Abstract

Regression testing is used to validate the correctness of upgrades version of any program or software. The newly introduced features in the system under test are compared with the existing versions which determine the proper implementation of regression testing. The verification is done in a way that the modification made in the SUT does not interfere with the existing features, in this paper two program with new version of each are being put to regression testing with old and new test cases to check the satisfiability of regression testing. Software developers often face the challenge of projecting the difference in behaviour of one version of a program unit as compared to the upgraded one of the same program unit, for such situations, the developers need to generated test cases between the existing and upgraded version, if any exist.

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**Index Terms**

| Computer Science | Software Testing |

**Keywords**

SUT Regression Testing