

CSE70: Lecture 5

- Feedback form
 - Submit in time (deadline 2pm on the day of the meeting)
 - It is part of the assignment!
 - Honest and realistic (everybody the same???)
 - What if I didn't work with xxx yyy?
- Release 1 scores
- Today
 - Midterm
 - Correction
 - Review of lab 2 task 2
 - patch
 - EclEmma
 - Metrics
 - Javadoc

Patch

- Utility program to apply *diff* file
 - *diff*: utility to find and display differences between text files
 - Applying the differences, the source is updated to the modified version
- Usage scenario
 - Updating code
 - Isn't *svn* taking care of differences already?
- Let's see an example

Metrics tools

- *Metrics*
 - Number of Classes
 - Number of Children
 - Number of Interfaces
 - Depth of Inheritance Tree (DIT)
 - Number of Overridden Methods (NORM)
 - Number of Methods (NOM)
 - Number of Fields
 - Lines of Code
 - Specialization Index
 - McCabe Cyclomatic Complexity
 - Weighted Methods per Class (WMC)
 - Lack of Cohesion of Methods (LCOM*)
- *EclEmma*
 - Coverage
- Eclipse plugins
 - Instructions on line

Javadoc

- Automatic tool for creating documentation
 - APIs
- Formatted comments → HTML documentation
 - @author, @return, ...
- E.g. <http://java.sun.com/javase/6/docs/api>
- Let's see an example

Summary

- Tools for tomorrow
 - *patch (diff)*
 - *Metrics*
 - *EclEmma*
 - *javadoc*
- Thursday
 - UML and design