

The Approach of British and American Literature teaching system Design and Implementation Based on J2EE Campus Network

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Abstract. With the rapid development of computer technology and network technology is playing an increasingly important role in the field of education, and more and more profound impact on teaching content, teaching methods, teaching mode change. Working full implementation of the campus network construction, online education, the importance of education and the urgency of sharing resources such as more and more attention to achieve [1]. Compared with the traditional teaching mode, the network has the advantage of teaching a variety of common computer-assisted instruction, and to overcome the limitations of using a single. Network coverage, flexible teaching methods, teaching, educational resources and learning has not been limited by time and space, and can be anywhere in the provision of educational services for education. Therefore, it can meet the requirements of the information age, personnel training, has been widely used in distance education.

Introduction

Along with the continuous development of network, multimedia technology, computer technology, computer network resources and applications of the rich. According to management, multimedia technology needs, also puts forward the requirements for campus network construction and management. So building a manageable, reliable, advanced, extensible security campus network, to adapt to the current trend of the development of computer network, and meet the demand of campus network construction in all aspects. School education method is based on the development of education informationization in the future, the future construction and development goals to carry out network teaching, the education information service and remote education service, etc. [1-3]. The continuous development of computer multimedia and network technology and popularization, in order to promote the development of campus network construction, provide convenience for the teachers and students learning conditions, to create a more convenient environment in which to learn, to make it available free, convenient, economical and exchange of network information, the construction of campus network of student dormitory and family members, it is very necessary and feasible. Teachers in their spare time can easily browse and query Internet resources, teaching and scientific research; Students in their spare time can easily browse and query Internet resources to realize the distance learning.

With the rapid development of computer network technology, based on J2EE applications, particularly in higher education by people noticed. Online education as an open educational system construction, more and more attention of educators [4]. Based on computer network technology and multimedia technology, modern network teaching is an extension of the traditional school function, an important aspect of the network environment information resource sharing service. How to effectively build and use the natural advantages of network teaching platform has become the focus of research. J2EE campus network system based on British and American literature teaching, the paper opened up new channels for a new carrier of student exchange and communication.

Meanwhile, the three-tier architecture based on J2EE or multilayer structure with good maintainability and scalability, and enables the reuse of software development costs and save development time and high stability, has become the mainstream of the building. Introduced the development of online education in British and American literature, and analyze the advantages and disadvantages of online education, combined with computer-related technologies J2EE campus

network system based on British and American literature teaching made. Needs analysis and overall design, including online teaching modules, operations management modules, network design and implementation modules to answer, and so on. With the development of computer network technology, many new teaching ideas and methods in this system.

J2EE development platform

J2EE (Java2 Platform, Enterprise Edition) is the use of a de facto industry standard for enterprise Java application development technology, which is a Java technology continues to adapt and promote the products in the process of enterprise applications [5]. It is no comparable advantages of this traditional Internet application mode. Start J2EE Java technology applications on the server to send the application to provide an independent, portable, multi-user, security, and standards-based platform for business, do not let the hair in order to simplify enterprise application management and deployment. J2EE platform using multi-tier distributed application model [6-7]. It is packaged in the realization of the different components of the application logic functions, J2EE application components that make up the application layer which is arranged on different machines, the ability to model reusable components, scalable and flexible security model based on transaction control mark language, based on a unified data exchange. J2EE architecture shown in Figure 1.

