Abstract

UML diagrams are vital design and modeling artifacts. These UML models can also be used to create test cases. In this approach, condition slicing is used and creates test cases from UML sequence diagrams. Test cases can be planned at design level of software development life cycle. But to visualize the system model or architecture is hard due to its bulky and complex structure. This methodology derives test cases of the computed slice using conditional predicate and it beneficial for sequence diagram containing number of messages. The proposed methodology also use the notion of model based slicing to compute the slice of the sequence diagram by extracting the desired chunk.

References

Generation of Test Cases from Sliced Sequence Diagram

Computing and Communications, pp. 60-65.

**Index Terms**

Computer Science 
Software Testing

**Keywords**

Software Testing 
Sequence diagram 
Model based slicing.