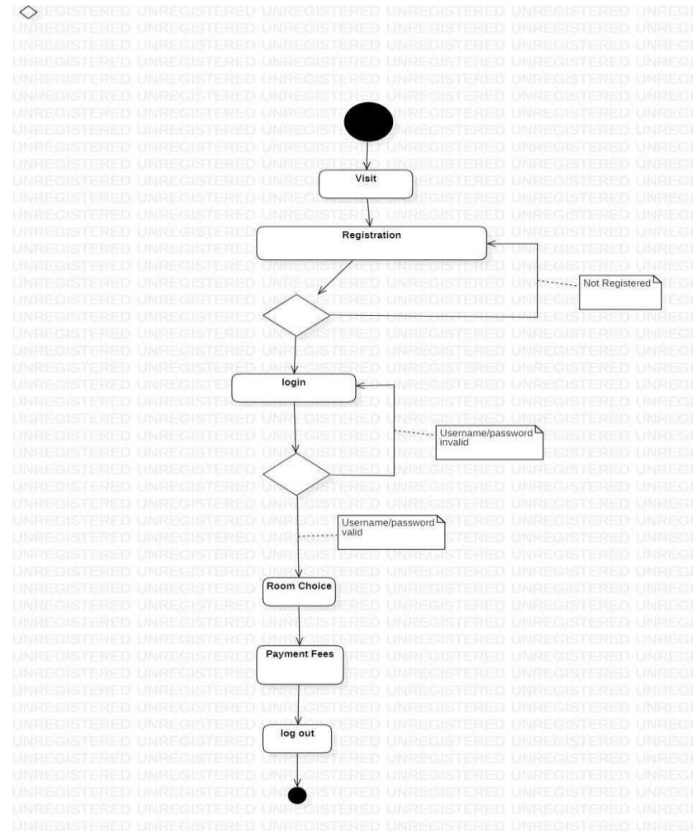
Error Handling

Validate information should be filled.

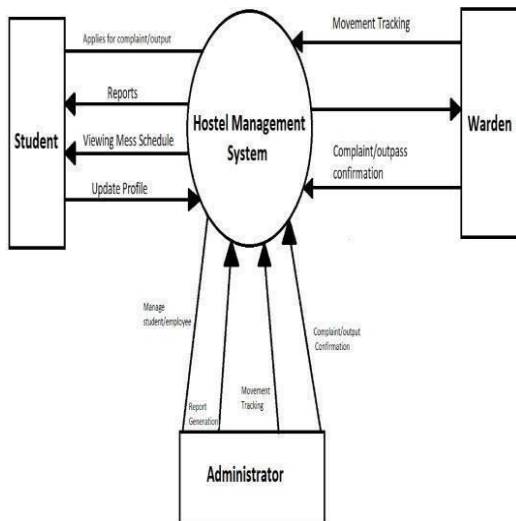
3. Data Design

Data Model: A database model is a type of data model that determines the logical structure of a database and fundamentallydetermines in which manner data can be stored, organized and manipulated.

