Design and Implementation of Company Financial Management System based on J2EE Technology

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Abstract. In the current era of explosive information development, data has been highly valued and paid attention to by various countries and major enterprises. Big data technology can extract the most valuable information it needs from the massive data information. And to provide services for the development of enterprises, thereby improving the level of business management, which plays a very important role in the country's policies and various business activities of the enterprise. In the process of enterprise financial management, information technology in the context of the information age should be fully applied to strengthen the continuous transformation and innovation of enterprise financial management, so as to be able to meet the development needs of the enterprise and maximize the enterprise. The utilization rate of funds improves the level of corporate profit margins. This article fully analyzes the impact of the information age on corporate financial management and then proposes specific countermeasures for enterprise financial management in the information age.

Keywords: Computer, Financial Management, Design

1. Introduction

In today's information age, the use of computers is becoming more and more extensive. The realization of computer technology in the financial management of the unit will strengthen the core competitiveness of the unit, accelerate the continuous innovation of the unit and strengthen the financial management is imperative. Computer technology can improve the accuracy of unit decisions, better reduce production costs and increase profits for the unit[1]. Realize the advantages of the computer in the financial management of the unit, let the unit use the social market resources correctly, make full use of the information to continuously update and improve the financial management level of the unit. Nowadays, the market competition pressure is so great, the unit is facing more and more difficulties. Strengthening the financial management level of the unit has an important role for the unit. Next, this article focuses on the role of computers in unit financial management and its deficiencies
and suggestions. Simple exposition and analysis, some simple insights and suggestions are put forward.

2. Computer J2EE technology

The framework design of the platform system uses JSP technology. This technology is only for transmitting and receiving and displaying data. It does not need to process the data or jump to the page. Both of these contents are implemented by the business layer. It makes the division of labor between the business layer and the logic layer clear and does not interfere with each other, which can effectively improve the performance of platform applications[2]. In the process of building the platform system, the system also needs to record the user's behavior, mainly the behavior of collection and browsing and the user's interest can be calculated based on the recorded results to the next user browsing process. In this section, we recommend some content and news that users are interested in to help financial users keep abreast of the latest developments. The information service platform must process some data during construction, so as to better ensure the functional integrity of the platform and the design of the database can use SQL Server2000, so that the new financial project information can be timely in the database Perform statistics, delete and modify old financial items and effectively realize the interaction and call of related data. The platform structure is shown as figure 1.

![Figure 1. Platform structure](image)

3. Company financial management system development strategy

3.1. Change concept and increase attention to the construction of accounting information

Accounting informatization construction covers all financial activities of the enterprise, simplifies the financial management model, improves the accuracy and timeliness of financial information and can provide more valuable financial data information for enterprise management[3]. To improve the management level, increase the accuracy of unit management decision-making and prevent financial risks, enterprises should pay attention to the construction of accounting informatization, use advanced technical methods and allow financial departments to participate in unit management activities throughout the entire process of management work, Pay attention to financial management, standardize the management and supervision and control of each economic business from the source,
achieve standardized accounting, ensure the availability of funds, strengthen financial planning, ensure the efficient operation of funds, increase the usefulness of financial information and reduce decision-making risks, comprehensively improve the unit performance management level and social service efficiency.

3.2. Formulate construction plans and build an information management system platform

In the process of financial management information construction, it is very necessary to formulate corresponding construction planning goals based on the current financial management status of the unit[4]. Therefore, the financial management personnel should pay more attention to this problem in the actual work and should implement it in actual management. Formulate a clear development direction and work objectives of financial management informationization and guide financial management personnel to carry out standardized financial information management behaviors in actual work. And to promote financial management personnel to mobilize their work enthusiasm in actual work and always maintain a rigorous work attitude, improve overall work efficiency.

3.3. Improve the information system and realize the sharing of information

Within the enterprise, most of the understanding of information technology still stays as an alternative to manual bookkeeping. The financial management information system is an information platform built on the basis of information software. Not only can it not greatly strengthen the ability to process data, but it can also be analyzed and integrated. Since the entire unit shares a platform, it can also enable information to be shared within the unit[5]. This is the greater role of information technology. Therefore, for the construction of information technology, units should pay sufficient attention and from a global perspective, taking into account the unimaginable needs of different units and different institutions, systematically plan the system. The information of each department can be communicated to each other in time to prevent the distortion of information caused by insufficient communication and the duplication and invalid records of information. The structure of the information platform is shown as figure 2.

![Figure 2. Structure of the information platform](image)

3.4. Pay attention to the cultivation of information talents

To ensure sustainable development of enterprises, talent cultivation and reserve is the key. Whether
the financial information system can be fully used, in addition to the conditions of the system itself, also has a great relationship with the quality of the operator[6]. The lag in the cultivation of such talents in enterprises is also the reason why information technology cannot be effectively used. Therefore, we must increase the training of talents, put forward specific requirements for the basic qualities of financial personnel and follow-up education and training and vigorously cultivate composite talents who are only proficient in computer technology and finance and encourage financial personnel to participate in training. Accept new skills.

4. Financial management system based on J2EE

The implementation of the system uses the currently popular SSH framework (Struts + Spring + Hibernate). Among them, Struts is mainly responsible for the display of the presentation layer, Spring mainly uses its IOC and AOP to handle the control business, Hibernate is mainly the data persistence to the database. The Base package is mainly used to store the basic information required by the financial management orchestration management system, such as BaseActiont. In the entire financial management orchestration management system, other specific actions will inherit the Base package. For the exception information action in the system, the BaseException in the Base package will be used. Subsequent actions will not be renewed and will be written to your own implementation and directly inherited. The Util package mainly places the system's tool files, such as date conversion class, text format conversion class, etc. The use of the Util package will reduce the code repetition rate and improve the code compactness and neatness. The Action package is mainly used to process the action information returned by the system front end (that is, the web page) and at the same time return the completed action processing work to the front end. service This package contains all the service interfaces of the system and defines all the business logic methods used, such as the method to determine whether the user is logged in: public StaffBean chkLogin (StaffBean staff) throws BaseException. service.impl mainly places the service class in the financial management orchestration management function, which describes the realization of the floating population management business. All the structs configuration files of the system are placed in the structsConfig. The system has 10 subsystems, so there are also 10 sub- structs configuration files corresponding to the modular idea, so that each module is relatively independent and does not affect each other, making the system development more effective and standardized. The financial management orchestration management system adopts a three-layer B / S model, uses the MVC architecture and the back-end database uses MYSQL.

The system provides data communication support for the system's terminals and servers through the company's internal network and wide area network. Data communication can be achieved The financial management orchestration management system is more convenient to exchange with external data sources. The network layer mainly involves various hardware facilities and network facilities needed to ensure the normal operation of the system. The resource layer is mainly related to the management of system data storage methods, content, etc. At the same time, it contains some service resources based on system development, such as JSP, Servlet, XML, Web and so on. The service layer provides support for data exchange services and various applications. The application layer will contain various application modules required by the financial management orchestration management system of primary and secondary schools in Zhongshan City; through unified identity authentication, data coordination between various subsystems in the financial platform is guaranteed.
5. Conclusion

All in all, financial informatization is a very important work content. Only by doing this job can we lay a solid foundation for the rapid development of the enterprise. The relevant financial personnel and technical personnel must constantly optimize their working methods and summarize their work experience. So as to make the company's financial management more transparent and scientific and create good development prospects for the company.

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