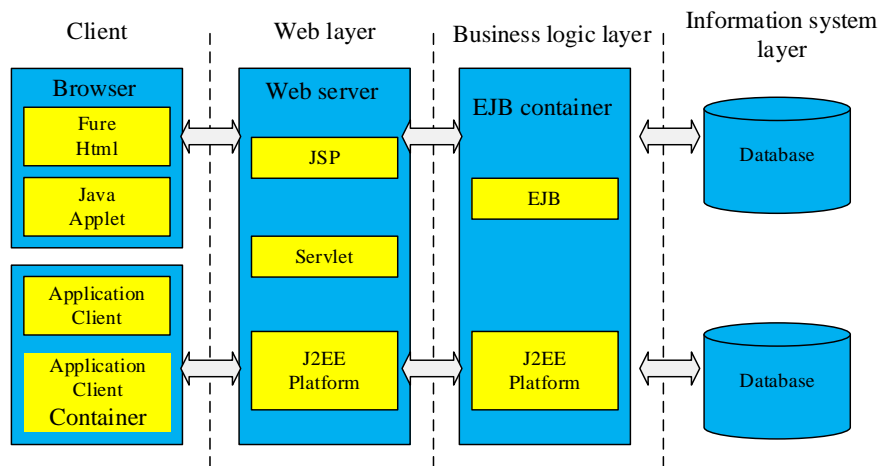


Figure 1. The structure of J2EE development platform

Multi-tier distributed application model means that according to the function and application logic components, the different components that can be installed on the same server or J2EE applications on different servers. Should install an application component, depending on the application component belongs to which one multi-tier J2EE environment. These layers client layer, an intermediate layer (including the network layer and service layer) and enterprise information systems (EIS). J2EE architecture provides the middle tier integration framework to satisfy without too much cost and need high availability, high reliability and scalability of the application requirements. By providing a unified development platform, J2EE reduces the cost and complexity of developing multi-tier application, at the same time to provide strong support to the existing application integration, full support for Enterprise JavaBeans, good guide support package and deploy applications, add directory support, to enhance the security mechanism, improve the performance. J2EE to build scalable, flexible, easy to maintenance business system provides the following good mechanism.

British and American literature teaching analysis

With the improvement of scientific and technological development and college teaching conditions, the use of internet in teaching British and American literature has become a trend [8]. Quick, convenient network for teacher preparation has brought great convenience. According to my

personal experience, the vast majority of written materials in class used images are from domestic and international research network, which greatly eased the normal college English and American Literature serious shortage of information. The classroom, the teacher can also allow students to watch some film adaptation of famous masterpieces, or video background knowledge about the Anglo-Saxon countries. Of course, teachers face a lot of information needs according to the teaching objectives, teaching contents and students practical acceptance, screening, review, refine, and then make courseware. Because of the large amount of information and American literature, teacher lectures courseware will be revealed, this time not only reduces the writing on the blackboard, and more intuitive image illustrated material, more attractive to the students' attention. For example, in the teaching of English writer Jane Austen's works • "Sense and Sensibility", the teacher clearly presented first with courseware author's life, creative background, literary achievements and status. Then analyzed the work, from the perspective of psychoanalysis comment, in the form of illustrated introduction to Freud's psychoanalytic theory, including the ego, superego ternary personality theory and self-protection mechanism, so that students from the visual understanding abstract theories. Freud believed that the purpose of my pursuit of happiness, the pursuit of self-aimed reality, the superego, and the aim is the pursuit of perfection. In the analysis of the two heroines' Marian works and Eleanor, teachers can let their students to watch movie clips, and design questions for students to think. Such as how to present the work of this Marian my quality? Eleanor is how self-regulation, will present my impulse and desire for self-suppression? What self-protection mechanisms in the performance of their body is? How to find a sensible point in between to improve our sense and sensibility? Discussion of these issues will help to deepen students' understanding of the theory. After the lesson, the teacher can also design some of the problems associated with the lesson, students use the Internet to find their own arrangements, or communicate with teachers online. This helps students to solve problems independently, proactive thinking abilities.

The overall function design for the system

Network teaching's main goal is to make full use of network advantages, design a set of suitable for network teaching of teaching mode and teaching environment; Effective management and use of the network teaching resources, to better guide the students to learn; Form a complete set of teaching system. The role through the analysis of network teaching system mainly divided into three kinds of system administrators, teachers, students, each role to complete management and use functions accordingly. Their demand for the system and the role in the system and the permissions are different. First of all, through the system function structure diagram to describe the relationship between them. The system can be divided into three functional modules based on different objects, an administrator module, teacher module, the module, the last one is a student. After the administrator login is successful, personal information management, users, and their class teacher; teacher after a successful login, personal information, student information, student learning, student test conditions and student management, according to their students after class, you can successfully registered, login, personal information management students can complete the learning task, checking the learning process using a dictionary tool, check, and participate in a variety of query results, you can use the message and reply to [5]. The whole system function modules British and American literature teaching system design shown in Figure 2 is based on J2EE campus.

