Abstract

Testing guarantees the quality of software to be developed in terms of presence of errors. A difficult part of software testing entails the generation of test cases. A good test case should have the quality to cover more features of test objective. There are number of methods for test case generation. The use of a model to describe the behavior of a system is a proven and major advantage to test. In this paper, various test case generation techniques based on UML (Unified Modeling Language) are explained. The focus will be on effective use of UML techniques and test-case generation in order to make suitable executions.

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**Index Terms**

Computer Science  
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**Keywords**

Test case; test case generation; UML Diagrams