# 基于JAVAWEB技术的自行车租赁管理系统

摘 要

近年来随着科技技术的进步与发展，“共享”、“租车”等相关的APP陆续出现在我们的生活中。随着城市机动车数量的增加,环境污染、交通拥堵等问题日渐严重,因此,发展新的绿色出行模式,引导人们减少机动车出行成为解决这一问题的新思路。在这种背景下,“公共自行车+公共交通”的出行模式逐渐在我国发展起来,它鼓励人们更多的采用公共自行车这一出行工具。相较于机动车出行,这种方式在节能减排的同时,也能提高居民的出行效率,已经在我国许多城市流行起来。

基于这种背景，设计和开发一个功能全面，界面友好、稳定高效的自行车租赁管理系统。本文主要论述了一个基于JAVAWEB技术的自行车租赁管理系统，概述了课题研究背景、国内外发展现状，以及系统的设计原理、设计思想和具体实现过程。对在设计过程中涉及到的关键设计思想及重要作业流程做了具体分析和介绍，并对系统各个模块的设计思想及设计过程做了详细阐述。

本系统设计采用了JAVAWEB技术，使用SpringBoot框架，以Mysql5.0作为数据库支撑平台，应用到的技术包括JAVA、MyBatis、Vue、软件工程思想等

关键词：自行车租赁；JavaWeb；SpringBoot；Mysql5.0；Vue

# Abstract

In recent years, with the progress and development of science and technology, "sharing", "car rental" and other related apps have appeared in our lives. With the increase of the number of urban motor vehicles, environmental pollution, traffic congestion and other problems are becoming more and more serious. Therefore, the development of new green travel mode and guiding people to reduce motor vehicle travel become a new idea to solve this problem. In this context, the mode of "public bicycle + public transportation" has gradually developed in China, which encourages people to use public bicycle more. Compared with motor vehicle travel, this way can not only save energy and reduce emissions, but also improve the travel efficiency of residents, which has become popular in many cities in China.

Based on this background, we design and develop a bicycle rental management system with comprehensive functions, friendly interface, stable and efficient. This paper mainly discusses a bicycle rental management system based on Java Web technology, summarizes the research background, development status at home and abroad, as well as the design principle, design idea and specific implementation process of the system. The key design ideas and important work processes involved in the design process are analyzed and introduced in detail, and the design ideas and design process of each module of the system are described in detail.

This system adopts Java Web technology, uses springboot framework, and takes mysql5.0 as the database support platform. The applied technologies include Java, mybatis, Vue, software engineering ideas, etc

Keywords：Bicycle rental；JavaWeb；springboot；mysql5.0；Vue

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