

# 基于 javaWeb 的小区物业管理系统

## 摘 要

近年来，经济社会快速发展，传统的物业管理模式已经被当前各种物业需求发展所淘汰，不能跟着物业行业发展步伐。借助于科学技术发展的机会，将计算机技术与物业管理相结合，可以在很大程度上提升住宅物业管理的能力，同时也提高企业的管理能力，最大程度上获得收益。同时，以往的物业管理方式效率低下、成本高昂，已不能为日渐发展的新社区提供所需服务，基于此，本文建立了一个新型的智慧小区物业管理系统模式，在该系统中，从小区、角色、权限等方面来划分账户体系，在很大程度上提高了系统的安全度和可扩展度。从真正意义上满足了人们对于社区业务的复杂需求。

该系统使用的软件架构为前后端分离的模式。这种模式会分离数据渲染层和处理层，在不同的服务器中都有分布，从而增强系统的整体性能，提高其扩展度。在性能实现部分，在前端应用 Node.js 技术来建立页面的配置服务功能，基于配置来生成页面，同时结合 Vue.js 框架封装交互控件、解析页面配置及后端返回数据，完成页面渲染。后端基于 Spring Boot 框架和 MySQL 数据库技术实现核心业务功能。

**关键词：**小区物业；物业管理；管理系统；Java；Mysql

## **Abstract**

In recent years, with the rapid development of economy and society, the traditional property management mode has been eliminated by the current development of various property demands, which cannot follow the development pace of the property industry. With the help of the development of science and technology, the combination of computer technology and property management can greatly enhance the ability of residential property management, but also improve the management ability of enterprises, to the maximum extent to obtain benefits. At the same time, the previous low efficiency, high cost of property management way has not been able to increasingly development of new community to provide the required services, based on this, this paper established a new type of intelligent community property management system model, in this system, from the village, roles, permissions, etc to divide account system, to a great extent, improve the security of the system and extensible degrees. It really meets people's complex needs for community business.

The system USES a software architecture that separates the front end from the back end. This pattern separates the data rendering layer from the processing layer and is distributed across different servers, thus enhancing the overall performance and scalability of the system. In the performance implementation part, node.js technology is applied in the front end to establish the configuration service function of the page, and the page is generated based on configuration. At the same time, the interactive control, page configuration and data returned from the back end are encapsulated in combination with vue.js framework to complete the page rendering. The back-end implements the core business functions based on the Spring Boot framework and MySQL database technology.

**Key words:** Residential property management; Property management; Management system; Java; Mysql

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