

酒店管理系统的设计与开发

摘 要

近年来随着各个国外品牌的大酒店入驻中国之后，以其先进的管理与服务理念以及有竞争力的价格获得了很多消费者的青睐，也给国内的各个中小型酒店带来了额外的市场竞争压力。同时随着客户的入住越来越多，提出的要求也各不相同，能否有效的管理这些客户信息以及酒店的日常运作则成为了酒店能否在激烈的市场竞争中获得长远发展的关键因素。在当前的互联网浪潮中，采用软件编程技术来实现酒店业务功能的信息化变得容易实现，这对提高酒店日常业务的运行具有极大的改善作用。

本文首先分析了酒店管理系统的研究开发背景，明确了本文的研究思路 and 方向，然后，按照软件工程项目的要求，进行了酒店行业的业务需求分析，并通过业务流程整理和问题分析，整理出系统的需求，根据分析结果进行了系统的建模，在需求分析的基础上，进行了系统的设计，包括软件应用架构设计、网络架构设计以及业务逻辑设计，其间，以面向对象的理论为基础，完成了系统数据库的建模工作，采用.NET的MVC+EF框架作为系统的主体架构，构架了一个基于WEB的酒店管理系统，系统的前台布局采用了当前较为流行的layui框架，利用Javascript、HTML、CSS等脚本语言完成了前端页面的设计。后台服务程序使用了C#语言在Visual Studio 2013集成开发环境下进行开发，采用了SQL Server 2012来作为数据库存储数据。

在本文的研究中，在系统的架构设计方面以及用户交互体验方面做了较多的工作，目标是开发出一个拓展性强、代码重用度高的系统，以便将来的拓展和维护，同时，改善传统B/S结构用户交互体验差和性能差的状况，提高系统的实用性及易用性，收到了比较好的效果。

关键词：酒店管理系统；MVC；EF；.NET

ABSTRACT

In recent years, with the arrival of foreign brands in major hotels in China, they have been favored by many consumers with their advanced management and service concepts and competitive prices, and have also brought additional markets to domestic small and medium-sized hotels. Competitive pressure. At the same time, as more and more customers stay in, the requirements are also different. Whether the customer information can be effectively managed and the daily operation of the hotel become a key factor for whether the hotel can achieve long-term development in the fierce market competition. . In the current wave of Internet, the use of software programming technology to realize the informationization of hotel business functions has become easy to realize, which has greatly improved the operation of the hotel's daily business.

This article first analyzes the research and development background of the hotel management system, and clarifies the research ideas and directions of this paper. Then, according to the requirements of the software engineering project, the business needs of the hotel industry are analyzed, and through the business process and problem analysis, System requirements, based on the results of the analysis of the system modeling, based on the needs of the analysis, the system design, including software application architecture design, network architecture design and business logic design, during which, based on the theory of object-oriented Finished the modeling work of the system database, adopted the .NET MVC+EF framework as the main framework of the system, and constructed a hotel management system based on WEB. The front layout of the system adopted the current popular layui framework, using Javascript, HTML, CSS and other scripting languages complete the design of front-end pages. The background service program uses the C# language for development in the Visual Studio 2013 integrated development environment, and uses SQL Server 2012 as a database to store data.

In the research of this paper, more work has been done on the architecture design of the system and the user interaction experience. The goal is to develop a system with strong expansion and high code reuse so that the future development and maintenance can be improved. The traditional B/S structure has poor user interaction experience and poor performance. It improves the system's practicability and ease of use and has received relatively good results.

Keywords: Hotel Management System; MVC; EF; .NET

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