ACTIVITY DIAGRAM OF STUDENT



ARCHITECTURAL DIAGRAM OF HOSTELMANAGEMENT SYSTEM



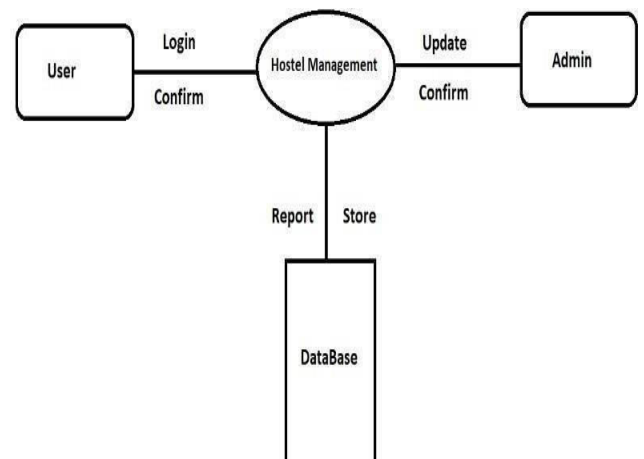
FEATURES OF MODERN HOSTEL SERVICES

1. In this module we added an option for Hostel student that was not added yet In any research paper. As we know that in ever Hostel sports room is mandatory and many time, you wants to play cricket but any other student taken the cricket kit from the sports room, and you don't know after how much time late they return they cricket kit ,by using this module you can book your game and set a time limit(for how much time you play that game) and pre booking and you can check the status that game is in stock or any other student having it.
2. As we know that in hostel there are many student are living and when you live in any place you have face many problem and issues that maybe big or small. But you don't know what to do. So, we create a module name Issue Box that help in which student write the problem or issue that facing by students. like, Many time seniors or bad student trouble their juniors. They can complaint in the issue box and may other problems you can write in they box.
3. In Hostel taking attendance everyday in night is compulsory because of safety purpose, every student safety is in hands of hostel authority. So,we create a module in which Warden mark attendance by using fingerprint machine that upload they attendance and Attendance is marked then it is shown to student in case student is not preset then one alert message is send to they Parents. That your child is not preset at the night attendance .This feature monitor student attend in hostel or not.

PROPOSED SYTEM

There are various features of the system which was reduce the burdon of hostel in charge and student follows:-

1. Less human error (means it will reduce the manual work so don't have any issue)
2. Strength and burdon of manual labor can be reduced.
3. High security in the hostel with smart sensors
4. Data redundancy will be avoided in some extent
5. Easy access to handle and fast and secure way
6. The data will be easily updated
7. Records will be store easily
8. Backup data will be easily generated



WORKING

After entering all the details the data will be sent to the database from the server to the customer machine online. If the administrator is left in any field empty or has installed any incorrect input such as email in a different format the error message will belong to them via the browser. And if all data is in the correct format the data will be stored on the data

server.

There is another feature to send again. In this feature an E-mail containing the username and password will be sent to the registrar the individual E-Mail id and then after successful registration in the hostel management database. One will deposit the fee in advance of Rs 5000 Rupees at the time of registration. and the person will receive an email in which they will log in to their account and gain access to the details and they can view or update their personal information. He can also change the password on his account. There is a feature to register an appeal as well. We can also register an appeal by clicking on the appeals section. And we can look at the fees paid and always pay the right amount he has to pay or not. When a manager registers a new person his or her entry will be done at the login table including username, password and hostel student ID.

The administrator wants to change the password for his account then he will easily change the password by going to the password change section and entering the old id and password and the new password will be automatically updated and set on the data server.

If anyone wants to leave their hostel then they cannot tell the manager and supervisor that they should immediately enter the student id and if all the fees are paid the student will be allowed to leave his hostel otherwise it indicates that the remaining amount will be shown.

ROOM ALLOCATION

This deals with allocation of room to students according to education details, section or course. Rooms will be allocated to students and an ID will be generated for it. It will display details students staying in the room or rooms. When a student leaves the room after the semester, the left date will be also saved.

1) Allocating rooms to the students :

The offices must check the details to the application form the students and verify from the database to match the application the students.

When the students are eligible they are allocated to the hostel.

RESULTS:

Anyone will open the website by entering the address of the website in the address bar of the browser.

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CONCLUSION

The purpose of this concept was to find out how the Hostel management system can be used in business. The thesis began with collecting information on the back of the Hostel Management System, their use and security issues within them. The purpose of the thesis was achieved by using the Hostel Management System software in the area to test and evaluate its performance, features and user interface. This concept provides details for anyone considering implementing a Hostel Management System in a business environment, such as what to consider, the challenges of doing so and the benefits that come with it. The Hostel Management System helps an Internet company to create more empathy for their customers, allowing them to address the needs of a single customer service provider. Many companies sell sophisticated products, such as PC components to the Internet, making it an excellent tool for their expert the field to helpless experienced customers, allowing the customer to get the help in choosing the right products for the customer. The Hostel Management System is also a great customer support tool, which

allows real-time support as a call center without much cost. The software tested in concept is very different from what it has to offer. While all software has basic functionality and a set of Hostel Management System features aimed at business use, the additional features are very different and the user interface for achieving the end result had very different approaches to the five software selected for comparison. It is important to consider what is required of the Hostel Management System when choosing one, and note the price differences in the various solutions. Finding a Hostel Management System software that meets the needs of the company while being as cheap as possible is not an easy task. Research on a topic can continue for example to take a headline approach from a business-to-business corporate perspective. There may also be research conducted on the prices of the Hostel Management System.

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