

# CS 215 - Fundamentals of Programming II

## Spring 2006 - Homework 7

25 points

Out: March 22, 2006

Due: March 29, 2006 (at the beginning of class, no late work accepted)

March 29 is the review day for Exam 2. We will be going over this assignment in class as part of the review. Therefore the this assignment is due at the beginning of class on that day, and no late work will be accepted.

Answer the following exercises from the textbook. When a question says “implement” just write the implementations on paper. You do not need to type the code into the computer (unless you want to, of course).

1. (2 points) Exercise 10 on pages 426-427.
2. (2 points) Exercise 11 on page 427.
3. (4 points) Exercise 20 on pages 429-430. (Hint: you may need to use additional local queues.)
4. (3 points) Write a code or pseudo-code fragment to show how you could use a stack and a queue to determine if a string is a palindrome.
5. (3 points) Exercise 16 on pages 495-496.
6. (3 points) Exercise 17 on pages 496-497.
7. (4 points) Exercise 18 on page 497.
8. (4 points) Exercise 20 on page 497.