Distributed Private Data Search Engine on Cloud Platform for Colleges

Vijayanand. S[1] Priya. M[2] Gayathri. M[3] Manikandan. R[4]
[1]Head of Dept. [2,3,4]BE Student
[1,2,3,4]Department of Computer Science & Engineering
[1,2,3,4]The Kavery Engineering College India

Abstract— The ”private search engine” is basically designed to resolve various problems that arise while getting information related to the college academic and other activities. Web searchers are increasingly becoming essential activities because they are often the most effective and convenient way of finding information. However, a web search can be a threat to the privacy of users because their queries may reveal sensitive information .Private web search (PWS) solutions allow users to find information on the internet while preserving their privacy. Going to the search engine and searching for the required notice is a time consuming job. So this software basically create awareness among the current activities, a great amount of work load for notice in chargers will be replaced.

Key words: Private Web Search (PWS), Cloud FTP

I. INTRODUCTION

A private web search (PWS) prevents web search service providers (e.g., Google, Yahoo) from building user profiles while still allowing users to enjoy the search functionality when performing web searches. Search engine mainly depicts the current activities and necessary information to be conveyed to the required faculties and students. Most of the faculties and students remain unaware about seminars, training and placement information, sports activities, upcoming events, result and other necessary details. To realize the proposed private search engine on cloud platform, those who want to publish important information, which would be use to the students, teaching community and all those who are involved in educational sector can upload through this software in assurance with the ins charged faculty. Creating a cloud platform to automate the display of search engine, would be more flexible than the earlier system.

II. EXISTING SYSTEM

Private search engine admin can send the notification to the particular students regarding fee payments, results, any new activity happen in college in campus or college fest participation, libraries dues, hostel room payments, any workshop registration, warning and remainders etc. when the user sends notice via cloud FTP simultaneously that message will get display on the search engine and also other user get auto notification on their own pc’s.

III. WORKING

A. System Features

1) File Sharing

a) Description

This will allow primary users to share files. These files may range from simple text or image notices to files of other formats. The pre-loaded notices and files could be accessed without an internet connection.

b) Stimulus/Response Sequences

Files can be downloaded by clicking a single download button which triggers the download event. Any file to be uploaded can be browsed and then uploaded using another button event.

2) Push Messaging

a) Description and Priority

The system shall notify the primary users with recent notices and events with an automated message in their mobile phones or computers.

b) Stimulus/Response Sequences:

A change in the value in the database , caused by a user uploading a notice from his client side, will trigger an event which in turns triggers the push messaging event across all users who are set to receive push message for that particular notice and /or uploading user in question.

3) Database and UI Auto-Update

a) Description and Priority

The system shall auto update its database. Recently posted notices and events as well as prioritized files shall be focused while outdated notices and files shall be cleaned up to make memory space available for new post.

b) Stimulus/Response Sequences

Any notice uploaded by any of the users triggers an event to append it to the database and update the UI accordingly across all the clients with users of the same class.

IV. PROPOSED SYSTEM

1) Step 1: Admin will login by giving his/her user name and password.
2) Step 2: Only the admin has the privilege to add and modify the departments and categories.
3) Step 3: User need to register by giving details such as: login name, system address, and password, confirm password, department and categories.
4) Step 4: As soon as the registration is done, a notification is send to the respective user name and passwords.
5) Step 5: User need to subscribe by selecting the interested categories and departments.
6) Step 6: Admin as the authority to insert, update and delete the notices.
7) Step 7: Once the notices is uploaded by the admin, register users will receive the notification.
8) Step 8: In order to view the detailed description of the notice user need to see on search engine.

