Abstract

Test case prioritization involves scheduling test cases so that the performance of software testing can be improved. Thus resulting in high quality software with minimum faults and errors[12]. Therefore in this paper, model based test case prioritization using Memetic algorithm, is proposed for giving an all-purpose solution in prioritization and optimization problem which can be used efficiently. A model based testing method is introduced. This method can prioritize test case using activity diagram and genetic algorithm. The result shows that using this method with Memetic algorithm (MA) provide efficiency and accuracy for test cases [3].

References

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**Index Terms**

Computer Science Information Sciences

**Keywords**

Software testing- Genetic Algorithm (Base Algorithm), Memetic Algorithm (Derived from GA) Activity Diagram, nodes and edges, objective function, fitness function, test case, SDLC, prioritization