Abstract

The Requirement Engineering (RE) is a systemic and integrated process of eliciting, elaborating, negotiating, prioritizing, specifying, validating and managing the requirements of a system. The detailed and agreed requirements are documented and specified to serve as the basis for further system development activities. The software industry has moved from traditional software development method to service oriented software development. While many researchers and practitioners have observed issues and challenges in Requirement Engineering phase specific to a software method, very little attention has been given to investigate diversity of issues and challenges of RE in different software development methods under one umbrella. This paper tries to review significant issues and challenges of RE from traditional software development method to recent service oriented software development method. The study unveils that there is a wide scope for developing new approaches and techniques in requirement engineering to resolve problems observed in various SE methods. The review discussion reveals the need of standardization and automation of RE process especially for Service oriented software development.
A Review of Requirement Engineering Issues and Challenges in Various Software Development Methods

- Sommerville I, Software engineering. 7th Edition. Addison-Wesley, Harlow, 2004
- Leffingwell D, “Calculating your return on investment from more effective requirements management”, American Programer, 1997, 10(4), pages 13–16
A Review of Requirement Engineering Issues and Challenges in Various Software Development Methods

- A. Eberlein, F Maurer, "Requirement Engineering and Agile software development", 12th International workshop on enabling technologies, 2003
0", Technical report, Oasis, 2006
- Teko, Abelneh Y. and Condori-Fernandez, Nelly and Sapkota, Brahmananda, "A Systematic Literature Review on Service Description Methods", In 8th International
A Review of Requirement Engineering Issues and Challenges in Various Software Development Methods


Index Terms

Computer Science
Software Engineering

Keywords
Requirement Engineering  RE phase  SE methods  traditional software development  service oriented software development  automation of RE