CS 121   **Lab Assignment #11**
Bruce Bolden   **20 Points**
April 2, 2015   **Due:** April 16, 2015

Objective: Write a program to hold information for a small TV show
database using a binary search tree. Specifically, the show names, years,
category, and the actor/actress names.

Program Description: One method of storing this information is to hold
the information in a tree structure. Another method of storing this infor-
mation is in a hash table. Your program is to store information in a binary
search tree based upon the TV show name or actor name (your choice).

Requirements:

1. Write functions to:
    - Display all show in the tree (only the titles!).
    - Display all actors of a given show in the tree:
      The Saint, *Newhart*, *Dexter's Laboratory*, and two others of your
      choice.
    - Display all shows of a given actor: Nancy Cartwright, Markie
      Post, Hank Azaria, Bob Denver, and two others of your choice.
    - Display all shows released between 1960 and 1970 and one other
      decade range of your choice.

2. Test your program:
    - Read TV show information from an external file (on the web).
    - Display all output in a useful manner.

Deliverables:

- Program—fully documented.

- A program design sheet. Describe all classes and methods needed to
  implement your program.

- Programming Log:

    - Record the time required to design and implement your program.
    - Record of things you encountered/learned while implementing your
      program.

- Output—proof that your program worked.

If you have any questions regarding this assignment, do not hesitate to
contact me. Start working on this assignment as soon as possible.