

A Research Paper on Database and Information System

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Abstract: *Online teacher environments that are useful for education typically include the use of learning management systems or virtual learning environments such as Moodle, Sakai, WebCT, and Blackboard. Online tutoring may also be available directly through the tutoring service's virtual learning environment or through a link in the learning management system. In most cases, the learner or his or her parents will have to purchase the tuition fee before transferring the service, but many institutions and major textbook publishers have one at no immediate cost to the learner. We sponsor a fixed tuition fee*

Keywords: PHP, HTML & CSS, MYSQL, XAMPP, JS

I. INTRODUCTION

The Ea Web Portal is mostly a dedicated website that constantly collects information from a variety of sources. Typically, each source of information gets a centralized section on frequently displayed information pages (portlets), and the user can specify which of them to display. Portal alternatives include mashups and intranet "dashboards" for executives and managers. The extent to which content is presented "uniformly" may depend on the target audience, and therefore the proposed provisions, and the variety of content. Often, the design values are in a particular "metaphor" for shaping and customizing the display of the library. In addition, the user's role in the organization can determine what content is frequently added to or removed from the portal configuration. The portal uses the query engine API to allow users to compare intranet and extranet content by limiting the domains that users can search. The portal suggests ways for companies and organizations to achieve a consistent look and feel with access controls and procedures targeting multiple applications and databases that are separate web entities with different URLs. Features are licensed and authenticated users (employees, members) or anonymous website visitors. Examples of major public web portals are AOL, Excite, Netvibes, iGoogle, MSN, Naver, Lycos, India Times, Rediff, Yahoo! was. For example, Yahoo! See My Yahoo! Page Features. This may have later promoted features such as Google's "iGoogle" (which was discontinued on November 1, 2013). For example, the configurable side panel of modern Opera browsers and the options on the Speed Dial page in most browsers provide accessibility, cost savings, difficulty reductions, or other previous "portal" metaphors. It continues to reflect. Benefits for a larger community.

II. EXISTING SYSTEM

As per our research, we didn't find any running system available in the Companies, Institutions, etc. This whole concept is very new and unique. The system will reduce the processing time of the whole resignation procedure, with a reduction in the paperwork also. As we are looking towards the Green Earth mission, this system will definitely be going to help. The System provides benefits for both students and teachers in their respective fields.

III. PROPOSED SYSTEM

We propose a system that is very unique and well built. For ease of usage, we deployed this whole system online which helps in accessing the accounts easily from anywhere and anytime. Apart from this, the system has a very easy and unique user interface designed basically on PHP. The employee can easily send the resignation request to the clearance department and within a few days, he/ she can get the report of his total dues and the remaining work that he/ she has to

complete before leaving the organization. The resignation seeker can easily cancel his/ her request. Basically, it provides an interface for the consumer using the system for teaching and learning.

IV. LITERATURE REVIEW

We propose a system that is very unique and the purpose of developing this system is to provide the flow of education and employment to the people. The system is helpful for people willing to give education in their individual fields and for students who have eager to learn. The system is a web portal that requires requirements of teachers and students such as registration and other details. Teachers can upload their field of teaching and students can search for fields of interest to study. This creates a balance between student and teacher, who prefers the old methodology of studying. The usage of this system c is done multiple times as it remains for multiple usages. The only things required for operating the system are having a web browser and internet connection. It provides ease for user to find their local tutor and contact them instead of searching door to door.

V. METHODOLOGY

The system is developed using certain tools like RSA, Notepad++, XAMPP Server, PHP & chrome browser. Firstly, the system designing is done by making the UML Diagrams on the IBM tool RSA, this tool provides the facility to develop. The Use Case Diagram, Class Diagram, Sequence Diagram, etc. in very short duration with great ease. The whole system is developed part of the paper is done on the Notepad++. The Front end of the system is designed using HTML and CSS and the available Bootstrap. As we talk about the back end of the system the whole database is made on the MYSQL platform with the available set of queries and for emerging the database the tool name PHP My Admin is used which comes with Xampp Server,

