Research and Realization of the Background of Freelancer System

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ABSTRACT

With the popularity of the network and the popularity of computer office, the network to bring a lot of convenience, the traditional work in the network environment has undergone great changes, more and more people to join the ranks of freelancers. So freelancer system came into being, which is based on web pages, no dedicated client can provide services for users, users publish work information and access work becomes more convenient, and they can communicate accordingly, the system administrator to manage the release of job information, then to form a stable and convenient exchange of freelance trading system. It is welcomed by many users for its ease to use which based on web and B / S architecture and developed through the most popular SSH framework. This paper introduces the development of web-based freelance system, including the use of SSH framework, MYSQL database, Eclipse development environment, the feasibility analysis of the project needs analysis as well as the detailed realization of the relevant research on Witkey website.

KEYWORDS
Freelancer, MYSQL, SSH, Witkey

1. INTRODUCTION

1.1. Background and Significance of the Project

With the popularity of the network and the computer office, the network to bring a lot of convenience to people, the traditional work in the network environment has undergone great changes, more and more workers choose to work at home, which eliminates the consumption of time and office space, and improve the efficiency of the corresponding office, and in the present, more and more people to join the ranks of freelancers.

At the same time, in the country, there has been a growing number of jobs for freelancers, similar to Witkey which is a network platform, virtual employment sites provides more and more jobs for freelancers.

But the profitability of domestic witkey website is too strong, a large number of freelancers are not recognized, so we decided to develop a free freelance Web site for freelancers to provide a better working platform for them to provide more convenient services.

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accordingly, the system administrator to manage the release of job information, then to form a stable and convenient exchange of freelance trading system.

1.2. Related Research and Survey

The Internet has changed the way of life as it is integrated into our lives. The Internet provides a better platform and more opportunities for freelancers. In this freelance system, freelancers can get a job on the web, as well as a platform for those who need to release the job information, so freelance systems are essential.

Domestic mainstream Witkey sites are: Pig Network, Witkey China, Witkey - creativity, and other sites, these sites are relatively more successful sites, but there is not the appropriate management for the release of the task, so our design Web site should strengthen the audit function, on the basis of this allows users to more easily carry out the relevant transactions and processing.

After investigating the Web site on today’s Web site, I think that our freelance system is a promising system, which is a trend of the future, and not too many people to set foot in the field, so our system will have the appropriate development in the new areas.

1.3. Introduction of Related Technologies

1.3.1. SSH Framework

SSH framework is an integrated framework of struts + spring + hibernate, which is a popular web application with an open source framework.

Integrated SSH framework of the system from the duties are divided into four layers: the presentation layer, business logic layer, data persistence layer and domain module layer to help developers to build a web applications program with clear structure, reusability, and easy maintenance in the short term.

Which uses Struts as the overall infrastructure of the system, it is responsible for the separation of MVC, controlling the business jump in the model part of Struts framework, the use of Hibernate framework to provide support for the persistence layer, the use of Spring to manage the struts and hibernate (Kewen, J., 2012). (The above content from Baidu Encyclopedia).

1.3.2. B / S Architecture

With the Internet technology generation and development, B / S structure, namely Browser / Server structure, is a variation or improvement to the C / S structure.

In this B / S structure, the user’s operation can be realized only through the browser on the World Wide Web, Part of the transaction logic in the user’s browser-side can be achieved in the system, but the main transaction logic needs to be implemented on the server side.

B / S structure using the browser technology which has growing maturity and popularity to achieve the powerful features that must be complex software can achieve in the original, but also saves development costs. This new development architecture makes it the preferred architecture for today’s application software.

Advantages of B/S model:

1. It is distributed. Front-end users can implement information query, browse and other business processing anytime in anywhere.
2. To facilitate business expansion. Increase the page can increase the server.
3. Maintenance is simple and convenient, change the page, you can synchronize updates to all users.
4. Development is simple, sharing strong

1.3.3. Database Technology

We have chosen MySQL as the database of this system for several reasons (Hanming et al., 2014):
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