Umeå University
Department of Computing Science

Application Development in Java 7.5 p
5DV135

Unit Test Framework

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1.1 Compiling from Command Line

The source code for the Java application 'UnitTest' was divided into the packages 'model', 'view' and 'controller'. The class containing the 'main' method, the classes to be tested as well as the test classes where contained in the base directory (or default package). The following steps were conducted to build a jar application file:

```
mkdir build
javac -d ./build *.java controller/UnitTestController.java ./
    model/*.java view/*.java
cd build
jar cvfe UnitTest.jar UnitTestMain *.class controller/ view/ model/
```

Please not that the jar file is name 'UnitTest' while the 'main' containing class' name is 'UnitTestMain'. The source code is provided in a separate tar.gz file.

1.2 Program Usage

The 'TestUnit' application is invoked from the command line by `java -jar UnitTest`. Then the application GUI should open with a default test class 'Test1' already chosen. To run the unit tests, the user presses the button 'Run Tests' upon the output shows up in the main text area. An additional button under the main text area 'clear' can be used to empty the main text output area. The application shall be terminated by closing the main application window using the system's window close button.

2 System Description

3 Testing