基于 SpringBoot 的购物网站的设计与实现

摘 要

随着网络的飞速发展以及快速普及，淘宝、京东等电商软件已经成为了人手必备的常用软件，人们越来越离不开电子商务带来的便捷。

本文主要研究基于 SpringBoot 架构实现咚咚购物网站的搭建，从用户开始访问系统到执行各种操作，中间所涉及到的各个关键服务都做了详细的设计与实现。这是一款基于 SpringBoot 实现的 B2B2C 电商平台，本论文内容主要分为以下几个部分：

（1）由于本论文中的电商平台需要为第三方平台即运营商、入驻的商家和购物用户服务，所以从这三个方面出发对整体电商的业务需求进行分析。

（2）为了完成项目，学习了 SpringBoot 和 Nginx 等技术，根据官方文档及权威博客使用案例，掌握各相关技术的使用，最后对各个业务模块分别进行开发。

（3）在后台管理系统中，对首页广告采用了缓存技术，使图片可以快速切换。

（4）每个系统都分为三个层次，表示层、业务逻辑层和数据访问层。

关键词：电子商务；购物网站；SpringBoot

ABSTRACT

With the rapid development and popularization of the network, e-commerce software such as Taobao and Jingdong has become the necessary software in common use. People are more and more inseparable from the convenience brought by e-commerce.

This paper mainly studies the construction of Dongdong shopping website based on springboot architecture. From the beginning of users' access to the system to the implementation of various operations, the key services involved in the process have been designed and implemented in detail. This is a B2B2C e-commerce platform based on springboot

(1) Since the e-commerce platform in this paper needs to serve the third-party platform, that is, operators, merchants and shopping users, this paper analyzes the business needs of the whole e-commerce from these three aspects.

(2) In order to complete the project, I studied the technologies such as springboot and nginx, mastered the use of relevant technologies according to official documents and authoritative blog use cases, and finally developed each business module separately.

(3) In the background management system, cache technology is adopted for the front page advertisement, so that the pictures can be quickly switched.

(4) Each system is divided into three levels: presentation layer, business logic layer and data access layer.

Keywords:Electronic commerce; Shopping Website; SpringBoot.

目 录

1 前言 1

1.1 研究背景与意义 1

1.2 国内及世界发展现状及趋势 1

1.3 研究内容 2

1.4 本论文的章节安排 2

2 运行环境及技术介绍 4

2.1 运行环境需求 4

2.2 数据库相关技术 4

2.2.1 MySQL 4

2.2.2 Redis 5

2.2.3 MyBatis 5

2.3 其他相关前沿技术 6

2.3.1 SpringBoot 6

2.3.2 Nginx 7

2.3.3 2.33 Solr 7

3 系统可行性分析及概要设计 8

3.1 系统功能性需求分析 8

3.1.1 运营商后台 8

3.1.2 商家后台 9

3.1.3 网站前台 9

3.2 非功能性需求分析 10

4 系统详细设计与实现 11

4.1 运营商后台详细设计与实现 11

4.1.1 商品管理、商家后台管理的详细设计与实现 12

4.1.2 首页数据分析模块 17

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。

如要下载或阅读全文，请访问：

https://d.book118.com/156023024124010143