The Design and Implementation of the University Alumni Management System

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ABSTRACT

This is an era in which information technology is highly advanced and contact information of one’s classmates from all over the world is always changing with living areas changed. This will inevitably make one lose touch with their classmates and alma mater. Based on this situation, a platform to strengthen one’s connection with the college is urgently need. Therefore, alumni management system comes into being. This system is based on ASP.NET technology and the B/S model, using Visual Studio 2010 and SQL Server 2008 as development tools. The system consists of foreground system and background system, the main function modules of the foreground system including user registration, login, message board, news and other modules; the background system mainly includes add users, delete users, modify information of users, add news, delete news, add messages and others. One can facilitate the management of alumni and promote feelings for alumni with this system. It’s a platform for alumni to communicate with each other which beyond the restriction of time and space.

KEYWORDS

Alumni Management System, ASP.NET Technology, Social Network, SQL Server Database

1. INTRODUCTION

1.1. The Background of Topics

At the globalization of information atmosphere, social networking, Web technologies, ASP.NET technology and SQL Server database system in the environment of rapid development of technology to get healthy (Wang and Zhao, 2011; Li and Fu, 2009). And rapid development of these technologies has penetrated into our all aspects of daily life (Li, 2001; Wang and Liui, 2009). In the past, all the old-fashioned contact, can no longer keep up with the current pace of life because of inefficient, time-consuming, etc. So alumni management system must provide a platform to overcome these shortcomings.

Alumni management system, as the name suggests, it is a platform to communicate with each other among alumni and alma mater. The users of the system are divided into system administrators and ordinary users. System administrators must be added to database, while ordinary users can be registered with the site. Ordinary users can publish and view the news and messages at the website, achieving real online communication.
The system provides a mutual contact platform for alumni. In such a rapidly changing era, our social circle become more and more widely, contact information may be due to various reasons will be replaced very frequently. If you replace Information, notifying everyone who would contact you was somewhat realistic and time-consuming. But if there is a unified social platform, we only need to update information on this platform, and ensure that all users of this platform are visible. In this way not only save manpower, but also save time and improve efficiency.

1.2. The Purpose and Significance of Topic

After students graduate from school, began their new life plan. Although we may not be in the same city, not in the same industry, not even in the same country, but this precious classmates feeling, friendship has become a valuable asset in our life. While, it's difficult to gather old friends with the changes of work and living areas, as times goes by, our friendship get fading. Alumni Management System (Guo, 2009; Xiao and Wang, 2011; Li et al., 2007) is a common platform that mutual exchange between the students, which facilitate standardize alumni management by using the advantages of the Internet and today's high-tech industry, in order to achieve enhancing the feelings between the alumni and the purpose of maintaining contact between alumni, as well as speed up the construction of society information in today’s to make the web into our daily life and social integration.

In the process of this system building, I take full advantage of Web front-end web production, ASP.NET, SQL Server 2008 database, Photoshop and other technology, which enabled me have a more thorough understanding of ASP.NET language and SQL Server 2008 database as well as the development and implementation of site systems.

2. SYSTEMS ANALYSIS

2.1. Requirements Analysis

The system is divided into two modules: foreground and background, which do not exist alone but interrelated. Foreground can view and add data, and the background can not only add data, you can also modify and delete the data which foreground added. The foreground and background of system is an organic whole, the two complement each other, which is determined according to the actual survey in demand analysis. According to the needs of research, make a careful analysis of design of each functional module. Two modules’ specific functions are as follows:

1. The foreground system: user registration, user login, view and add news, add and view comments and so on. Obtaining foreground system shown in Figure 1 Case Diagram
2. The background system: users adding, users deleting, users modifying, news adding, news deleting, messages adding.

The background system is essential in a system with a long-term operation of the process. If an information system without own background or their own system administrators to manage the contents of the database, then the system could only be dynamically added data interface at the front desk. With a long time, the contents of the database become jumbled, storing data reach to the maximum capacity of the database within a certain period of time, which may lead to paralysis of the entire system. In addition, if the system does not have the background, there is no administrator, all registered users of the system have the same privileges, which is not conducive to the security of the entire system. As long as fill in their personal information in this system and register as a regular user, any network tourists can review and delete the data in the system without administrator. It is equivalent to the system without any barriers and security measures. Even if malicious attack of network tourists is not conducive to timely detection; finally, the background management system is determined according to the needs of user research, which is easy to manage and maintain.
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