

Application of New Technology of Software Engineering Based on Internet

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Abstract: With the continuous development of the Internet, software engineering technology has been applied to all aspects of people's production and life, and has obtained good results. In order to meet the diversified needs of users, it is also necessary to strengthen the research on new technology of software engineering and promote the application of new technology of software engineering. Based on this, this paper studies the application of new Internet-based software engineering technologies, firstly discusses the relevant content of new software engineering technologies, then analyzes the application of new Internet-based software engineering technologies, and finally puts forward the future development direction of new software engineering technologies, hoping that the discussion in this paper can provide certain reference for other practitioners. Do a good job of software engineering new technology research and development and application.

Keywords: Software engineering; The Internet; New technology

In theory, software technology is the common form of programming technology and computer technology, has a unique application situation, on the whole is relatively complex, more widely applicable, can make each part of the computer play its due role, is a very important function carrier. In addition, the software also needs to carry out the corresponding management and maintenance work to ensure that the software system can run normally. In the Internet era, People's Daily needs and the continuous update of software have promoted the development of software engineering technology to a certain extent. The following author will elaborate on the relevant content to promote people to have a certain understanding of the application of new software engineering technology.

1. New technology of software engineering

In the era of "Internet +", software engineering has played a very important role in promoting social development. In the face of the rapid development of information and the competition in the level of information technology in various countries, great attention should be paid to the research and development of new software engineering technologies. In the future, the mainstream trend will be the development of new software engineering technologies and related basic software. According to the current development situation of software engineering in our country, although it has made certain achievements, there is still a clear gap between it and western countries. Therefore, we should pay attention to the development of software engineering in order to keep pace with The Times and promote social development^[1]. In recent years, the speed of development of modern technology in our country becomes faster and faster, but the formation of modern technology system will have an impact on the overall development because of the lack of core literacy. At present, the research results obtained in software engineering in China are more based on foreign technology, lack of self-creativity, and there are obvious deficiencies in innovation, so the development and application of new software engineering technology will be limited. In the process of the rapid development of Internet technology, the development of society in the direction of information and intelligence, represents by promoting the development of modern technology, then we can promote the good development of society, so as to constantly improve our comprehensive strength and occupy a place in the international market. Therefore, China needs to constantly strengthen the development of new technology of software engineering, give full play to the role of new technology of software engineering, and be widely used in various fields to promote the level of science and technology in our country.

2. Application analysis of new Internet-based software engineering technologies

2.1 Analyze user requirements

In the context of the Internet, relevant data and information can be collected according to the needs of users. For example, when the needs of users are to keep the software system working stably, that is, even if massive user data is run, the system can be ensured to run stably. When analyzing user needs, it is necessary to first go through the platform and integrate customer needs with relevant information. The requirements put forward by users can be realized by software engineering development enterprises, and then the corresponding classification of user demand information is done, and the data transmission is completed in a professional way [2]. When software engineering development is carried out, a large number of professionals are required to participate in it to effectively improve product quality. For example, the topic of “a large number of active users” requires the platform to collect user activity participation in a certain area through the Internet, so as to comprehensively analyze software operation space, development and other aspects. Thus, customers can verify whether the software meets the requirements when using the software.

2.2 Development language selection

When selecting the development language, it should be based on the specific content and functional requirements, and according to the requirements of users, in-depth understanding and understanding of the functional integration degree and subsequent upgrades. On this basis, the most suitable programming language is selected in the existing programming language, and the most suitable development language is selected according to the programming design supported by the platform (such as Linux, etc.). In the process of analyzing the content of software construction, we should start from the perspective of the needs of software development at the present stage. For example, software development only improves and optimizes a certain function, without changing the original software architecture system, or carries out targeted software development work, and needs to scientifically select the development language according to the original architecture system in actual development. Only in this way can we get good development results.

2.3 Product and service innovation

If we want to optimize software engineering technology and promote software development work to be carried out well, we should play the role of government administration. Government departments should increase research efforts in software engineering technology, strengthen financial support, encourage social organizations and enterprises to actively participate in it, and constantly enhance the vitality of science and technology finance, so as to attract more capital for research on software engineering technology, promote the obvious upgrade of industry structure, and promote the future development of software engineering technology [3]. However, because of the defects of the technology itself, coupled with the differences between the use requirements and technical specifications, the software application effect and quality will be affected, which is not conducive to the development and progress of modern science and technology. Therefore, through the guidance of relevant national institutions, strengthen the research work in software engineering technology, such as controlling the application level of database resource management in the new technology of software engineering, and do a good job in network protection, so as to avoid the theft of user information and reduce the loss suffered by users when using software. In addition, we should pay attention to the future development of the software to ensure that the new technology of software engineering can be applied to social development, meet the new needs of social development, and strengthen its practicality.

