Software project management

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Abstract:

the article gives a brief and concise explanation to the highly valuable nature of software project management .this article has been formatted ,so whether or not you are currently a software project manager,actively working on a project team , or completely in the dark about this mysterious field,this article a light refresher to the subject,and if you are deciding whether or not to delve into the field of software management,this article may help you make that significant dicision .this is an ambitious article , but not unrealistic .for the sake of practicality ,we discuss a variety of important aspects of software project management,such as, quality control and risk assessment

1.introduction:

SPM means "Software Project Management" .The object of project management software is a software engineering project. It covers the entire process of software engineering. For the success of the software project development, the key problem is to work on software project scope, may risk, need resources (people, hardware / software), to achieve the task, experienced a milestone, spend effort (cost), schedule, accomplish know fairly well. This management should begin before the technology work began, continue in the software process from concept to implementation, when the software engineering process at the end to end.

Software project management is to enable software projects can be completed smoothly according to predetermined cost, schedule, quality, analysis and management of the activities of staff (people), product (product), process (process) and project (project).

The fundamental purpose of software project management is to make software project especially large projects of the whole software life cycle from analysis, design, coding and testing, maintenance process) under the control of managers to predetermined cost on schedule, according to the quality of the completed software delivery for the user. The research of software project management in order to general principles, guiding the future development of the methods are summarized from the success or failure of the case, while avoiding the mistakes of.

2.History of Software project management

Software project management is put forward in the United States in the mid 1970s, when the U. S. Department of defense devoted to the study of the software development cannot be submitted on time, budget and quality is not up to the requirements of the user. The results showed

that 70% of the project because of the improper management rather than technical reasons. So the software developers began to pay attention to the management of software development. By the middle of 1990s, software R & D project mismanagement problems still exist. According to a survey on the implementation of the software engineering, software development is still difficult to predict, only about 10% of the project can be delivered at a predetermined cost and schedule.

In 1995, according to statistics, the United States to cancel the $81 billion of commercial software project, which 31% of the project unfinished is cancelled, 53% of the software project schedule is usually 50% longer than the time, only 9% of software projects can timely delivery and cost control within the budget.

3.Project management editor

From the perspective of software engineering, software development is mainly divided into six stages: requirements analysis, outline design, detailed design stage, phase encoding stage, testing stage, installation and maintenance. Whether it is development workshops, or team development, these six stages are indispensable. According to the actual situation of the company, the company in software project management, the focus will be planning software configuration management, project tracking and control management, software risk management and project the management four aspects contents into the software development of the stage. At the beginning of 1980s, the seven basic principles need to follow the famous software engineering expert B.W.Boehm summed up the software development and in software project management, should also follow the seven principles. They are:
(1) with the phases of the life cycle plan strict management;
(2) to review stage;
(3) the implementation of strict control of product;
(4) the use of modern design technology;
(5) the results should be able to clearly review;
(6) the development team personnel should be less;
(7) acknowledge the need for continuous improvement of software engineering practice.

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5.Acknowledgements

Thanks to my classmates and myself, I already made it.

6.Conclusion:

The report should finish with a summary to give a brief overview of what the reader should remember most .what was most important?