



GS04: Tools and Environments

Coursework

To be handed in at MPEB 5th floor reception by noon Feb 23rd, 2009

The aim of this coursework is to develop an Eclipse plug-in that will calculate the MOOD object-oriented metrics for Java.

The metrics are defined in R. Harrison, S. J. Counsell, R. V. Nithi: *An evaluation of the MOOD set of object-oriented software metrics*. IEEE Transactions on Software Engineering 24(6):491-496. 1998.

You can obtain the article from the IEEE Digital library using <http://dx.doi.org/10.1109/32.689404> (provided that you are on the UCL network).

For the integration test of your plug-in calculate the metrics values for project that I have made available at `svn+ssh://ludgate.cs.ucl.ac.uk/cs/student/misc0/stud/mscssep/2008/repo/Coursework/trunk`

To hand in your coursework provide

- The URL of your Subversion repository into which you have checked in
 - Your commented source code,
 - Javadoc API documentation
 - unit tests
- The MOOD metrics measurements for the test data provided

There is probably a large number of Eclipse plug-ins available that perform metrics analysis. I am only interested in your one and would therefore like to remind you **of the departmental plagiarism policy available at http://www.cs.ucl.ac.uk/teaching/msccs/msccs_cwrk.html**