

# University of Utah School of Computing

CS 3500/5010

Handout 10

December 3, 2010

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## Problem Set Eight

This problem set is optional and is for supplementary problem set credit only. Any points that you earn will be applied to your total problem set score, up to the maximum total score of 800.

Your grades on three previous problem sets were based, in part, on how your program fared against a set of test cases that we provided. Specifically:

- PS 2, 50 points, part 4 of the grading rubric
- PS 3, 30 points, part 2c of the grading rubric
- PS 6, 58 points, part 2 of the grading rubric

You may be able to make up the points that you missed on this part of the grading. Here's how.

The solution `TestProjects` in the class SVN repository contains the test cases that we used for the three problem sets mentioned above. Your job is to run the test cases against your implementation, find out which cases your program fails, debug your program, and repair your mistakes.

You should submit a report detailing, for each test case:

- The name of the test case
- An explanation of the error in your program that caused it to fail the test case
- A succinct, detailed, easy to follow explanation of how to repair the error in your source code.

You will not be handing in any code; you will be handing in the report. The grader will follow your directions to repair your code, and will then rerun the tests.

This is *not* an opportunity for you to completely redo your assignments or to fill in major missing pieces. It is an opportunity for you to tell us how to make *small* modifications to your program that will make it more correct.

We will disregard bug fixes that are hard to understand, are too large, or are too complicated. All of these are subjective judgments, of course. We will also ignore bug fixes that are not described in a PDF document.

You should submit your report by committing a document called `bugfixes.pdf` to your repository. We will check it out with the command:

```
svn --username cs3500 --password ##### checkout  
    svn://lenny.eng.utah.edu/home/XXXXXXX/cs3500/ps8/trunk/bugfixes.pdf
```

It is due at 11:59 p.m. on Friday, December 10.