

# 基于.NET 的高校二手图书租赁信息管理系统的设计与实现

## 摘 要

随着人们阅读的普及和读者环保意识的提高，越来越多的人开始阅读二手书。同时，互联网、人工智能和大数据等迅速发展使得网络二手书的交易越来越便利，将现代化办公和计算机网络功能相结合的一种新型的办公方式为高校二手书租赁交易增加了新活力。

高校二手书租赁信息管理系统是对大量二手书籍的再次利用提高书籍高利用率。主要优势是提供派送服务为高校阅读者、租赁期长、租金低和图书资源丰富的线上线下消费模式。用户进入系统注册账号后登录可浏览和查阅书籍对其租赁。若该书籍数量为零则可预约，库存量充足时通过短信进行通知用户租借成功。租借成功后可自己提取书籍也可派送到用户的详细地址。该租赁平台租借书籍可以享受长达六个月的租期并且可网上续借，用户学习更方便快捷。

基于网络交易平台的发展迅速实现了基于 Asp.NET 的高校二手书租赁管理系统，采用 Webform 架构、SQL SERVER 2016 数据库、MD5 加密、Bootstrap 前端开发、面向对象的开发方法。系统主要有用户信息管理、借阅管理、图书管理、订单管理、借书还书申请处理和租金管理等。二手书的再次利用培养了我们节能环保意识并提高我们阅读兴趣对知识的追求。

**关键词：**二手书；网络交易；教材回收；租赁

## ABSTRACT

With the popularization of nationwide reading and the improvement of readers' awareness of environmental protection, more and more people begin to pay attention to second-hand books. At the same time, the rapid development of the Internet, artificial intelligence and big data has made online second-hand book trading more and more convenient, which is a new way of working combining modern office functions and computer network, adding new vitality to the second-hand book market.

The university second-hand books borrowing information management system is a reuse system. Lots of second-hand books and low-rent consumption patterns. Users enter the system to register an account, after logging in can browse and consult books to their rental. If the number of books is zero, the book can be reserved. If the stock is sufficient the user can be informed that the book is successfully rented by SMS. After successful renting, you can either extract the books or send them to the user's detailed address. Books can be rented for up to six months and can be renewed online, making it easier for users to learn.

Based on the development of online trading platform in China. Asp.NETbased college second-hand book rental management system is implemented, which adopts Webform architecture, SQL Server database MD5 encryption and BootStrap technology and an object-oriented approach to development. The system includes user management, library management, book management, book information management, user information view, loan book application processing, etc. Cultivate our awareness of energy conservation and environmental protection, develop the habit of caring for books, use of second-hand books has also improved the utilization rate of books.

**Key words:** Second-hand book; Network trading; material recycling; lease.

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