

题 目	基于 web 的图书借阅系统的设计
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摘 要

无论何时，图书记录都是保存时代文明的一种重要方式，而图书馆便是承载这些宝贵资源的地方，管理好图书馆系统更是重中之重。随着信息技术的不断进步，对于图书馆信息资源的管理已经从手工管理逐渐过渡到系统化的计算机管理。

在解决繁重而琐碎的信息整理问题的同时，考虑用户的实际需求也已经成为了设计中很重要的一部分。本系统结合校园师生的一些特点，设计了一个更为人性化和更加方便校园师生操作的基于 Web 的图书馆借阅系统，目标就是为了让用户体会到更贴心的服务。

在查阅了很多书籍文献之后，本系统以 Microsoft Visual Studio 作为开发平台、C#作为开发语言，采用基于.NET 框架下的 ASP.NET 技术，后台数据存储则是选择的 SQL Server。本系统可以方便用户在不需要下载任何软件的情况下完成系统中的相关操作，使得操作简便化。用户在系统中可以完成对图书的借阅、归还和续借这样的基本操作，也可以在首页查看一些图书推荐，系统同时还设置有读书心得板块使用户可以在读完书本后畅快的发表自己的想法，以及设置有用户对系统发表意见和建议的板块。图书管理员则可以对整个系统进行维护。

因此，本系统本着更好地服务校园师生的原则，尽可能的去减少用户的操作负担使用户借阅图书更加方便快捷，也大大的方便了管理员管理系统。

关键词：图书馆借阅系统； Visual Studio； ASP.NET； SQL Server

Abstract

At any time, the book record is an important way to preserve the age of civilization, and the library is the place to carry these valuable resources, what's more, the most important thing is the management of the library system. As information technology continues to progress, the management of library resources has been gradually transferred from manual management to systematic computer management. When designers solve the heavy and trivial problem of information collation, considering the actual needs of users has also become an important part of the design. This system considers some characteristics of campus teachers and students, and designs a more user-friendly and more convenient web-based library lending system for campus teachers and students. The goal is to allow users to experience more intimate services.

After consulting a lot of books and documents, the system uses Microsoft Visual Studio as a development platform, C# as a development language, adopts the ASP.NET technology based on the .NET framework, and the background data storage is the selected SQL Server. The system user can easily complete the system-related operations without the need to download any software, so that the operation is simplified. Users can complete basic operations such as borrowing, returning and renewal of books in the system. They can also check some books on the home page. The system also has a reading experience so that users can express their ideas after reading the books, as well as a section with user comments and suggestions on the system. To a large extent, it also makes administrators easier to manage systems.

Therefore, this system is based on the principle of better serving the teachers and students on the campus. It tries to reduce the burden of users' operations and makes it easier and faster for users to borrow books. It also greatly facilitates the administrator management system.

Keywords: Library Lending System ; Visual Studio ; ASP.NET ; SQL Server

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