

# **Homework #1 Software Unit Testing Frameworks**

Due: September 8

(All papers in CSE 565 must be double-spaced)

## **Part 1.** (1 page)

Perform a web search on unit testing frameworks. Provide an overview describing:

1. What is a unit testing framework?
2. How would a developer utilize a framework?
3. What benefits does a framework provide?
4. Identify 2 frameworks for further consideration (one framework must be CppUnit)  
Compare the frameworks in terms of common capabilities as well as any differences

## **Part 2.**

Download or write code to implement the binary search algorithm. Utilize a unit testing framework of your choice to test your code. Submit a copy of the code to test, the test cases generated and an output report (screen shot from the tool).

**In CSE 565, all work must be done individually unless otherwise instructed and must be original. Papers must be written in your own words (no cutting and pasting). References to all work must be cited where used in the paper and included in a bibliography at the end of the paper.**