

基于 Java 的教学系统的设计与实现

摘 要

随着互联网的快速发展,在线教育服务是中国教育信息化发展最快的领域,在传统线下教育模式收到成本飞涨的压力下,依靠互联网与智能手机的普及,在线教育有着广泛空间,为此尝试依靠互联网的优势打造一套专属于教学模式的一套系统来提高教师平时中的授课效率,创造和分享更优质的教学内容。本文主要探讨了为教育机构研发一套教学系统,给老师提供更便捷、更高效的教学内容的研发能力。这套系统的主要目的是为了减轻老师平时工作中的压力,将平时的授课资料、讲义教案进行归纳整理,省去平时工作中重复繁琐的工作,从而有更多的时间来进行优质教学内容的研发。

本系统采用 B-S 架构模式,主要使用 JavaEE 技术与 IntelliJIDEA 工具进行开发,以 JSON 格式作为数据传输的标准,并可被不同网络环境中的不同 Web 终端访问。

关键词: 在线教育; 教学系统; Java; JSON

ABSTRACT

With the rapid development of the Internet, online education service is the fastest developing field of China's education informatization. Under the pressure of the soaring cost of the traditional offline education mode, relying on the popularity of the Internet and smart phones, online education has a wide range of space. Therefore, we try to build a set of teaching mode system to improve teachers' teaching in ordinary times by relying on the advantages of Internet Class efficiency, creating and sharing better teaching content. This paper mainly discusses the research and development of a teaching system for educational institutions to provide teachers with more convenient and efficient teaching content. The main purpose of this system is to reduce the pressure of teachers in their daily work, summarize and sort out the usual teaching materials and teaching plans, so as to save the tedious work in daily work, so as to have more time for the research and development of high-quality teaching content.

This system adopts B-S architecture mode, mainly uses Java EE technology and IntelliJ idea tool for development, takes JSON format as data transmission standard, and can be accessed by different web terminals in different network environments.

Keywords: Online education; teaching system; Java; JSON

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