**Light-weight Unit Test Framework**

Purpose:

Provide a simple, light-weight test framework for running unit and regression tests. This package provides:

1. Class TestBase<T> which your test drivers inherit, like this:  
    class MyTests : public TestBase<MyTests> { … }
2. Your test driver must override TestBase’s pure virtual bool test() function. That function should call doTest(&MyTests::testfunctionA) for each of the test functions in your class. The doTest function simply wraps your test in a try catch block and returns true if your test function returns true without throwing an exception. Otherwise it returns false.
3. Your test functions should return CheckResult(testPredicate, NameOfFunction) which results in the output you see on the accompanying ScreenShot.
4. It’s a good idea to have a lot of test functions each of which covers a small cohesive set of tests, so they will be easy to add to and change as the source code you are testing changes.

Jim Fawcett

CSE687-Object Oriented Design

Spring 2013