



**本科毕业设计（论文）**

**基于B/S模式的航班票务管理系统设计与实现**

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**摘 要**

随着时代的进步，科技的发展，互联网走进了千家万户。人们通过互联网获取知识和信息，在网络上购物，在社交平台上分享自己的生活，互联网给人们的生活带来了很多便利。伴随着科技的进步，互联网技术和无线移动通信技术也得到了长足的发展。相比于传统线下的航空订票系统，依赖于互联网的线上航空订票系统可以更高效、完善地服务航空公司员工和旅客，提高旅客订票的效率，也方便航空公司员工的查询和管理。

本文主要分为五章，系统按照软件工程理论进行开发，并在各个阶段坚持严格审查，保证按时按量完成任务。

第一章主要介绍了本课题的相关发展概况，并介绍了航空票务管理系统的项目背景和研究意义。

第二章主要介绍了本课题开发过程中所研究的相关技术，包括采用的开发语言、开发工具、数据库及其他相关技术，并介绍了相关技术的特色和优点。

第三章主要介绍了本课题的相关设计目标和功能要求，从而完成了对本系统的需求分析。

第四章从用例图、概念模型设计和数据库设计等方面完成对航班票务管理系统进行了概要设计。

第五章主要是分模块对航空票务管理系统进行相关的详细设计。

第六章是按照功能模块对该系统进行相关的测试工作。

**关键词**：航班票务管理系统，B/S模式，Java

**Abstract**

With the progress of the times, the development of science and technology, the Internet into the tens of thousands of households. People through the Internet to obtain knowledge and information, shopping on the network, in the social platform to share their own lives, the Internet to people's lives has brought a lot of convenience. With the progress of science and technology, Internet technology and wireless mobile communication technology has also been developed by leaps and bounds. Compared to the traditional line of air booking system, Internet-dependent online booking system can be more efficient and perfect service to airline employees and passengers to improve the efficiency of passenger booking, but also to facilitate the airline staff inquiries and management.

This paper is divided into five chapters, the system in accordance with the theory of software engineering development, and at all stages adhere to a rigorous review to ensure the timely completion of tasks by volume.

The first chapter mainly introduces the related development of this subject, and introduces the project background and research significance of air ticketing management system.

The second chapter mainly introduces the related technology, including the development language, development tools, database and other related technologies, and introduces the characteristics and advantages of the related technology.

The third chapter mainly introduces the related design goals and functional requirements of the subject, thus completing the analysis of the demand of the system.

The fourth chapter from the use case diagram, the concept of model design and database design and other aspects of the completion of the flight ticketing management system was outlined.

The fifth chapter is mainly about the sub-module on the air ticketing management system related to the detailed design.

The sixth chapter is in accordance with the functional module of the system related to the test work.

**Key words**：Air Ticket Management System, B/S mode, Java

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# 1 绪论

## 1.1 课题背景

### 1.1.1 选题的背景与意义