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题 目 基于Hexo框架的轻量级

个人博客设计与实现

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摘 要

随着计算机网络的快速发展，博客已经成为新时代的代名词，是人与人之间交流不可或缺的工具。而个人博客更是获得大家的青睐，越来越多的人喜欢动手搭建属于自己的博客。搭建博客有两种选择，动态博客与静态博客。基于静态博客轻量、免费、加载速度快的特点，利用Hexo与Node.js、Github搭建静态博客已经成为当下流行。

本文的主要内容便是基于Hexo框架的轻量级个人博客的设计与实现，包括：1）主题设计。确定博客的主题，分别对博客的颜色风格、页码布局、Scheme、菜单这四个方面进行设计；2）内容设计。主要是从博客的首页、文章、留言板、标签这四个方面入手，对博客的内容进行设计；3）个性化设计。为了丰富博客，完善博客的外观与内容，为博客添加头像、动态背景、社交链接、背景音乐等一系列的个性化设计；4）基于Hexo框架对博客进行搭建，利用Markdown语法进行编辑，生成静态页面，实现轻量级个人博客的搭建。

个人博客的建立，一方面博主享有了充分的发表自由度，不用受平台的限制，随意向世界展示知识、经验、见解等所有的所思所想，实现与他人的即时交流。另一方面，我们可以由表及里一步一步的加深对知识的理解，只有我们理解了，才能更好的表达出来，才能分享给他人，有助于知识的积累与学习能力的提升。

关键词：Hexo；Markdown；轻量级；博客

Abstract

With the rapid development of Internet, blogs have become symbol of the new era and an indispensable tool for communication between people. Personal blog gains popularity with people, and more and more people like to build their own blogs. Blogs can be divided into two types: dynamic blogs and static blogs. Static blogs have some features, such as lightweight, free, and fast to load. Building static blogs with Node.js and Github by hexo has become popular.

The main achievement of this paper is the design and implementation of lightweight personal blog based on Hexo, which includs: 1) Theme, which is designed by four aspects: color style, page layout, Scheme, and menu; 2) Content design which includes the home page, articles, message boards and tags; 3) Personalized design which is to enrich the blog, improve the appearance and content of the blog. A series of personalized design for the blog is also designed, such as avatar, dynamic background, social links, background music and so on. 4)The lightweight personal blog is based on Hexo framework to implement. It uses Markdown syntax for editing and it can generate static pages.

There are many advantages to implement a personal blog. On the one hand, bloggers enjoy full freedom of expression without limition from the platform. They can show their thoughts, knowledge, experience and insights to all over the world. At the same time, bloggers can realize instant communication with others. On the other hand, we can deepen the understanding of knowledge step by step. Only when we understand it, we can express and share it with others better. It contributes to the accumulation of knowledge and the improvement of learning ability.

**Keywords:** Hexo; Markdown; lightweight; blog