Test 2 will be Tuesday, March 31, in class. It will be closed book and notes, except for one 8.5" x 11" sheet of paper (front and back) with notes. The format of the test will be short answer (a sentence or two), reading/tracing code, and writing short sections of code (on paper).

Review topics for Test 2 are:

**Chapter 5. Lists, Loops, Validation, and More**

- Input Boxes -- as a way to gather input from the user
- List Boxes usage, properties, and methods
  - **Properties:**
    - SelectedIndex - item of selected listbox item, or -1 if no item is selected
    - SelectedItem - returns a reference to the selected item
    - Sorted - set to True if you want the List Box items to be displayed in sorted order
    - Items collection - properties and methods on collections
  - **Items Properties:**
    - Count - count of the number of items
  - **Items (Collection) Methods:** (see Table 5-1 for details)
    - Add, Clear, Contains, IndexOf, Insert, Item( ), Remove, RemoveAt
- Loops: Be able to read and write code that uses loops and deciding which type of loop to use
  - syntax and semantics of pretest and posttest Do While loops
  - syntax and semantics of pretest and posttest Do Until loops
  - syntax and semantics of For ... Next loops
  - looping concepts: infinite loop, counters, running total, user controlled loop, nested loops
- Multicolumn List Boxes, Checked List Boxes, and Combo Boxes
- Input Validation: CausesValidation property; Validating and Validated events

**Chapter 6. Procedures and Functions**

- Procedures: syntax, parameters (“formal parameters”), passing arguments (“actual parameters”), pass-by-value, pass-by-reference, local variables, static local variables
- Functions: syntax, calling, Return statement
- general idea of using procedures and functions to modularize your code