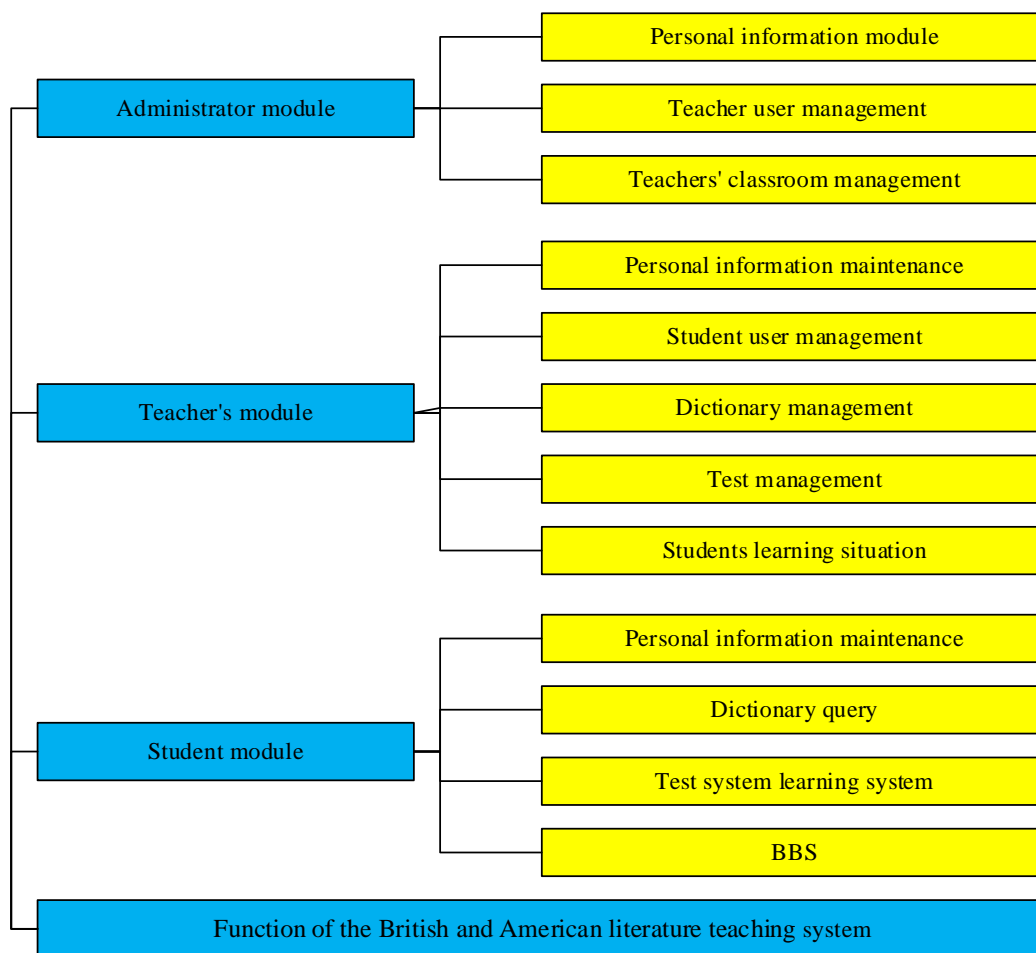


Figure 2. The function module of British and American literature teaching system based on J2EE campus

Administrator module includes personal information maintenance module, user management module and teacher classroom management module. Administrator module to query or modify personal information, personal information management module. Administrator user management module interface teacher, the teacher can be a user query, add, delete or modify operation, the system will check the conditions listed in the input matching users based on the information table, and then the teacher administrator user information can add, delete or modify the operation, if you do not have a successful operation, the result is a list of the teachers' information. After the success of the operation will exit the screen. Teacher module includes personal information maintenance module, students learning module user information module, dictionary management module, test module, student management module, and forums. Personal Information Student module for students to manage their own maintenance, dictionary lookup module, student exams, students and forums.

System architecture design

This system based on Web technology of J2EE development way. The overall architecture of this article to the British and American literature teaching system in detail design. At the same time, the main business object system (administrators, teachers and students) to classify design, also are in the role of each function module for the specific idea, and the activity diagram of the main business. In addition, still need to design the corresponding database table, the main object modeling design and analysis. The architecture of the system -based on J2EE is shown in figure 3.

