Homework Assignment 7

To: CSci 5802, All students
CC: Teaching Assistant
From: Dr. Mats Heimdahl
Date: 4/24/00
Re: Homework Assignment 7, Unit Testing

Overview
In this assignment you are required to develop test cases from a design document and the code itself. You are required to document the test cases derived from the design and then develop concrete test cases from the requirements tests as well as the tests derived from the design. The code will be available in a few days and you can construct the real test cases and scaffolding to run them all.

Your assignment
Given the time pressures in the class, we will merge the last two assignments. You will develop test cases from the design and then test the code in the same assignment.

You are required to do the following:

1. Develop black-box test cases from the design document. These are unit tests that are designed to test the individual pieces (or small groups of pieces) to make sure they work. The system testing will be taken care of by the tests derived from the requirements. The design document is available on the web page.

2. Develop test cases and scaffolding to run the unit tests developed in this assignment (as described in bullet 1). The code will be available on the web page.

3. Develop concrete (executable) test cases from the requirements test cases you developed in the previous assignment

4. Execute the test cases and fill out error reports for all successful tests (that is, all tests that reveal a fault). You shall do this both for the system tests and the unit tests.
You are required to turn in the following:

1. A test document for your unit tests (template available on the web page)
2. Printout of all scaffolding
3. Printouts of all system test input files (floppy also acceptable)
4. Bug reports for all problems with the code you may find (templates and the code will be available on the web page)

**Due Date**
*In class on Thursday, May 4.*