GUJARAT TECHNOLOGICAL UNIVERSITY

(GTU)

INNOVATION COUNCIL (GIC)

Patent Search & Analysis Report

(PSAR)

Date of Submission : 25/09/2016

Dear **Patel Miloni,**

Studied Patent Number for generation of PSAR	:	**16BE7_130020107065_5**

PART 1: PATENT SEARCH DATABASE USED

1. Patent Search Database used	:	Google Patents
Web link of database	:	https://patents.google.com/
2. Keywords Used for Search	:	website,college,easy management
3. Search String Used	:	creating website for college and making easy management
4. Number of Results/Hits getting	:	1365

PART 2: BASIC DATA OF PATENTED INVENTION /BIBLIOGRAPHIC DATA

5. Category/ Field of Invention	:	Computer/IT Engineering
6. Invention is Related to/Class of Invention	:	Web deployed e-learning knowledge management system
6 (a) : IPC class of the studied patent	:	G09B7/00,G09B5/00
7. Title of Invention	:	Web deployed e-learning knowledge management system
8. Patent No.	:	US20060134593A1
9. Application Number	:	US11314444
9 (a) : Web link of the studied patent	:	https://patents.google.com/patent/US20060134593A1/en?q=website&q=college&q=easy&q=management
10. Date of Filing/Application (DD/MM/YYYY)	:	21/12/2004
11. Priority Date (DD/MM/YYYY)	:	21/12/2004
12. Publication/Journal Number	:	7/00 20130101,5/00 20130101
13. Publication Date (DD/MM/YYYY)	:	22/06/2006
14. First Filled Country : Albania	:	Albania

15. Also Published as

Sr.No	Country Where Filled	Application No./Patent No.
1	Albania	11/314444

16. Inventor/s Details.

Sr.No	Name of Inventor	Address/City/Country of Inventor
1	Kalous Kerry S	Algonquin, IL
2	Heyman Alfred	Nashville, TN

17. Applicant/Assignee Details.

Sr.No	Name of Applicant/Assignee	Address/City/Country of Applicant
1	Resource Bridge Toolbox LLC	2 North LaSalle Suite 1300 CHICAGO IL 60602 US

18. Applicant for Patent is : College

PART 3: TECHNICAL PART OF PATENTED INVENTION

19. Limitation of Prior Technology / Art

A web deployed e-learning knowledge management system for remote learning users and remote management controls is disclosed, comprising, in the preferred embodiment: (a) a login system for authenticating users and permitting access to the proper portal; (b) a learner portal for allowing remote learners to access e-learning content; (c) a builder portal for allowing course developers to create and deploy e-learning content; (d) a manager portal for managing learners, course developers and their access to the learner and builder portals, and for preparing relevant reports (such as learner progress reports); (e) a super-administrator portal for establishing and managing access to the system and for preparing administrative system-related reports; and, (f) a database for storing data used by the four preceding portals and the login system. The present invention provides a comprehensive system that enables remote learning over a computer network.

20. Specific Problem Solved / Objective of Invention

This application claims the benefit of U.S. provisional patent application Ser. No. 60/638,019, titled “Web Deployed Learning Management System,” filed on Dec. 21, 2004, the contents of which are incorporated herein by reference.
STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT
[0002]
Not applicable.
THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT
[0003]
Not applicable.
REFERENCE TO A “SEQUENCE LISTING,” A TABLE, OR A COMPUTER PROGRAM LISTING APPENDIX
[0004]
Not applicable.

21. Brief about Invention

As shown in FIG. 1, the web deployed e-learning knowledge management system of the present invention consists of six primary components in the preferred embodiment: a login system 1 for authenticating users and permitting access to the proper portal; a super-administrator portal 2 for managing customer access to the system and for preparing administrative system-related reports; a builder portal 4 for allowing course developers to create and deploy e-learning content; a learner portal 5 for allowing remote learners to access e-learning content; a manager portal 3 for managing groups, courses, learners, course developers and university information, managing access to the learner and builder portals, and for preparing relevant reports (such as learner progress reports); and, a database 6 for storing data used by the four preceding portals and the login system. FIG. 1 shows the general operational relationship of the six primary components. A more detailed description of the design and operation of each component are presented below.
[0070]
In the preferred embodiment of the web deployed e-learning knowledge management system of the present invention, the four portals and the login system reside (or are “hosted”) on a web server computer, and the database resides on a database server computer. The web server and database server computers are of the type that are well known to those skilled in the art, and generally consist of a processor, storage means,

input and output means, and a means to network the computers with each other and with other computers for communications purposes. The web server and database server computers communicate using traditional networking hardware, software, and protocols. In the preferred embodiment, the login system and the four portals use Structured Query Language (“SQL”) to communicate with the database hosted on the database server and to retrieve and update data from the database as needed.

