**The testing process**

Testing will be carried out by running a runAllTests script from the linux command line that will walk through the testCases folder and use the specification files to execute each test case. This will be shown in an html file comparing the results to what is expected.

**Tested items**

We are testing various methods from the Tanaguru Contrast Finder software.

DistanceCalculator.java: calculate

And 4 other methods

**Testing Schedule**

The schedule for testing will follow along with the class deadlines.

**Test recording procedures**

When the testing framework is invoked, a html file will be created and opened in a browser to display the results of the tests.

**Hardware and software requirements**

The testing framework will be run from the Linux command line using Java 7. The rest will be included in the testing framework.

**Report**

After looking through both the Tanaguru Contrast Finder and STEM source code, we decided to go with Tanaguru due to STEM's extensive code dependencies.

**Test Case Specifications:**

**Test ID**

**Tested class**

**Tested method**

**Method Parameters**

**Command line**

**Expected outcomes**

calculate_1

DistanceCalculator.java

Calculate

Color(255,255,255), Color(0,0,0)

java /testCasesExecutables/calculate_1.java

255.0

calculate_2

DistanceCalcualtor.java

Calculate

Color(0,0,0), Color(255,255,255)

java /testCasesExecutables/calculate_2.java

255.0

calculate_3

DistanceCalculator.java

Calculate

Color(0,0,0), Color(0,0,0)

java /testCasesExecutables/calculate_3.java

0.0

calculate_4

DistanceCalcualtor.java

Calculate

Color(255,200,34), Color(255,255,17)

java /testCasesExecutables/calculate_4.java

54.45

calculate_5

DistanceCalcualtor.java

Calculate

Color(200,7,16), Color(57,57,57)

java /testCasesExecutables/calculate_5.java

139.77