Data & Result

The basic premise of this white paper is the data that is collected and stored on the database server, which is stored on the MYSQL and XAMPP servers. Data is collected in relational and flat file databases. A table is a set of data items (values) using a vertical column (identifiable by name) and a horizontal model. A cell is a unit at the intersection. Rows and columns. The table has a certain number of columns, but it can contain any number of rows. Each row is identified by one or more values displayed in the column subset. The exact set of columns that uniquely identify a row is called a primary key. "Table" is an alternative term for "relationship". The difference, however, is that tables are usually multi-sets (bags) of rows, relationships are sets, and duplication is not allowed. In addition to the actual row of data, the table typically has some metadata associated with it, such as: B. Constraints on table or column values. The data in the Suspicious-Discussion table does not necessarily have to be stored in the database. Views also act as relational tables, but their data is identified during the query.

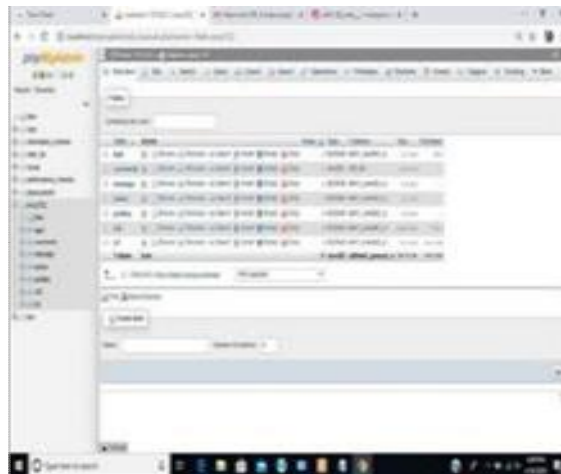


Figure 1. Main Database of Online Tutor Finder in XAMPP Server

Therefore, this paper will be very useful in the future. This web portal provides both students and teachers with an easy way to find all 3Singh A et al nearby, so this document makes it easy to find teacher admins. J.Adv. Solution information. technology. system management



Figure 2. Main System of Online Tutor Finder in web Portal

The above given figure display about the main page of the system which is a web portal for online TutorFinder.

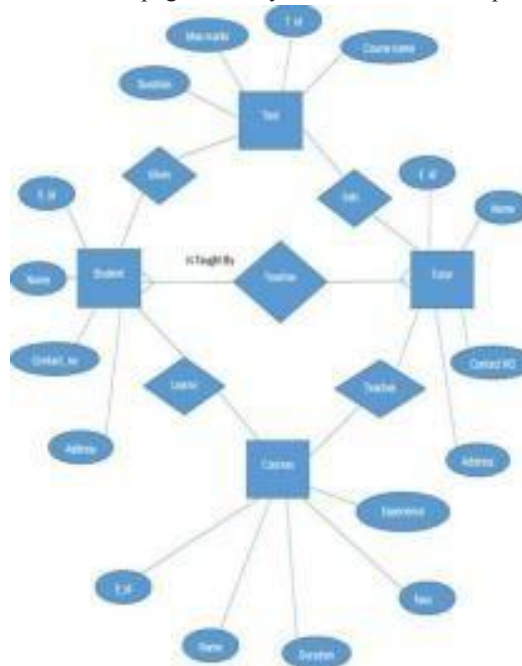


Figure 3. E R Relation Diagram of OFT

VI. DISCUSSION

Coming on the discussing the numerous characteristics of papers related to its, hardware and software requirements, testing, drawbacks, etc. As we know the working of the paper, we can discuss the few aspects as well

Hardware Requirements

INTEL or AMD based computer or MAC OS X Leopard 10.5.8

RAM: 2GB
Hard Disk: 500 GB
Processor: Intel Core i3 or above

Software Requirements

Operating System: Windows 10
Front Design: HTML & CSS
Front-End-Language: HTML & CSS
Back-End-Language: PHP, MYSQL, XAMPP, JS

Testing Functional Testing

Internal Links

All internal links of the website were checked by clicking each link individually and providing the appropriate input to reach the other links within.

External Links

Till now no external links are provided on our website but for future enhancement, we will provide the links to the candidate's actual profile available online and link up with the election's updates online, etc.

