论文题目　　　　基于 Android 的航空管理系统

摘要

本文介绍了一个面向公众和内部员工结合的航空公司管理系统从需求分析、设计、实现到测试的过程。本系统后台使用 IDEA、AndroidStudio 工具软件开发，采用了 jsp、sql、java 语言进行开发，数据库使用了 MySQL，服务器采用了阿里云的 ECS 服务器，短信提醒采用了阿里云的的短信服务接口。本系统公众手机 APP 端功能：用户的登录、注册、个人信息的修改、航班的浏览、航班的预定、酒店和景点的浏览、酒店和景点的预定、航班饮料的查看、乘客的管理、酒店和景点订单的浏览与退订、航班订单的退订与改签，内部员工手机 APP 功能：员工的登录、修改个人信息、网上准备、查看报名的航班、飞行小时的统计、通讯录、对应报名航班的乘客信息查看、工作日志的添加与查看，本系统的后端管理主要包含的功能：后端服务管理员的登录、修改个人信息、员工的增删改查、航班的增删改查、饮料的增删改查、景点和酒店的增删改查、财务管理、员工考核、航班起飞前短信提醒、与前端进行数据交互的接口的实现。本文就这几大功能的设计和实现做了比较详细的说明，展示了系统的特性与特色。

关键词：航空管理，公众，内部员工，MySQL，阿里云 ECS 服务器，阿里云短信接口

ABSTRACT

This paper introduces the process of requirements analysis, design, implementation and testing of an airline management system that combines public and internal employees.This system use IDEA, AndroidStudio tool software development background, using the JSP, SQL and Java language development, used the MySQL database, server using the ECS of ali cloud server, SMS alerts adopted ali cloud of message service interface.This system has the function of the public phone APP end: user login, registration, personal information changes, browsing and flight booking flights, hotels and attractions to visit, hotels and attractions flight reservation, beverage management view, passengers, hotels and attractions of the order to browse and order the unsubscribe unsubscribe, flight and upgrade, internal staff phone APP functions: staff login, modify personal information, online to register, view of flight, flight hours statistics, address book, sign up corresponding flight passengers add and view the information view, work logs, backend management mainly includes the function of this system:Back-end service administrator login, modify personal information, the staff to add and delete beverage, flights to add and delete, add and delete, add and delete attractions and hotels, financial management, staff appraisal, SMS alerts before departure, with the front end data interaction interface implementation.This paper gives a detailed description of the design and implementation of these functions and shows the characteristics and features of the system.

Keywords: Aviation management, public, internal staff, MySQL, aliyun ECS server, aliyun SMS interface