

Burt Rosenberg

## Midterm Review

You are responsible for three items:

1. Loop Invariants. Read the text, pages 13 and 14 and the handout “Loop Invariants”. For exercise, do the problems in the handout, the two Self-Test Exercises in the book, Chapter 1, and problems 5–7, page 42, Chapter 1, in the book.
2. Programming, records, pointers, list traversals, moving things around in lists. Read the text pages 47–55 from Chapter 2 and pages 94–121 from Chapter 3 of the text. For exercise, do problems 6–13, pages 159–160 from Chapter 3 of the text.
3. Variations of the Linked List. Look over the list types in the book and understand what they are used for, pages 126–132. You may have to design a new list type. For exercise, study “A Case Study: Maintaining an Inventory”, both the “Statement of the Inventory Problem” and “Top-Down Design of a Solution”, pages 132–149, Chapter 3 in the text.

The midterm will be Friday, 16 October, in class.