

# What' Software Project Management

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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 (SPM). 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 has something for you. If you're experienced, you'll find this article a light refresher to the subject, and if you're deciding whether or not to delve into the field of software project management, this article may help you make that significant decision. This is an ambitious article, but not unrealistic, and we know that software project management is a little bit of an art and involves a lot of practice. There is so much more to know than this article is able to present - however, it gives a taste of the subject and a high-level view of core components. It's not that we necessarily excluded anything from this article, but it would be unrealistic to try and cover every possible aspect in a few pages. For the sake of practicality, we discuss a variety of important aspects of software project management, such as, quality control and risk assessment.

Keywords: software engineering, project management, planning, risk assessment

## 1 Introduction

Definition:SPM is a sub-discipline of project management in which software projects are planned, monitored and controlled.

Software Project Management (SPM) is an essential tool. It enables you to manage and deliver complex projects on time and within budget. Most importantly, it enables you to create better software solutions - more reliable, scalable and efficient. This article gives a brief introduction to software project management and project management in general.

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## 2 History

In the 1970s and 1980s, the software industry grew very quickly, as computer companies quickly recognized the relatively low cost of software production compared to hardware production and circuitry. To manage new development efforts, companies applied the established project management methods, but project schedules slipped during test runs, especially when confusion occurred in the

gray zone between the user specifications and the delivered software. To be able to avoid these problems, software project management methods focused on matching user requirements to delivered products, in a method known now as the waterfall model.

## 3 Overview

Software project management refers to managing projects related to development of software. In it you manage various phases, tasks allocated to various team members to ensure that the project is completed in time and successfully. It is required so that the work is uniformly distributed and the delivery is timely so that the cost doesn't rise. The choice of project management varies with requirement.

## 4 Methods/Techniques

Interpersonal communication and conflict management and resolution.

Risk management

Requirements management

Change management

Software configuration management

Release management

### Project Management Skills

Leadership

Communications

Problem Solving

Negotiating

Influencing the Organization

Mentoring

Process and technical expertise

### 4.1 Common Mistakes

A list of common mistakes you should avoid:

1. confuse the difference between management,project management and software project management.
2. Confuse the planning of SPM
3. The fail of project.

## **5 Conclusion**

From the article above, we can obviously know that SPM is a sub-discipline of project management in which software projects are planned, monitored and controlled. We know the importance of SPM and know how to make use of it.

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## **References**

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