2.4 Internet thinking system innovation

Internet thinking is based on the trend of the Internet and the development of network platforms, from the digital perspective to examine the event and put forward the concept. The Internet thinking is applied to software engineering, and a more reasonable method is adopted to improve the use effect of software in combination with the development trend and state of The Times. At present, when developing computer software, there is a great lack in mobilizing the enthusiasm of staff, there is no sound staff training mechanism, and there are great misunderstandings in the incentive and punishment system. From the perspective of Internet thinking, it is necessary to build an online staff training channel, use digital technology in the maintenance and management of various communication software, and produce corresponding training videos and courseware for staff training. At the same time, build online training courses, so that the online business ability of enterprises can be significantly improved, and the professional skills and work efficiency of employees can be strengthened. Promote enterprises to have a good sense of innovation. At the same time, comprehensive evaluation of employees' work performance and training assessment results is carried out to understand employees' working attitude, professional quality and management consciousness, and then combined with the performance assessment system to do a good job in performance assessment and improve the software development system.

3. Future development direction of new software engineering technology

3.1 Promote the development of industrial structure

In the software engineering industry, strengthening the protection of property rights can have a positive effect, and pay attention to the protection of property rights from the root, create a good environment for the development of new software engineering technology, and constantly improve the competitiveness of software engineering technology. First of all, optimize the investment structure, pay attention to the future development trend of new software engineering technology, adjust the technology research and development plan and program, and lay a good foundation for the development of new software engineering technology. Secondly, a software engineering technology innovation institution should be established to provide a platform for the exchange and communication of relevant technical personnel in the industry, promote technological development and realize the upgrading of industrial structure. Thirdly, the relevant government departments should attach importance to the protection of intellectual property rights, not only carry out the popularization of intellectual property rights in the industry, but also take effective measures to severely crack down on illegal acts such as intellectual property infringement, constantly improve the awareness of intellectual property rights of all subjects, and take up legal weapons to protect their legitimate rights and interests when intellectual property rights are infringed. This can also stimulate the interest and enthusiasm of enterprises in technology research and development to a certain extent. Finally, software engineering enterprises should pay attention to the law of market development, and build a more sound software management system on the basis of respecting the basic development law, so as to ensure that the software development and design are good scientific. It should be noted that if you want to ensure the good development of the software engineering field, the relevant departments of the enterprise need to supervise the quality of software development to ensure that product quality and performance can meet the application requirements.

3.2 Innovative products and services

If we want to provide a good environment for software engineering development and promote the development of technology research and development, we should give full play to the management functions of government departments. Government departments should increase their support for software engineering technology research and development, such as investing more funds in technology research and development, encouraging social organizations and enterprises to invest more capital in software engineering new technology, activating technology financing market, promoting the development of software engineering new technology industry with the power of capital, and realizing the upgrading of industrial structure. And provide more help for technological development. However, due to the deficiency of software engineering technology itself, as well as the deficiency between user needs and product safety technical standards, it will bring a huge impact on the efficiency and quality of software operation, and then have an impact on the development of modern technology. Therefore, government departments need to give full play to their own functions, guide the software engineering industry, increase the innovation of technical products, such as providing protection for the application of software engineering technology in the process of database resource management, and innovate the application and security mechanism, so as to avoid the malicious theft of user information and minimize the loss suffered by users. In addition, it is also necessary to focus on the sustainable development of the computer software ecosystem in the future, so as to ensure that the new software engineering technology can be effectively applied to the development of all aspects of society, so as to meet the development needs and make the new software engineering technology have good practicability.

Summary: With the continuous development of the Internet, information technology has become an important force to promote social progress. Nowadays, the new technology of software engineering shows the characteristics of networking, and the system becomes more open and intelligent, but there are still various problems. According to the practical application situation, the whole industry chain of software development lacks the practicability of developing new technology due to the blindness of development and the lack of perfect system, which makes its overall development level low. Therefore, it is necessary to strengthen the exploration of science and technology, and call on the government departments to do a good job in the protection of intellectual property rights, which is conducive to the adjustment of industrial structure and technological innovation, so as to adapt to the development of society, meet people's needs, and improve the ability of enterprises to compete in software technology.

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