**Title of the paper:** JWalk: a tool for lazy, systematic testing of Java classes by design introspection and user interaction

**Doi:** [10.1007/s10515-007-0015-3](http://dx.doi.org/10.1007/s10515-007-0015-3)

A screenshot of a computer

Description automatically generated with medium confidenceText

Description automatically generated with medium confidenceGraphical user interface, text, application

Description automatically generated with medium confidenceGraphical user interface, application

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Figure 2 - Example of testing a stack, along with its specific critic scenarios (empty stack)

Graphical user interface, application

Description automatically generatedFigure 1 - the interface of the JUnit tool - with licence

The JWalk is a useful testing toolkit, which is installed in order to test compiled Java classes. Moreover, whenever a test class is modified or extended through subclassing, JWalk generates all the necessary new test cases for all existing methods.

The installation process is easy. It consists of several basic steps in order to configure the JWalk Client. However, to access the functionalities provided by the toolkit, a license sent directly by the Department of Computer Science, University of Sheffield is required.

In order to understand how the tool suite is being used, a user guide from the official site was followed.

In JWalk, testing is allowed for one Java class at a time. The size of the class is not important. It can test both a small class and a huge subsystem, as long as is encapsulated as a single unit. There are multiple test modalities, such as inspect modality, explore modality, and validate modality.