A. System Modeling

1) Block Diagram Representation

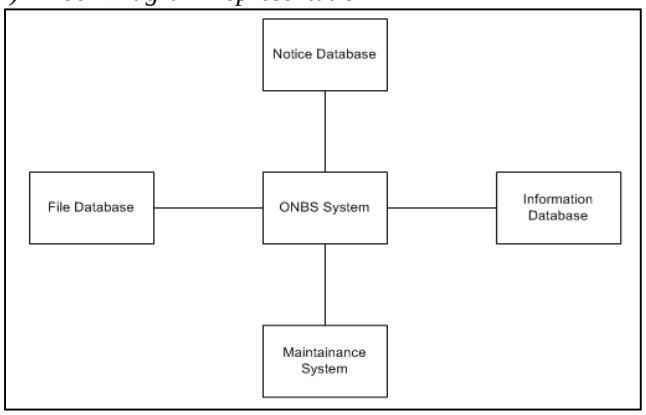


Fig. 1: Block Diagram Representation

B. External Interface Requirements

1) User Interfaces

The system will start with a login page to identify the user level and the features will be available accordingly. The application will have easily accessible buttons for all major activities of the software. Key features and recent events will be highlighted to attract user attention.

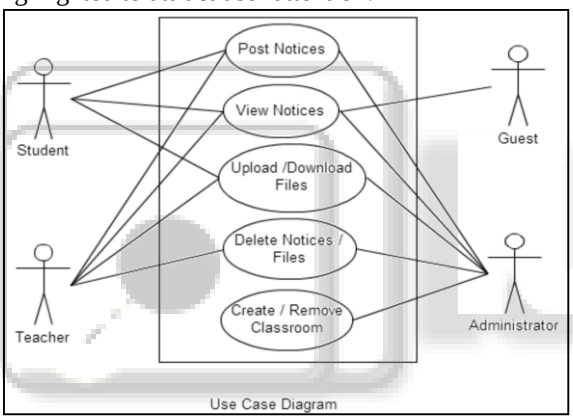
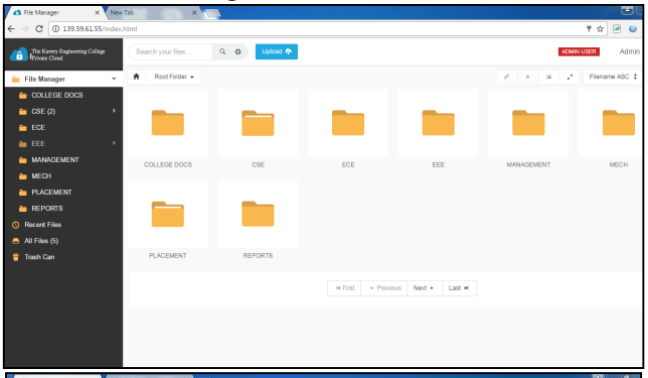
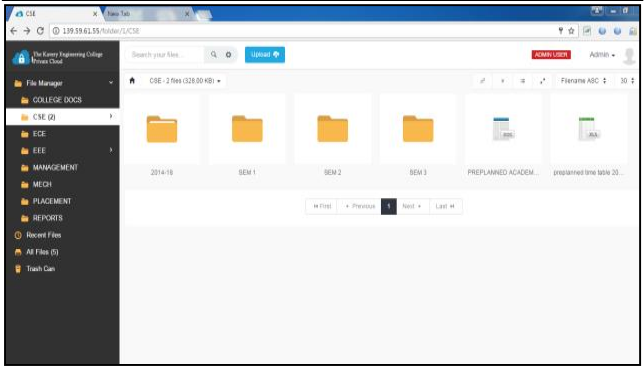
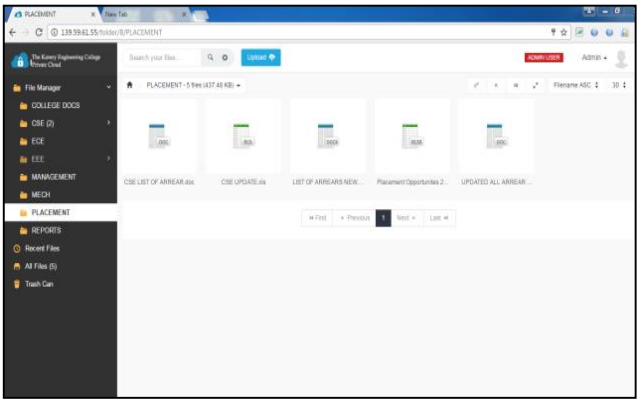


