

摘 要

教育是一个国家发展的基石，是衡量综合国力的重要依据。近些年来，国家加大了对教育建设的投入力度，在线教育、网络教学得以蓬勃发展，数字化教学、网络化教学已渗透进我们的生活，而显然只使用当今单一传统的纸质化考试方式进行考核，已不适合时代发展的主旋律。本文结合教学考核中存在的问题和实际需求，设计出了一款全自动考试平台。

全自动考试平台基于 JavaWeb、B/S 结构，在开发模式上选用了 MVC 开发模式，在整体架构上选用了经典的三层架构，服务器方面选用了 Tomcat,数据库方面选用了 MySQL,开发平台方面选用了 Eclipse,结合 jsp、servlet、jstl 等技术完成了该考试平台的设计和实现。该考试平台的功能包含功能设置、用户登录、用户考试、用户管理、试题管理等功能。论文内容从概述、相关技术和手段、系统分析，系统总体设计、系统详细设计、系统测试等方面来进行阐述，从需求、设计、到实现循序渐进，辅以截图和介绍。基本可满足设计需求。

关键词：考试平台；Java；MVC；JSP

Abstract

Education is the cornerstone of a country's development and an important basis for measuring its comprehensive national strength. In recent years, the country has increased investment in education construction, online education and online teaching have been booming, digital teaching and online teaching have penetrated into our lives, but it is obviously not suitable for the main theme of the development of the times to only use the single traditional paper-based examination. Based on the existing problems and practical needs in teaching assessment, this paper designs a full-automatic examination platform.

Based on the structure of Java Web and B / S, the full-automatic examination platform selects the MVC development mode in the development mode, the classic three-tier architecture in the overall architecture, Tomcat in the server, MySQL in the database, eclipse in the development platform, and completes the design and implementation of the examination platform with JSP, servlet, JSTL and other technologies. The functions of the test platform include function setting, user login, user test, user management, test question management and other functions. The content of the thesis is elaborated from the aspects of overview, related technologies and means, system analysis, system overall design, system detailed design, system testing, etc., from requirements, design, to implementation, and is supplemented by screenshots and introductions. Basically meet the design needs.

Key Words: test platform; Java; MVC; JSP

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