[0071]

In the preferred embodiment, the login system and each of the four portals are written in Microsoft ASP (“active server page”) code, and are designed to operate from Microsoft Internet Information Server, running on a Microsoft Windows 2000 Server (or newer) operating system. This software platform is well known to those skilled in the art. Microsoft ASP code creates output in hypertext markup language (or “HTML”) code, which can be interpreted by, and viewed using, a traditional Internet web browsing program, such as Internet Explorer. It is important to note that other embodiments of the present invention could operate using other web server software, such as Sybase, Oracle, FileMaker, Apache Web Server, or 4D, as desired, without substantially affecting the operation of the system and without departing from the scope of this disclosure. The database in the preferred embodiment is created using Microsoft SQL Server 2000 software, again a platform well known to those skilled in the art. However, other suitable database software, such as Microsoft Access, Sybase, Oracle, FileMaker, and 4D, may be used without substantially affecting the operation of the system and without departing from the scope of this disclosure.

22. Key learning Points

The present invention relates generally to a learning management system (“LMS”). More specifically, the present invention relates to a web deployed e-learning knowledge management system for remote learning users and remote management controls that enables remote learning over a computer network, such as the Internet, and enables course developers to create and deploy courses to remote learners, to manage the remote learners' access to the courses, to track the remote learners' progress through the courses, to study and analyze remote learners' test results and to develop and evaluate learning curricula. It also enables universities, corporations, or other administrative entities to setup, administer and monitor course developers' and remote learners' access to the system.

[0007]

(B) Description of the Prior Art

[0008]

In today's global economy, knowledge is key, and the ability to create, manage, and convey knowledge to geographically remote locations is critically valuable. For example, in a society where the Internet spreads knowledge instantaneously around the world through various networks reaching billions of people, those who best create, manage, and control the dissemination, content, and integration of knowledge and information will realize the greatest benefits from their efforts.

23. Summary of Invention

The web deployed e-learning knowledge management system of the present invention consists, in the preferred embodiment, of six primary components: (a) a login system for authenticating users and permitting access to the proper portal; (b) a learner portal for allowing remote learners to access e-learning content; (c) a builder portal for allowing course developers to create and deploy e-learning content; (d) a manager portal for managing learners, course developers and their access to the learner and builder portals, and for preparing relevant reports (such as learner progress reports); (e) a super-administrator portal for establishing and managing access to the system and for preparing administrative system-related reports; and, (f) a database for storing data used by the four preceding portals and the login system.

[0020]

In the preferred embodiment of the web deployed e-learning knowledge management system of the present invention, the four portals reside on a single web server computer, and the login system and database reside on a single database server computer. However, in other embodiments, the portals can be run from independent web servers, if desired, without affecting the functionality of the invention. The login system and each of the four portals are written in Microsoft ASP (“active server page”) code, and are designed to operate from Microsoft Internet Information Server, running on a Microsoft Windows 2000 Server (or newer) operating system. The database is created using Microsoft SQL Server 2000 software in the preferred embodiment. The web server computer and the database server computer communicate using traditional prior art networking hardware and software. The login system and portals use structured query language (“SQL”) to communicate with the database and to manage and view data from the database as needed.

[0021]

The login system authenticates users of the system using standard authentication protocols that are well known in the prior art. Based on the type of user (learner, course developer, administrator, etc.), the login system allows the user to access the proper portal.

[0022]

Learners are directed to the learner portal. A learner uses the learner portal to view courses available to the learner, register for courses, take courses, complete online assessments, and track personal history. The learner portal also provides access to supplemental course materials, such as course syllabi, schedules, required reading, and the like. It will be appreciated that the term “learner” as used throughout this disclosure refers to students, employees, or any other entity similarly situated that uses the system for education and/or training purposes.

24. Number of Claims : 33

25. Patent Status : Published Application

26. How much this invention is related with your IDP/UDP?

< 70 %

27. Do you have any idea to do anything around the said invention to improve it? (Give short note in not more than 500 words)

There are certain aspects in the patent which can be improved upon:
i) there is a certain class of users who are entirely opposing the usage of advertisements in the mobile applications. We could take certain measures and allow the users to not be able to see any kind of advertisements after paying a very little amount of money.
ii) the user has the ability to add, view and schedule an event. But the user should also be given the authority to cancel an event in case of any unforeseen circumstances, and the other users should be notified of the latest development.
iii) while the user interface includes the Login, User Home, Upcoming Events and Events of Interests pages, it can be combined in a manner which would make the interface less cluttered and more intuitive one. Hence making the user experience smoother and even better.
iv) The advertiser interface uses Internet ad serving software or rotation software for rotating ads and tracking statistics. But we should work on making sure that the data collected by the advertisers is not used in any other illegal actions, and hence risking user's safety.
Page