Metrics

Percentage of Test Passed

1. This is the average of the percentage of test cases passed each week.
2. We will track this each week and keep the records in a text doc.
3. If this metric is high, it means we are meeting our goals and if it is low, we are not.
4. This will show us how production changes week to week.

Afferent Coupling

1. The number of packages that depend upon classes within the package.
2. We’ll use the Metric plugin in eclipse to track this metric.
3. If this metric is high, it indicates class independence, if it’s low dependence.
4. We can use this to tell how coupled our overall project is.

Efferent Coupling

1. The number of packages that the classes in the package depend upon.
2. We’ll use the Metric plugin in eclipse to track this metric.
3. If this metric is high, it indicates class independence, if its low dependence.
4. We can use this to tell how coupled our overall project is.

Method Lines of Code

1. Lines of code that make up the methods within the project.
2. We’ll use the Metric plugin in eclipse to track this metric.
3. This metric is a better indication of how many lines of working code that we have written. compared to just lines of code, which includes comments and headers.
4. This can be used to measure the overall size or the project and the progress each week.

Depth of Inheritance Tree

1. The maximum length of a path from a class to a root class in an inheritance structure.
2. We’ll use the Metric plugin in eclipse to track this metric.
3. The DIT can affect a lot of things like Re-Usability, Maintainability, and Portability.
4. We can use this to assess the state of the project and use the information to increase its efficiency.