

PAIRWISE TESTING APPLIED WITH ONLINE REGISTRATION

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ABSTRACT

Pair-wise Testing is a Software testing technique used for the design of test cases to test every possibilities input parameter that pair interaction together (2 way-Interaction). This resulted in a decrease in the number of test cases, time and increase percent coverage test case up to 80-100%. Every combination of valid values of these two parameters was covered by at least one test case. This research, presents decreasing the number of input parameters with In-Parameter-Order (IPO) Framework applications to online registration (Thai language) generate a test suite of all possibilities input parameters. The result is a test suite of software testing much more effective than exhaustive testing (All-pair testing) to 60-80 % and the size of test suites decreased over 1-20%.

Pair wise testing requires a major reason for software testers who lacked the skills to use the tool to decrease the number of input parameters before the testing. However, Pair wise testing is an important process in software development testing of Thailand.

KEY WORDS: PAIRWISE TESTING/ COMBINATION TESTING/ INPUT
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