

餐厅自助点菜系统的设计与实现

摘 要

移动互联网的普及与推广，改变了人们获取信息和保存信息的方法。人们的生活和工作融入智能移动终端以后，发生了翻天覆地的变化。随着智能手机在人们社会生活的方方面面中的普及，人们开始通过更加简洁的方式存储和使用数据，这无疑可以提高数据使用效率和人们的工作效率。

本文在设计和研发 Android 餐厅自助点餐系统时，首先对该系统进行需求分析，然后基于需求分析进行系统总体设计。另外，本文主要采用了 Java 语言设计了餐厅自助点餐系统，该系统为用户提供了多元化功能，包括菜单功能、桌号功能、订单管理功能、用餐反馈功能等等。本文还针对系统功能和性能进行测试，测试结果表明，本文所设计的安卓餐厅自助点餐系统拥有十分完善的功能和友好的人机交互界面，目前在各大餐厅拥有较高的使用价值。

关键词：智能手机；Android；餐厅自助点餐系统；JAVA

ABSTRACT

The popularization and promotion of mobile Internet have changed the way people obtain and save information. People's life and work into the intelligent mobile terminal, has undergone earth-shaking changes. With the popularity of smart phones in all aspects of people's social life, people begin to store and use data in a more concise way, which can undoubtedly improve the efficiency of data use and people's work efficiency.

In this paper, the design and development of the Android restaurant self-service ordering system, first of all, the system needs to be analyzed, and then the overall design of the system, the overall design process mainly includes the system development environment, system objectives, system functions and system processes and other aspects of the design. In addition, this paper mainly USES Java language to design the restaurant self-service ordering system, which provides users with a variety of functions, including menu function, table number function, order management function, dining feedback function and so on. At the end of this paper, a test is also carried out on the designed system. The test results show that the android restaurant self-ordering system designed in this paper has very perfect functions and friendly human-computer interaction interface, and it is of high use value in major restaurants at present.

Key words: Smartphone; Android; restaurant self - service order system; JAVA

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