

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 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.

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.

No project management, project is likely to succeed. But there is no management of the project, it is difficult to ensure the profitability of the project, for the company, the risk of large losses. So we must have project management, to the Surety Company in the overall profit, not every project profitability.

In addition, the project management, to improve the management of the foundation, whether at the beginning of the project management how bad, as long as the management, the possibility of improving, as can can not be improved, and the improved speed depends on two factors: one is, especially for managers at all levels; another is of interest. The key is "interest", precisely "interests", in the premise of clear, people can play a role fully. It is necessary to point out that the "interest" is diverse, here not only refers to the specific form of multiple interests, but also refers to the interest of the audience is diverse, including the relevant personnel customer personal interests.