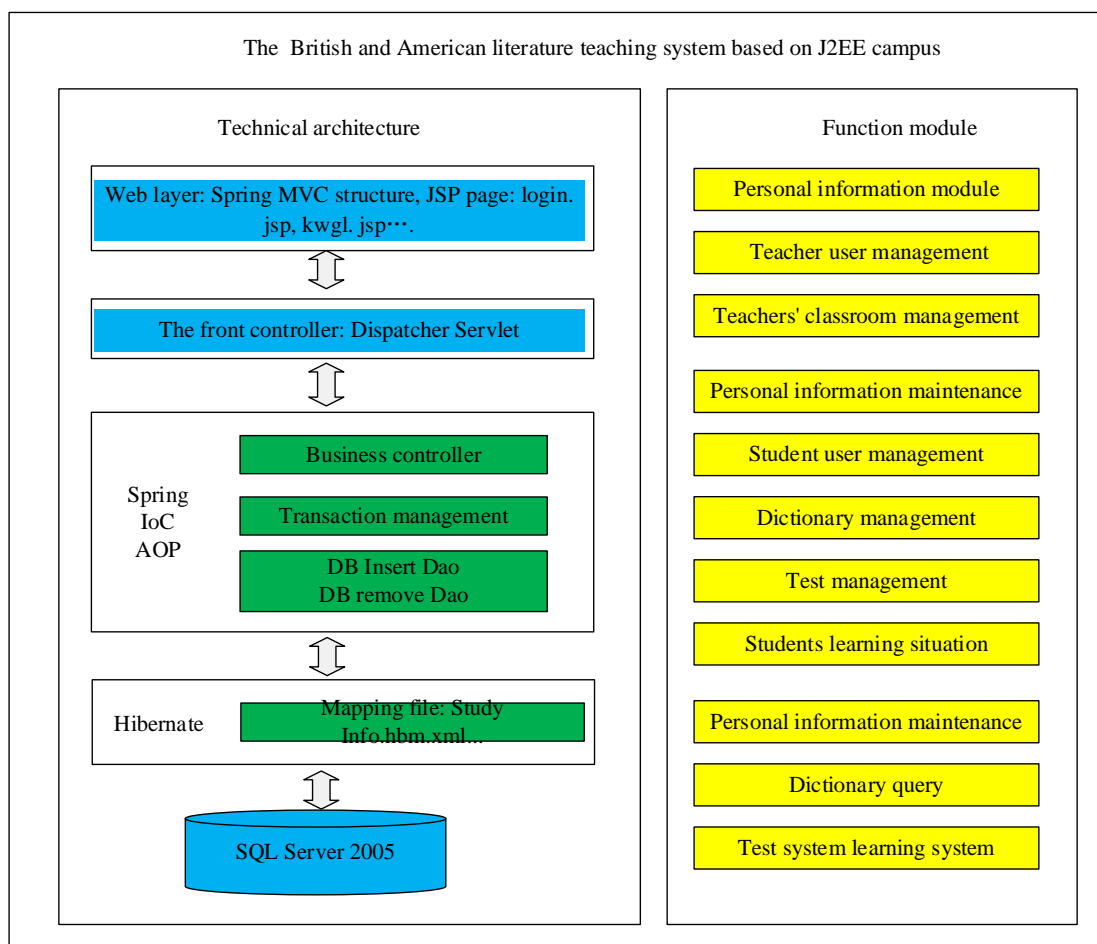


Figure 3. The architecture of the system based on J2EE

British and American literature teaching system is engaged in the construction of network-assisted British and American literature teaching infrastructure, in addition to the need. ASP. Net, ADO. Net, SQLserver2000 enterprise technology, but also need to integrate network communication technology, network multimedia database technology, network programming technology, network technology, virtual reality and artificial intelligence technology, personalized, interactive and practice of ideological and political education network platform, the overall design of an important factor in the overall design to achieve good educational results.

Conclusion

With the coming of information age, computer intelligence technology, the development of network technology, database technology, network teaching is paid attention to by the people day by day. Network teaching with its own advantages, has been widely used in various fields of social life, in the quality education in the process plays an important role cannot be underestimated. This topic design idea is make full use of campus network resources, to carry out network teaching activities. Through strengthen the communication between students and teachers and students, to improve the teacher's teaching level and ability to apply the modern teaching means, improve the students' learning enthusiasm and practical ability.

Therefore, computer and network technology in British and American literature Learning increasing breadth and depth, especially the Internet and campus networks, the major school education provides a wealth of resources to enable the network of online learning British and American literature really become a reality. Build an intelligent system of teaching British and American literature to improve students 'British and American literature learning efficiency and improve the efficiency of the management of students' learning process, become the development trend of modern college British and American literature teaching management. In this paper, based

on the J2EE learning British and American literature teaching campus network system, using the system can deal with difficult students to learn British and American literature and management issues in the process, teachers can help teachers understand the students' learning process, strengthen the management and supervision of real-time, greatly improve teaching efficiency.

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