

ABSTRACT

Software Testing is a very important part of Software Engineering; however its effectiveness is reflected on the amount of time and resources that it is spent on. To reduce the consumption of already scarce resources, software engineers have come up with a solution known as reuse. One of the most common components for reusability is the test case. However there are very few that concentrate on making a metrics standard model for test cases let alone its reusability, and the few that exists are either complex or flawed in nature, particularly when measuring all forms of test cases.

Based on previous studies done in the field of test case reusability this research focuses on creating a model for measuring test case reusability. A general template is provided by other researchers. However each research focuses on a single aspect of reusability, and does not concentrate the main criteria relevant in measuring the reusability of the test case. Hence this study proposes a model for measuring test case reusability.