

Metrics

- 1) Lines of code
 - a. Includes only lines of executable code
 - b. Monitored by Visual Studio
 - c. To try to sniff out large classes and methods and short classes
- 2) Cyclomatic complexity
 - a. The number of linearly independent paths through a program execution
 - b. Monitored by Visual Studio
 - c. Ensure that we have a reasonable number of test cases for our program
- 3) Class Coupling
 - a. Number of classes coupled to other classes within the project
 - b. Monitored by Visual Studio
 - c. Ensure that our project uses a high cohesion, low coupling approach
- 4) Maintainability Index
 - a. The maintainability index as calculated by Visual Studio
 - b. Monitored by Visual Studio
 - c. To ensure that we create easily maintainable code
- 5) Depth of Inheritance
 - a. Measures the depth of a class or method from the class diagram
 - b. Monitored by Visual Studio
 - c. To determine if there is too much indirection.
- 6) % of tests passed
 - a. The percentage of our total tests being passed at the end of each week
 - b. Monitored by NUnit
 - c. To ensure that we are meeting the goals that we set the previous week in writing tests
- 7) % of methods, classes, and tests with a description comment
 - a. The percentage of classes, methods, and tests with a comment describing what they do
 - b. Counted by hand
 - c. To ensure good code documentation