Abstract

This paper presents the technique to generate test cases from UML State diagram, that is based on path oriented approach. Genetic algorithm is used with stack based approach to get the optimized feasible test cases. Generated test cases are effective, efficient and optimized.
- R. E. Miller and S. Paul, "Generating conformance test Sequences for combined control and data flow of communication protocols", in Proceedings of PSTV@apos;92, pp. 13-27, 1992.
Path Oriented Test Case Generation for UML State Diagram using Genetic Algorithm

- http://www.mathcs.gordon.edu/courses/cps211/ATMExample/Statecharts.html

Index Terms

Computer Science
Software Engineering

Keywords

Test Case Generation; UML Statechart Diagram; Genetic Algorithm; Extended Finite State Machine.