

基于 java 的图书管理系统的设计与实现

摘 要

随着计算机技术的快速发展，带动了各行各业的自动化，网络化和数字化的快速进步，图书馆的管理，通常情况下，由于收藏书籍数量相对较多，传统的手工管理方法已经难以无法应对图书馆的日常管理。人们在图书馆的机遇效率已经明显低于现在快节奏的生活状态，主要是由于图书馆部分采用人工登记的方式，大大影响了借阅效率，同时给图书馆的业务也造成了严重的阻碍影响，于是人们开始对图书馆的信息化管理加快了研发的步伐，以此来提高图书馆的运行效率，并且进一步降低出错的概率。如何能够依托信息化管理技术，将图书馆的日常运行管理工作进行系统化处理成为了研究的重点工作。本文结合图书馆的实际管理需求，论述了系统的开发流程，阐明了图书馆管理系统的开发过程。主要包括系统可行性研究、系统设计和数据库设计。它采用 Java 作为开发语言，sqlserver2000 是一个数据库设计与开发系统，该系统能够满足中小型图书馆的日常管理需求。

关键词： JAVA；管理信息系统；图书管理；系统设计；信息技术

ABSTRACT

With rapid progress in computer technology, the industry has made rapid progress in automation, networking and digitization of each industry. The management of the library usually has a relatively large collection of books, so the traditional manual management method can not cope with the daily administration of the library. The opportunity efficiency in people's libraries was clearly lower than the current fast rhythm life. Because the part of the library mainly adopted the method of the artificial registration, it greatly influenced the utilization efficiency of the library. At the same time, I also had a big obstacle to library work. Therefore, people accelerated the research and development pace for the computerization management of the library. This enhances the library's driving effect. Reduce the rate and lower the probability of error. It was important work to systematize the daily operation control work of the library depending on the information technology. This paper discusses the development process of the system according to the actual management needs of the library. It mainly includes system feasibility studies, system design and database design. Java is adopted as a development language. Sqlserver 2000 is a database design and development system that meets the everyday management needs of small and medium sized libraries.

Keywords: Java; Management Information System; Book Management; System Design; Information Technology

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