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**成都信息工程学院**

**学位论文**

**高校学生宿舍管理系统的设计与实现**

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**高校学生宿舍管理系统的设计与实现**

**摘 要**

 因为在校大学生数量的持续增长，大学的学生宿舍规模也随之持续增长，手工记录的宿舍管理方式已经不能有效地管理一所大学内所有的学生宿舍了。

为了实现对高校宿舍的有效和高效地管理，将现有的人工管理方式转变为计算机管理模式，设计和开发一个高校学生宿舍管理系统是非常必要的。该系统负责管理高校学生宿舍的所有信息，包括：宿舍信息、宿舍管理员信息、宿舍住宿人员信息及人员变化信息等。系统开发包括后台数据库的建立以及前端应用程序的开发两个方面。后台数据库要求保持数据的一致性和完整性、且数据安全性高；前端应用程序则要求能提供强大的数据操纵功能，具有界面友好、使用简单方便的特点。

系统使用Borland公司的Delphi 6.0和MS SQLServer 2000数据库为开发工具, Delphi6.0是面向数据库的开发工具，有利于对数据库和数据表的直接操作和处理，提高了编程效率和可靠性。

采用宿舍管理系统，学校现有的宿舍信息管理将有很大的改观，由过去的人工方式转变为计算机管理方式，克服了以前管理中效率低、易产生错误等缺陷，现在的宿舍管理具备了查找方便、可靠性高、存储量大的优点，极大地提高效率。

**关键词：**宿舍 信息管理系统 数据库 Delphi6.0

**Design and Implementation of College Dormitory Information Management System**

**Abstract**

Along the growing of the students’ number in a college, the amount of dormitories keeps growing as well. The information of all dormitories in the college cannot be effectively managed in a paper-base approach. In order to manage the dormitories effectively and efficiently and transform the management approach from paper-base to computer-base, it is necessary to design and develop a college dormitory information management system. The system manages all information of the college’s dormitories including dormitories, dormitories’ administrators, residents assigned to different dorms and the residents’ moving in and out, etc. The system’s development consists of the database construction and the application development. The database needs to ensure the consistency, completeness, and high security of data; the application needs to be able to operate the data easily and conveniently. The system requires being user-friendly and easy operating.

The system is developed by adopting Delphi 6.0 from Borland and the database system of MS SQL Server 2000. Because Delphi6.0 is database-oriented and good at operating the database and its tables directly, it can increase the efficiency and reliability of coding.

The dorm management system improves the management for the dormitory information greatly. It transforms the information management approach from paper-base to computer-base and overcomes the defects of low efficiency and fallibility. Currently, the dorms’ management is of easy searching, high reliability, and large storage, and increases the efficiency of management greatly.

**Key words:** Dormitory; Information Management System; Database; Delphi6.0

**Note: 英语每一个标点符号后面要空一格，再开始下一句。**