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Developing a Health Information Integrated Web Service With a Concept of "Mash up"

Po-Yen Li, Hui-Jou Chang, Dau-Jeng Huang, Polun Chang

Institute of Biomedical Informatics (formerly Health Informatics and Decision Making), National Yang-Ming University, Taiwan

Abstract

By using the concept of Mash up of the Web 2.0, we integrated search engines ,and show the results by tabs in the same page, our purpose lies in leading users to find out the desirous information ,and to provide some searching guidelinefor people who without professional health knowledge, and finally we reach the goal to perform the satisfying information web-pages with tabs.

Keywords:

Web 2.0, Mash up, health information, ASP.NET 2.0

Introduction

With the knowledge exploring time arriving, the demand of health information getting more and more, in order to satisfy this demand, we use the concept of Web 2.0 to design a system, the concept of Web 2.0 is very popular in recently years, especially in providing interaction between websites and users, open resources and sharing wisdom with each other, in brief, it offers better experience for user to use .One of the concepts is Mash up, through many web procedures combine outside resource in a easy way, The brand-new integrated service helps users to omit some unnecessary steps and reach the goals more effectively while they're browsing, for example: flickr(the largest photo-sharing website in the world)is "Mash up" by ThinkFree(the document-editing website), users can obtain the photos from flickr and put them into their own document by some simple steps, and Google Map is quoted to some websites as geographical information, Thus, we choose the program language of ASP.NET 2.0 and Google AdWordsyahoo and Google search engineWikipedia...etc integrated into one service for health information, therefore we use the concept of Mash up to design such service for the general people.

Methodology

We offer the "keyword suggestion" button (this part is top in Figure1.) for users by using the AdWords keyword tool in Google, which can count and show the other related keywords used by other users when they looking for information, and therefore guiding a searching direction for users , especially for those people without general sense of health.

There are always too much disorderly information to read at the same time , we use google search api to integrate better health web information which were elected by DOH in Taiwan.

Users can select which database they want to look for information and present the information be found in the first tag, and then the second tag present the other information which is not presented in first tag. The third tag present videos related with keywords from Youtube. This system uses component of an adjustable transparency of technical design of Ajax, this component can turn on the webpage that the user want to browse through among them, and can adjust the component position and size by oneself in mother's page. Advantage : 1. Preventing users from opening too many webpages at the same time and lead to inconvenient browsing. 2.By using Ajax technology, this design automatically recording the users' browsing time and report to the server in the situation of interference the users'reading . 3.When the user want to compare with the browsing time of all webpages, the system would present these webpages with different transparency. 4. When the mouse move over the keyword of searched abstract, the system would present related keyword information with a frame. This information provide a reference of definition for users, and the source of these data are from http://hospital.kingnet.com.tw/

Figure 1 - By using the user-friendly interface, it is convenient for users friendly to search and view the health information

Discussion

Nowadays the search of health information in the internet network in Taiwan ,the users may probably be confronted by two questions: 1.Beacause of lacking common health information people don’t know how to quiz and obtain the desirable information 2.There is too much information searched out through the internet search engine and telling apart which is the correct and helpful information is difficult for general people.

By using the concept of Mash up of the Web2.0, and the ASP.NET 2.0 technology, we design a well performed web-based system with good user interface to reach the main goal that can help users to screen and integrate the desirable information into this page, the same as all network services of utilizing Mash up, the copyright of WebPages is a topic to be discussed, too. But what we can make sure is, the more the websites be quoted as source references, the more valuable they would be, This tool with providing searching and integrating function of these websites will have the existing value because of saving user's time of searching satisfying information.

References

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