Abstract

Test case prioritization techniques schedule test cases to reduce the cost of regression testing and to maximize some objective function. Test cases are prioritized such that those test cases which are more important under some criteria are executed earlier in regression testing process. The various objective functions are applicable as a metric of how rapidly faults are discovered during the testing process like rate of fault detection. Therefore, prioritization techniques are effective when implemented for specific instances. In this paper, a novel classification for test case prioritization is made which may cover every concept or measure and contribute for improvement of regression testing process.

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**Index Terms**

Computer Science  
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**Keywords**

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