Abstract

Test suite optimization is an effective method that is used to minimize or reduce the time and cost of testing. There are several researchers and software professionals have used this method or techniques to enhance the correctness and effectiveness of test suites/cases. These approaches optimize test suite for a single objective but fuzzy logic with certain algorithm is used to optimize the test cases/suites for multi objective selection processes. Therefore, in the present work an approach of optimization or minimization of test suites is proposed for the designed fuzzy object-oriented database and also applied this approach to reduce the complexity of the designed database. The main objective of our approach is to minimize and find the test suite that is best optimal for multi-objective testing.

References


Index Terms

Computer Science  Fuzzy Systems
Keywords

FOOD, Test suites, Test suites optimizations, C-Means Clustering.