**Deliverable 2 Report**

Team Assignments:

Wai Fong – MaintainabilityIndexTest

Shrunga Malavalli – LoopingStatementCounterTest

Linh Nguyen – MethodCounterTest, MethodCounterIntegrationTest, LoopingCounterIntegrationTest

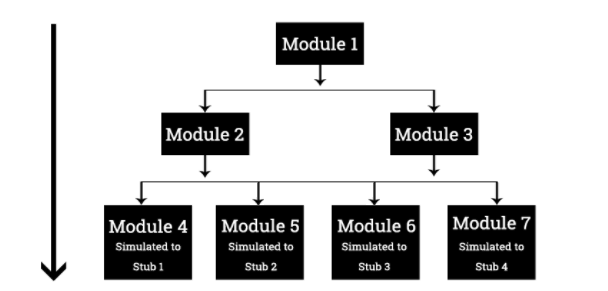
Carly Ott – HalsteadMetricsTest

Kimi Phan – CastCounterTest, ExpressionCounterTest, CastCounterIntegrationTest, ExpressionCounterIntegrationTest

Kayla Rhodes – CommentCounterTest, VariableCounterTest, DriverCode for integration tests, CommentCounterIntegrationTest, VariableCounterIntegrationTest

**Testing Framework and Strategy**

The testing framework that we chose was top down integration testing.



We picked this testing process as it seemed the most reasonable for testing this project. In the second deliverable, we started first test the overall code and started testing individual components of our code. The order that we tested our components depended on if other components depends on it. For example, the Halstead metrics depends on the expression counter so we would test the expression counter before we would test the Halstead metrics.

**Bugs discovered during un Bugs discovered during unit testing:**

MaintainabilityIndex

* In setMaintainabilityIndex(), required casting double when getting cm.
* Removed “final” from getRequiredTokens() in MaintainabilityIndex, CyclomaticComplexity, and ExecutableStatementCount because it was causing issues to JUint.

ExpressionCounter

* While testing the expressionCounter I found out that I had the token LE was in my program twice, so when I was testing each token the uniqueOperators was not incrementing correctly.
* I also found out that I was missing the operator STAR.

**Bugs discovered during integration testing:**

There were no bugs found during integration testing.

**Deliverable 2 Schedule**

Unit Testing 🡪 Due Thursday, October 18th

Integration Testing 🡪 Due Thursday, October 25th

Talk to Cai on October 26th 🡪 have him review our tests, make any need changes over the weekend

Document bugs found throughout testing process

Complete bug report between October 26th and October 28th

Google doc for report