林学知识库管理软件的设计与实现

摘　要

现代林学技术飞速发展，以往传统的林学知识存储方式已经无法满足现在人们对林学知识的需求。如今人们更加追求数据化，精简化，集成化，信息化。传统的纸张翻照会浪费人们大量的时间空间。互联网近年来高速发展，甚至在疫情时期，也天天在发生巨变。从关于林学知识的实体书本，到掌上林学知识库，我们急需一款方便大众查看林学相关知识，相关书籍，相关文章的掌上网页林学知识库。

一个能让大众了解林学基本知识，阅读林学相关书籍的网页，成为开发者首要目标。在让大众汲取林学知识的同时，也需要知识库管理人员对知识库定期进行管理的平台。在本文中。首先本系统采用基于 Vue.js 框架作为前端开发框架，使用 Springboot 作为后端开发框架。MySQL 作为数据库。集成持久层框架 MyBatis，与此同时，前端结合 Ant Design，让界面简洁美观，极大的提高了用户的使用感受。让用户使用更加方便快捷。其次，使用了爬虫技术，确保知识库数据来源具有权威性。为了使所有书籍具有条理，方便用户对不同的书籍查找，本项目支持无限极分类，对所有书籍进行分类管理。

通过本项目，实现了林业知识库管理系统。其中功能包含：用户管理、普通用户管理、分类管理、电子书管理等管理功能。经过测试，功能符合需求，能够满足对林业知识库信息化管理的需求。

关键词： 林学知识库；管理系统；Springboot+Vue.js；

Design and Implementation of Forestry Knowledge Base Management Software

Abstract

With the rapid development of modern forestry technology, the traditional storage methods of forestry knowledge in the past have been unable to meet the current needs of people for forestry knowledge. Nowadays, people are more pursuing digitization, refinement and simplification, integration, and informatization. Traditional paper flipping can waste a lot of people's time and space. The internet has developed rapidly this year, it has undergone significant changes every day. From physical books on forestry knowledge to handheld forestry knowledge databases, we urgently need a handheld webpage forestry knowledge database that is convenient for the public to view forestry related knowledge, books, and articles.

A website that allows the public to understand the basic knowledge of forestry and read related books on forestry has become the primary goal of developers. While allowing the public to learn about forestry knowledge, a platform for knowledge base managers to regularly manage the knowledge base is also needed. In this article. First, the system uses Vue.js framework as the front-end development framework and Springboot as the back-end development framework. MySQL as a database. The integrated persistence layer framework MyBatis, combined with Ant Design in the front-end, makes the interface simple and beautiful, greatly improving the user experience. Make it more convenient and efficient for users to use. Secondly, crawler technology was used to ensure the authoritative source of knowledge base data. In order to make all books organized and convenient for users to search for different books, this project supports unlimited classification and manages the classification of all books.

Through this project, a forestry knowledge base management system has been implemented. The functions include: user management and other management functions. After testing, the function can meet the requirements for information management of forestry knowledge base.

Keywords: Forestry knowledge base;Management system;Springboot+Vue.js;

目　录