

# CS 362, HW3

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*Due: October 12th, 2003*

*“Our greatest weariness comes from work not done” - Eric Hoffer*

1. Exercise 16.1-1
2. Exercise 16.1-4
3. Exercise 16.2-3
4. Exercise 16.2-4
5. Exercise 17.1-1
6. Exercise 17.1-2
7. Exercise 17.1-3
8. Exercise 17.2-3
9. Exercise 17.3-2
10. Exercise 17.3-7 - Make sure you *prove* that your data structure takes  $O(m)$  time on any sequence of  $m$  operations. Hint for this problem: recall that you can find the median of a set of  $n$  numbers in  $O(n)$  time (see Chapter 9)
11. Extra Credit: Problem 16-1
12. Extra Credit Problem 17-2