

Software Development Process

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Abstract

The purpose of this article is to provide an extended overview of Software development processes ,and many important issues around which such knowledge should be structured. The introductory section merely introduces the issues and the context within which the other sections discuss them. Each of the remaining sections covers one of the issues in more detail. The idea has been to provide a balanced coverage of the issues from both the manager's and the developer's perspectives.

Keywords

requirement analysis, preliminary design ,detail design,coding

1 Introduction

Software development is a complex process involving such activities as domain analysis, requirements specification, communication with the customers and end-users, designing and producing different artifacts, adopting new paradigms and technologies, evaluating and testing software products, installing and maintaining the application at the end-user's site, providing customer support, organizing end-user's training, envisioning potential upgrades and negotiating about them with the customers, and many more.

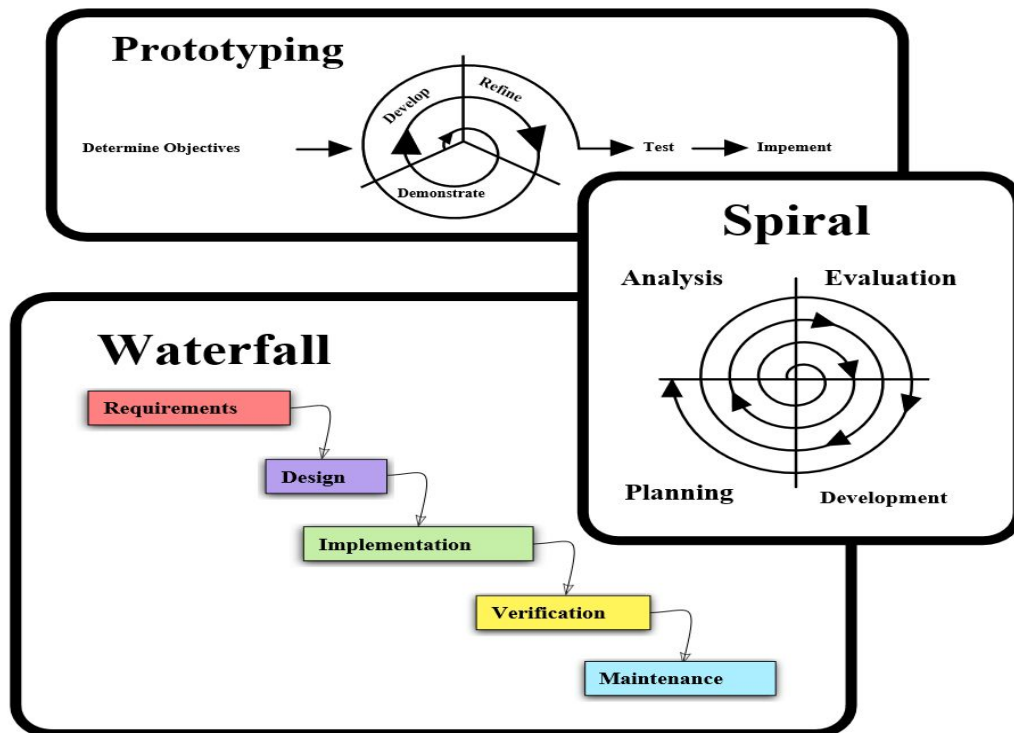
2 History of Software Development Process

The first stage, I called the wild stage. At this stage, the software industry system is still immature, there is no sound industry norms, this is a standard is not perfect, the corresponding development work is not necessarily the guiding principles to follow the stage. The second stage, I called the product stage. At this stage, the software industry system has been formed, all kinds of industry norms and laws and regulations has been perfect, software development work also has the corresponding guiding principles. The third stage, I called the platform service stage. At this stage, each manufacturer is no longer just production, but in the production of products at the same time, the packaging of their products into a platform, allows the user can rely on the platform to use the company's products, at the same time to carry out user himself to the work on the platform.

3 Overview

In a software development method process workflows are defined for use cases and roles. Use cases are represented as actions having effects, and are stored in an asset repository according to a meta model. Each use case is defined as a collaboration linked to actions, all linked to an associated effect. Refinement relationships link collaborations to actions and define what stage the project life-cycle is at.

4 Method



There are some important issues of software development processes, such as prototyping, waterfall and spiral. Thus we are going to understand the whole system of the software development process.

5 Conclusion

The fundamental purpose of software development process 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 from the user. The research of software development process 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 at the same time.

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