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Web Portal with Notes Sharing: A Perspective View

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Abstract: Notes sharing web portal is a web-based note sharing and management system which helps students and teachers to share their notes online effectively. It reduces the wasting of time in manually distributing notes to each individual. It greatly overcomes the lack of availability and converts the manual old school paperwork to a fully automated and managed online system. College Notes Gallery allows its users to securely register and log in to their individual accounts and create, read, update, and delete notes according to their needs. It provides notes to everyone in a very secure manner. Multiple users can work in this system at the same time under centralized supervision by the administrator. It is a very useful note management system for Colleges, Schools, and other Institutes to manage and share their notes in a secure, efficient, and effective manner. Currently the unavailability of proper internet in every place therefore this system is not useful for users who do not have the availability of internet and smartphone. Students can share their notes/materials (both handwritten and in document - PPT, PDF, DOC, etc. format. The platform is planned to be a LEARN SHARE EDUCATE. The objectives of the system are to reduce manual paperwork. Reduced sharing and distribution time, increased reliability, increased operational efficiency, and Data Security, This Notes Management System can be readily used by non-programming personnel avoiding the human-handled chance of error. This project is used by three types of users students, teachers, and administrators Students and Teachers can create their accounts and start viewing notes shared by other users as well as upload their own notes. An administrator is must be an authorized user who will keep track of all the uploaded notes and manage users as well through the admin panel. This platform aims to increase the effectiveness and conceptual clarity of students.

1. INTRODUCTION

Notes sharing web portal is a combination of two modules (Admin, public) Notes sharing system integrates various functions such as uploading files, in the format like PDF, DOC, PPT, etc. it is one of the most important features for the teachers too. Through this platform, teachers can play their parts by uploading their notes documents, and every informative material for the student. This is quite a sorted platform as it does not involve lots of searching and sorting. As this website has a variant feature of searching the particular materials or notes according to their branch specification Teachers can also track their record of how much material they have shared and the same goes with the students too. This platform is quite a secure one as in this the admin plays an important role in approving each and every file. Until and unless there is no approval there is no visibility of any notes. Now, when you open Notes up on any of your devices, you will see all of your notes synced to each account. Anything you make on one device will sync to that specific account on all the other devices you're signed into and have Notes enabled on. Editing, deleting, moving, etc. on one device will affect it on all others. When you open the Notes app now, you should see all accounts you have enabled appear, each with their own folders

2. PROBLEM DEFINITION

It is difficult for teachers to circulate their notes to each and every student who he/ teaches. Notes sharing web portal provide an easy approach for both students and teachers to circulate the notes whether of any kind like lecture notes, Unit wise descriptions and all the important documents. The teachers and students can upload the documents from anywhere and students can download it. Overall, it is managed by the admin. The lecture format though is subject to many variables, e.g., the knowledge, structured delivery, and presentation skills of the lecturer, the actual content to be delivered, the size, shape, and acoustics of the venue, and the facilities available to aid in content delivery, the level of student interaction encouraged, and the number of other students attending and their motivation for being

there. In today's scenario there is a need for such platforms that Empower teaching and learning from anywhere, on any device, and give your class more flexibility and mobility. You can use note sharing web portal in your school and College to streamline assignments, boost collaboration, and faster communication.

3. OBJECTIVES

The objectives of the system are: -

- To reduce manual paperwork.
- Reduced sharing and distribution time.
- Increased reliability.
- Increased operational efficiency.
- Data security.

This Notes Management System can be readily used by non-programming personnel avoiding the human-handled chance of error. This project is used by Three types of users: -

- Students.
- Teachers
- Administrators

Students and Teachers can create their accounts and start viewing notes shared by other users as well as upload their own notes. The administrator must be an authorized user who will keep track of all the uploaded notes and manage users as well through the admin panel. New features can be added to the system as per requirements.

4. LITERATURE SURVEY

This website basically aims at sharing notes which can be uploaded on the domain through students and teachers, so the students can download and learn. But if the student does not attend the lecture the notes can't clear the doubts if the student or the user has any which in turn creates the communication gap between professor and student. All the above-mentioned systems are either not able to implement the idea or create a communication gap. In the proposed project web-based study materials and notes management systems are designed to overcome such errors or implement the idea to its extreme.

Problems with reading and studying Researchers have found that instructor-provided notes improved student performance but were criticized for a lack of ecological validity in the research designs. This study improved on past research by using instructor-provided notes in a required class throughout an entire semester. Previous findings were not supported in the final grades. Students evidenced poor reading, studying, and attendance behaviors in all 3 conditions.

5. TECHNOLOGY

A. Front End

• JavaScript

JavaScript s a high-level, interpreted scripting language that conforms to the ECMA Script specification. JavaScript has curly-bracket syntax, dynamic typing, prototype-based object orientation, and first-class functions. Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it, and major web browsers have a dedicated JavaScript engine to execute it, and a multi-paradigm language, JavaScript supports event-driven, functional, and imperative (including object-oriented and prototype-based) programming styles. It has APIs for working with text, arrays, dates, regular expressions, and the DOM, but the language itself does not include any I/O, such as networking, storage, or graphics facilities. It relies upon the host environment in which it is embedded to provide these features. Initially only implemented client-side in web browsers, JavaScript engines are now embedded in many other types of host software, including server-side in web servers and databases, and in non-web programs such as word processors and PDF software, and in runtime environments that make JavaScript available for writing mobile and desktop applications, including desktop widgets. The terms Vanilla JavaScript and Vanilla JS refer to JavaScript not extended by any frameworks or additional libraries. Scripts written in Vanilla JS are plain JavaScript code. Google's Chrome extensions, Opera's extensions, Apple's Safari 5 extensions, Apple's Dashboard Widgets, Microsoft's Gadgets, Yahoo! Widgets, Google Desktop Gadgets, and Serene Kilolo are implemented using JavaScript.

• CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML.CSS is a cornerstone technology of the World

Wide Web, alongside HTML and JavaScript.CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .CSS file, and reduce complexity and repetition in the structural content.

CSS information can be provided from various sources. These sources can be the web browser, the user and the author. The information from the author can be further classified into inline, media type, importance, selector specificity, rule order, inheritance and property definition. CSS style information can be in a separate document or it can be embedded into an HTML document. Multiple style sheets can be imported. Different styles can be applied depending on the output device being used; for example, the screen version can be quite different from the printed version, so that authors can tailor the presentation appropriately for each medium. The style sheet with the highest priority controls the content display.

Declarations not set in the highest priority source are passed on to a source of lower priority, such as the user agent style. The process is called cascading. One of the goals of CSS is to allow users greater control over presentation. Someone who finds red italic headings difficult to read may apply a different style sheet. Depending on the browser and the web site, a user may choose from various style sheets provided by the designers, or may remove all added styles and view the site using the browser's default styling, or may override just the red italic heading style without altering other attributes.

Back End

• PHP

PHP is a server-side scripting language that is used to develop Static websites or Dynamic websites or Web applications. PHP stands for Hypertext Pre-processor, that earlier stood for Personal Home Pages. PHP scripts can only be interpreted on a server that has PHP installed. The client computers accessing the PHP scripts require a web browser only. A PHP file contains PHP tags and ends with the extension ".php".

The term PHP is an acronym for PHP: Hypertext Pre-processor. PHP is a server-side scripting language designed specifically for web development. PHP can be easily embedded in HTML files and HTML codes can also be written in a PHP file. The thing that differentiates PHP with client-side language like HTML is, PHP codes are executed on the server whereas HTML codes are directly rendered on the browser.

PHP: Hypertext Pre-processor (or simply PHP) is a general-purpose programming language originally designed for web development. It was originally created by Rasmus Leadoff in 1994.PHP code may be executed with a command line interface (CLI), embedded into HTML code, or 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 a web server or as a Common Gateway Interface (CGI) executable. The web server outputs the results of the interpreted and executed PHP code, which may be any type of data, such as generated HTML code or binary image data. PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications and robotic drone control.

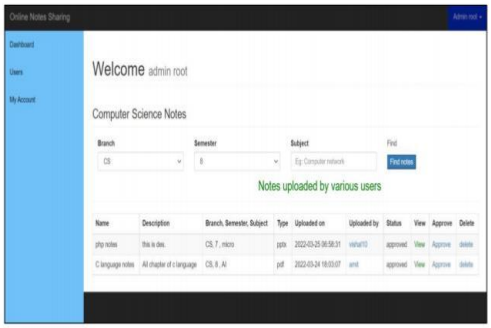
• MySQL

MySQL is an open-source relational database management system (RDBMS) based on Structured Query Language (SQL). It is one part of the very popular LAMP platform consisting of Linux, Apache, My SQL, and PHP. Currently My SQL is owned by Oracle. My SQL database is available on most important OS platforms. It runs on BSD Unix, Linux, Windows, or Mac OS. Wikipedia and YouTube use My SQL. These sites manage millions of queries each day. My SQL comes in two versions: My SQL server system and My SQL embedded system.

6. RESULT DISCUSSION

Our approach is to handle all the notes of the particular subject with respect to their branches. The main purpose of the project is to integrate notes of the subjects in a consistent manner so that students get help in exam times from it to maintain all notes in one place rather than maintaining copies or using

books. The result aims at the following - Get notes of any subject in a few seconds. Can be used by students and faculties of the college. A. Benefits of the Proposed System The current system had a lot of challenges that are overcome by this application: The scope of the project includes the following: - Institutions can use this system to maintain notes in one place. All students and faculty can upload their notes or presentations using this system. Students can solve their doubts with the help of other students and faculty.



(Dashboard)

(Admin Panel)

7. CONCLUSION

A low attendance rate and student disengagement in lectures are common problems in most universities. Complimentary to existing approaches to incorporate more vertical interaction between the lecturer and students by taking advantage of special electronic devices, our approach lets a student be kept self-engaged by allowing them to voluntarily participate in horizontal interaction. This approach attempts to apply a student cantered collaborative learning environment through a real-time collaborative note sharing website. Through our web system, students will find an easy way to get notes of any subject of their respective branches. This project builds an android application that provides all necessary notes branch-wise and unit-wise to the students. It is also helpful for faculties to upload notes and presentation of their respective subjects. Few drawbacks that have been found out are - 1) Internet is required. 2) Can only be used though Android Smartphones. 3) Initially, notes may not meet student's needs or maybe they didn't get notes of a particular topic which they want. 4) A person can only upload their notes pdf of a fixed size.

REFERENCES

[1] Bauer, A., Koedinger, K.R. (2007). Selection-based note-taking applications. Human-Computer Interaction Institute.
[2] Mueller, P.A., Oppenheimer, D.M. (2004). The pen is mightier than the keyboard: Advantages of longhand over laptop note-taking. Psychological Sciences, 25(6), 1159–1168.
[3] Herbert, W. (2014). Ink on paper: Some notes on note-taking*. Association for psychological science.
[4] Andres, L., Zentern, A., Zentner, J. (2014). Measuring the effect of internet adoption on paper consumption. Policy Research Working Paper.
[5] Molla, R. (2014). Remember pens and pencils? They're doing just fine. The Wall Street Journal.