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Getting started with Junit on strauss
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I've installed JUnit in
  /www/htdocs/CIS/software/dist/
The following links have helpful info:
 * http://junit.sourceforge.net/
   also at: http://www.udel.edu/CIS/software/dist/junit3.8.1/aboutJunit.html
 * http://www.junit.org
Configuring your account to work with JUnit on strauss
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Add the following to your .localenv file to set your classpath to
include the standard libraries plus the JUnit library.
setenv CLASSPATH .
if -d $JAVA_HOME/lib then
  setenv CLASSPATH $JAVA_HOME/jre/lib:$JAVA_HOME/lib:$CLASSPATH
endif
if -d $JAVA_HOME/jre/lib then
  setenv CLASSPATH $JAVA_HOME/jre/lib:$JAVA_HOME/lib:$CLASSPATH
endif
if -f /www/htdocs/CIS/software/dist/junit3.8.1/junit.jar then
 setenv CLASSPATH /www/htdocs/CIS/software/dist/junit3.8.1/junit.jar:$CLASSPATH
endif
Making sure Junit is working
JUnit contains some tests of itself to make sure it is working
properly. That is, you can "run Junit on itself"!
To run these tests, do the following:
 (1) Assuming "." is in your classpath, cd into the directory:
     cd /www/htdocs/CIS/software/dist/junit3.8.1
 (2) Run the following to see Junit at work. The graphic versions will
    show you the famous "red/green" (hopefully all green!)
   for the batch TestRunner type:
       java junit.textui.TestRunner junit.samples.AllTests
   for the graphical TestRunner type:
       java junit.awtui.TestRunner junit.samples.AllTests
   for the Swing based graphical TestRunner type:
         java junit.swingui.TestRunner junit.samples.AllTests
(This information came from the page:
http://www.udel.edu/CIS/software/dist/junit3.8.1/aboutJunit.html#Installation )
Now that it is working, go to work on your OWN tests
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The article:
 http://www.udel.edu/CIS/software/dist/junit3.8.1/doc/testinfected/testing.htm
is a good starting point.
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(This file is also available at the original site:

http://junit.sourceforge.net/doc/testinfected/testing.htm)

The classes from that article are in the "money" subdirectory.

- * The file Money.java is the class we are developing.
- * The file MoneyTest.java is the class to test the Money.java class.
- * We can run the tester by doing:
 - -- text version (the only one you can run if you aren't on an XTerm) java junit.textui.TestRunner MoneyTest
 - -- graphical awt version java junit.awtui.TestRunner MoneyTest
 - -- graphical swing version java junit.swingui.TestRunner MoneyTest

The swing version is the most interesting because you can see a list of all the tests in the MoneyTest class.

Other Resources

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Web sites (freely available)
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* JUnit Primer: http://clarkware.com/articles/JUnitPrimer.html

Written by Mike Clark, maintainer of the JUnit FAQ

* JUnit FAQ

The JUnit FAQ just mentioned.

* A Dozen Ways to get the testing bug:

http://today.java.net/pub/a/today/2004/01/22/DozenWays.html

Also by Mike Clark; a great article to read over _just before_ you sit down with an empty editor screen to start writing some code.

It shows you how to change your mindset to adopt the test-driven development way of thinking.

Books (available with an O'Reilly Safari Subscription)

* Java Extreme Programming Cookbook (Burke and Coyner O'Reilly, 2003, ISBN: 0-596-00387-0)

Has an entire chapter on using JUnit.

* Better, Faster, Lighter Java (Tate and Gehtland, O'Reilly 2004)

pp. 26-35 introduce Junit, and describe how to integrate it with Ant They also put Junit in the context of an overall strategy of "keeping it simple" when doing Java development.