**基于React技术栈的个人博客系统的设计与实现**

摘要

React技术栈，为现今前端技术的流行框架及技术栈。它融合了前端状态存储、路由跳转、界面渲染等多种技术问题的解决方案。本系统的后端部分将利用同为JavaScript语言的Node.js及Express中间件框架，数据库部分则利用了MongoDB作为数据存储构件。这个博客系统主要功能有发表文章、浏览文章、文章评论、以及后台管理部分的用户管理、文章管理、评论审核等。博客系统数据采用API向后端访问数据，在前端则使用类似于MVC的架构，利用这些架构搭建了这个系统，使得这个系统有着更好的稳定性和可维护性。博客系统作为互联网的产物，本系统比较了现有产品的优缺点，扬长避短，并且通过React技术以及后端等其他技术的灵活运用，构建一个可以多用户利用、发表文章、浏览的个人博客系统。通过这个系统平台来实现多用户可以利用的博客发布系统。以此来完成一个使用方便，去除冗余功能，且无广告能够提供完整交互和完美体验，并且融合进一些社交平台的优点。这些设计将会符合当今设计潮流以及技术发展。

关键词：React，前端开发，JavaScript，博客系统，Node.js，Express

**THE DESIGN AND IMPLEMENTATION OF THE PERSONAL BLOG SYSTEM BASED ON REACT TECHNOLOGY STACK**

**ABSTRACT**

The React technology stack is a popular framework and technology stack for today's front-end technologies. It combines front-end state storage, routing jumps, interface rendering and other technical solutions. The backend part of the system will use Node.js and the Express middleware framework that are both based on JavaScript language, and the database part will use MongoDB as the data storage component. The main functions of this blog system include publishing articles, browsing articles, commentaries on articles, and in the background management section there will be user management, article management, comment review, etc.. The blog system data uses APIs to access data to the back-end, and the front-end uses an MVC-like architecture. Using these architectures, the system is built to make the system more stable and maintainable. The blog system is a product of the Internet. This system which will be accomplished in this design compares the advantages and disadvantages of existing products, avoids weaknesses, and builds a personal blog system that can use, publish, and browse multiple users through the flexible use of React technology and other back-ends technologies. Through this system platform to achieve a multi-user blog publishing system can be used. In order to complete the system which is an easy to use, remove redundant features, and no ads, can provide a complete interaction and perfect experience, and incorporates the advantages of some social platforms. These designs will meet current design trends and technological developments.

**Key words**: React, front-end development, JavaScript, blog system, Node.js, Express