Design and Research of Web-Based Assistant Teaching System

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ABSTRACT

Web-based assistant teaching system is a virtual teaching environment built by the use of computer and network technology. It completes the system with the uses of B/S three-tier architecture, ASP.NET technology and SQL Server as its background database. Base on requirements analysis in network teaching of Cangzhou medical college, it designs the access control of the system with the user-task-role ideology. The system functions into administrator space, teacher space, student space, and teaching interactive space. This paper states the functions in detail.

Keywords: Network Technology, User-Task-Role, Virtual Environment, Virtual Teaching Environment, Web, Web-Based Assistant Teaching System

1. THE RESEARCH BACKGROUND AND MEANING

With the rapid development of computer network technology, the traditional teaching mode can not meet the demand of current education. As a new teaching method, Web-based assistant teaching system fully combined with computer technology, network technology. It makes easier for students to play to their initiative and creativity in learning (Severance, 2007). Changing the traditional teaching mode, it promotes students’ active learning capability. Web-based education provides real effective realization way for personalized teaching. It is help for global-resources-sharing in education. And it helps to eliminate the diaphragm between teachers and students, and they can communicate each other in time (Yang, 2010).

At present, universities in china have been concerned about the application and research of web-based assistant system (Huanjun, 2011).

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