Mail Links

No mail links are provided on our website till this stage but this is also a future enhancement of our website to trigger emails to people for keeping them updated about the online registration dates, the polling dates, and other details.

Broken Links

Broken links are those links that do not divert the page to a specified page or any page at all. By testing the links on our website there was no link found on clicking which we did not find any page

Performance Testing

Performance testing is very valuable to comprehend the website's scalability or to level the performance in the environment of third-party products such as servers and middleware for possible purchase. This can only be done once it is put into usage on the actual internet server and tried by the users.

Drawbacks

In studying and operating on the system, no major drawback has been found yet, but for our users, some difficulties may occur such as it must have a proper internet connection & web browser to operate the system. For the info, this system provides searching for tutors not for providing online classes.

VII. FUTURE SCOPE

PHP is the best option as per the latest survey and holds a 40% market share in the worldwide internet market with more than a thousand websites around the globe. So, it is the best platform available today for development.



Figure 4. Chat System for OFT

It is getting more and more advanced, and the weak computation power and the limited cache in mobile are still existed compared to computers. It is majorly used for the purpose of web development and scripting work to get relevant

results. As this paper provides services that are very necessary, we hope that this paper has a wide future scope. As we are soon starting registration because of the hustle in coaching and funders. I hope that every tutor and student will use it.

Implementation

The system allows the tutors to complete the resignation procedure by sending the system-generated resignation letter. So, to complete the procedure the tutor has to complete the registration procedure asked at the beginning by the admin. The papers' main objective is to provide a two-way portal for all the users who want to search for their nearby students and teachers efficiently. In big cities, it is hard to get to coaching which is located very far from your residence so it is better to find a good teacher in the nearby area but still getting a good teacher is by searching door to door it's a hard job. So, this paper will help those who are skilled and want to teach something to others and are always hungry to learn.

The first tier displays the client which is the student and teacher, they have a clear interface (Front-End) to operate the system or in other terms, it can be said as they can access the client-side. Whereas on the second tier it provides application and business components to the user, simply it provides service to the user. On the last we have the third tier either known as (the Back-End) or the server-side which contains the data of the system all across, the server-side contains database and is accessible through the client-side only. Thus, these are the implementation of the system

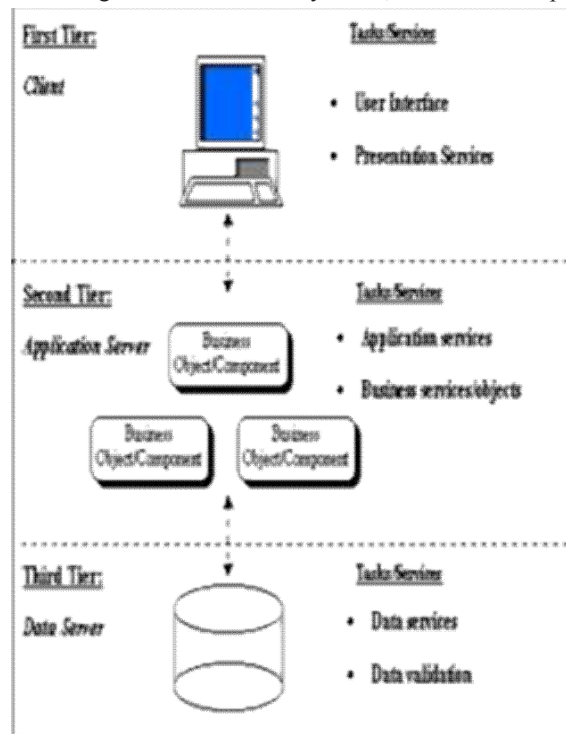


Figure 5. Implementation Diagram of OFT

VIII. CONCLUSION

In the world were thus, this paper is going to prove very useful in the upcoming time. This paper will ease the work of finding teacher administrators as this web portal will offer an easy way for both students and teachers to perform all the nearby searches and various lookups.

This application provides all the minute information about the teachers who are present in the nearby area with their profile and phone number same is applicable to students has been often observed that due to lack of resources, the students are not able to harness the benefits of education. Here is an attempt to full fill this objective with an approach to sharing and helping each other thus this paper is going to prove very useful in the upcoming time.

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