Software Project Management

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Abstract

The object of project management software is a software engineering project. It covers the entire process of software engineering.Its purpose is to enable software projects can be completed smoothly according to predetermined cost, schedule, quality, and the staff (people), product (product), process (process) and project (project) were analysis and management activities.

Introduction

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.

History of SPM

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.By the middle of 1990s, software project management problems still exist.

Overview

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.
Seven basic principles for software development.(1) with the stages of the life cycle plan strict management; (2) to review stage; (3) under the strict control of product; (4) the modern program design technology; (5) results can clearly review; (6) the development team should less and fine; (7) admitted to continuously improve the necessity of the practice of software engineering.

Summary

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, there is a foundation to improve the management of project management, no matter how bad at the beginning, as long as the management, there is the possibility of improvement.