

面向大学校园教学资源管理平台的设计与开发

Design and Development of University Teaching Resources

Management Platform

摘 要

随着程序开发技术的不断发展，程序开发技术已经被广泛的应用到越来越多的大学学校信息管理业务当中，给教学资源信息管理带来非常大的便捷。但一直以来人们使用传统人工的方式管理相关的教学资源，这种管理方式存在着效率低，保密性差等问题。这就需要利用教学资源管理平台来辅助学生与教师对学习资源信息进行管理、交流，达到提高网上利用学习资源效率的目的，同时提高管理学生课程选择的便利性、快捷性及科学性。

本文的学生宿舍管理系统是采用 B/S 架构，以 Windows 系统作为操作平台，Visual Studio 2010 作为开发工具，运用基于 C# 语言的 ASP.NET 技术来设计，数据库选用 SQL Server 2008。系统登录分为管理员和教师及学生登录，分别赋予不同的访问权限。系统分为系统登录功能、课程信息管理功能、资源管理功能、在线交流平台、信息收发功能。通过 SQL 语句能够实现信息的添加、修改、删除和查询功能。综上，教学资源管理平台是一个学校信息管理业务中非常重要的一部分，该平台整体简洁明了，操作简单，对于大学院校所有的师生用户来说在学习和教学过程中都能发挥作用。

关键词：信息资源管理；课程管理；数据库；asp.net；C#

ABSTRACT

With the continuous development of program development technology, program development technology has been widely applied to more and more university school information management business, which brings great convenience to the information management of teaching resources. However, people have used traditional manual methods to manage related teaching resources. Such management methods have problems such as low efficiency and poor confidentiality. This requires the use of a teaching resource management platform to assist students and teachers in the management and exchange of learning resource information, so as to improve the efficiency of the online use of learning resources, and at the same time improve the convenience, speed, and scientificity of managing student course selection.

The student dormitory management system of this article adopts the B/S framework, uses Windows system as the operating platform, Visual Studio 2010 as the development tool, uses the ASP.NET technology based on C# language to design, and the database selects SQL Server 2008. System login is divided into administrator, teacher, and student login, giving different access rights. The system is divided into system login function, curriculum information management function, resource management function, online communication platform, and information sending and receiving functions. Through the SQL statement can add, modify, delete and query information. In summary, the teaching resource management platform is a very important part of the school information management business. The platform is overall concise and simple to operate. It can play a role in the learning and teaching process for all teachers and students of colleges and universities.

Keywords: Information resources management; course management; database; asp.net; C#.

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