

1.What is SPM?

Nowadays,we are learning a new lesson in the university,that is SPM.The full name of SPM is 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 , to achieve the task, experienced a milestone, spend effort, 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 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. It is to make the project according to the scheduled cost, schedule and quality of the successful completion of analysis and management activities of the staff, product, process and 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.Why is that so important?

There are too many unpredictable software development, these unpredictable things is a potential source of risk. If the lack of good management, these unpredictable things will lead you step by step to failure; instead, through good management, reasonable avoid risk and effectively control these unpredictable things, software project will step by step with your design ideas to success, which requires us to understand what is a software project management.

With the development of the software industry become more and more mature, growing demand and function of the software, the past alone development history of the software has been in the past, now, software developers must have a complete development group in order to achieve. So management is to develop a good software prerequisites, in software development, if software development organizations can not be good definition, implementation, management and continuous improvement of the software development process, development organizations often can not from the software engineering research get desired results. So there is no certain out good management software, a successful software is not necessarily the best technology, but must have a good management behind it. And the fundamental purpose of software project management is to make software project especially large projects of the whole software from analysis, design, coding to test, maintain and so on all life cycle can under the control of managers to predetermined cost on schedule, according to the quality of the software delivered to the user.