Abstract

This research is based on software maintainability and usability in the agile environment. Maintainability of the system is the ability to undergo changes relatively easily. These changes can affect components, services, interfaces and functionality when adding or changing functions, errors, and respond to business needs. Usability is defined as the application that meets the requirements of users and consumers by providing an intuitive, easy to locate and globalize and provides good access for disabled users and leads to a good overall user experience. In the conventional method of the software development, there are many metrics to calculate the maintenance and use of software. This research is to determine whether the same measures apply to Agile, or there is a need to change some metrics used for the agile environment. The goal of software engineering is to develop good quality maintainable software in schedule and budget. Inflated software costing, delayed time frame, or not meeting quality standards express a failure. A survey suggests about 45% of software fails due to the lack of quality. It is therefore one of the most important aspects for the success of software.
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Index Terms

Computer Science Software Engineering
Keywords

Software Maintainability  software usability  agile environment  software metrics