Fig. 2: User Interfaces







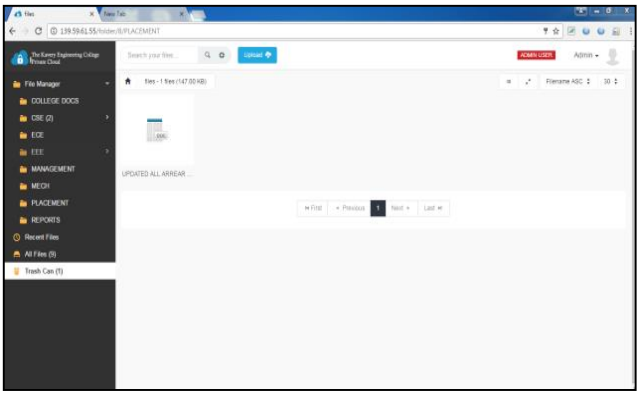


Fig. 3: Screen shots

2) Hardware Interfaces

The system will interact with the hardware resources of the system on which it is running .While any system will support the core software ,a device with push messaging facility is recommended for any operating system.

3) Software Interfaces:

Any operating system will support this software apps. It will have the most interactions with an external database server. It may also be integrated with other systems like employee management system and/or student management system.

4) Communication Interfaces:

An active internet connection will be required for the functioning of the software. In case of the mobile apps, and interconnection will then allow the software to connect to the online data base. The system will use the File Transfer Protocol (FTP) to transmit data.

C. Advantages in Proposed System

- To reduce paper work.
- To reduce complexity error.
- Maintain security.
- Avoid redundancy.
- Giving accurate information.
- User friendly.
- Automatic updating, searching of records are made possible.

D. System Requirements

1) Hardware and Software Requirements

- Front End: HTML,CSS, Bootstrap
- Middle End: PHP
- Back End: My SQL

V. CONCLUSION

This provides an efficient way of displaying messages on search engine. It also provides user to easily receive the important information .Software current information will be displayed in a short time. Changes can be done easily (also older notices can be preserved for future references).

REFERENCES

[1] Anonymizer(2014).Anonymizer. http://www.anonymizer.com
[2] Balsa, E., Troncoso , C., and Diaz, C. (2012). OB-PWS: Obfuscation-based private web search. In IEEE Symposium on security and privacy, pages 491-505.
[3] GSM based e-notice board: Wireless Communication International journal of soft computing and engineering (IJSCE) . ISSN: 2231-2301,vol-2 , issue-3,july 2012.
[4] Scroogle (2014). Scroogle , http://scroogle.org.
[5] TracMeNot 2014. TracMeNot, http://mrl.nyu.edu/dhowe/trackmenot.
[6] Kim,M. And Kim, j. (2012). Private –Preserving web search. In ICUFN, pages 480-481.
[7] SYBASE.COM. www.sybase.com/products/database-servers/sybaseiq. product page.
[8] COMER,D.Ubiquitious B-tree. Computing Surveys 11, 2 (june 1979),121-137.
[9] Rebollo-Monedero, D. and Forne , J. (2010). Optimized query forgery for private information retrieval .IEEE Transaction on Information Theory, 56(9):4631-4642.
[10] InterMezzo.http://www.inter-mezzo.org, 2003.
[11] Lustre. http://www.lustreorg, 2003.
[12] K.X.COM.kx.com/products/database.php.product page.
[13] LAMPORT,L. The part time parliament .ACM TOCS 16,2(1998), 133-169.
[14] ORACLE.COM. www.oracle.com/technology/products/-database/clustering/index.html.product page.
[15] GREER,R. Daytona and the fourth-generation language Cymbal. In Proc. Of SIGMOD(1999),PP.525-526.

