

## 摘要

21 世纪的今天，随着计算机技术和网络技术的不断推广发展和应用，图书馆管理方式也应该随之而更新，借由人力进行繁杂重复的图书管理工作已经不再可取，人们对于信息科学化的认识，已由低层次向高层次发展，由原来的感性认识向理性认识变化，管理工作的重要性已逐渐被人们所认识，所以迫切需要开发一套行之有效的运用计算机科学技术来进行图书管理工作的图书信息管理系统，运用先进的计算机科学技术，解放繁重工作之中的人们，提高工作管理效率，同时也使信息存储更加准确、快速，促进其发展。本论文主要对基于 Python 的图书管理系统进行了设计与实现，面向普通用户和管理员，拥有前端和后台两个分系统，前端系统主要功能包括：图书预约、图书评价、图书借阅、图书收藏、图书续借和图书归还，后台系统则主要是对前端普通用户的申请进行审核，还设计了留言板、公告信息、图书信息等模块作为基础，通过前端系统和后台系统的数据交互，完成图书馆图书管理的日常工作。具体在系统设计上，基于广域网的 BROWSER/SERVER 程序架构方式，结合数据库的强大管理能力，在 Django 框架下进行数据管理，从而实现对图书资料、用户使用已经图书借阅等信息的集中有效规划管理，本设计旨在能够通过本系统对图书进行有效的管理。

**关键词：**图书管理系统；Python 技术；Mysql 数据库；B/S 架构

## Abstract

Today, in the 21st century, With the continuous promotion and development and application of computer technology and network technology, Library management methods should also be updated accordingly, It is no longer advisable to carry out complicated and repetitive library management by manpower, People's understanding of information science, Has developed from low level to high level, From the original perceptual knowledge to the rational understanding of the change, The importance of management has gradually been recognized, Therefore, it is urgent to develop a set of effective use of computer science and technology to manage the library information management system, Using advanced computer science and technology, To free the people in the heavy work, Improve the work management efficiency, It also makes the information storage more accurate and fast, Promote its development. This paper is mainly based on Python book management system design and implementation, for ordinary users and administrators, with two subsystem front and background, front-end system main functions include: book booking, book evaluation, book borrowing, book collection, book renewal and book return, background system is mainly on the front end ordinary user application, also designed the message board, announcement information, book information module as the basis, through the front-end system and background system data interaction, complete the daily work of library management. Specific on the system design, based on the BROWSER / SERVER program architecture, combined with the database strong management ability, under the framework of Django data management, so as to realize the books, users have books borrowing information centralized planning and effective management, this design aims to effectively manage the books through the system.

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**Key words:** Library management system; Python technology; Mysql database; B / S

architecture

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