

摘 要

二十一世纪以来，随着互联网的广泛普及，很多的行业都开始朝着互联网追求发展，电商就是融入互联网行业最成功的行业之一，现今人们无论老幼都已习惯采用互联网进行交易，从而使得电商的更新换代更加的频繁。电商的高速发展对电商平台的要求越来越高，如支付过程中的安全性保证以及用户的购物体验保证等都是平台开发者要解决的关键难题。

本论文从多个角度对电子商城的需求进行了剖析，制定了一套较为完整的设计方案，研发出了一套基于 Java 的电子商城。本商城使用当下最流行的 SpringBoot 框架，该框架可以简化配置，有助于开发人员专注于代码本身。前端页面使用了 HTML、JavaScript、CSS 以及 SpringBoot 官方推荐的模板 Thymeleaf 代替 jsp 进行页面的解析，接口使用 RESTful 风格。经过测试，本电子商城的功能已能够满足人们的基本购物需求，同时具有搞安全性和良好的用户体验均能达到用户满意的效果。

关键词：电商；Java；SpringBoot；前后端分离

Abstract

Since the 21st century, with the widespread popularity of the Internet, many industries have begun to pursue the development of the Internet. E-commerce is one of the most successful industries integrated into the Internet industry. Nowadays, people, regardless of their age, have been accustomed to using the Internet for trading, which makes the update of e-commerce more frequent. With the rapid development of e-commerce, the requirements of e-commerce platform are higher and higher, such as the security assurance in the payment process and the user's shopping experience assurance, which are the key problems to be solved by platform developers.

This paper analyzes the needs of e-mall from many angles, develops a relatively complete design scheme, and develops a set of e-mall based on Java. This mall uses the most popular spring boot framework, which can simplify configuration and help developers focus on the code itself. The front-end page uses HTML, JavaScript, CSS, and the official template of spring boot, thymeleaf, to parse the page instead of JSP. The interface uses restful style. After testing, the functions of the e-mall have been able to meet people's basic shopping needs, and the security and good user experience can achieve user satisfaction.

Keywords: E-commerce; Java; SpringBoot; Front and rear separation

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