CS-141 Introduction to Programming

Writing an Expert System

Assignment – Part 2: Software Testing Instructions

Pick a partner in the class to work with:

1. Exchange copies of your decision trees.
2. Write your name on their decision tree paper indicating that you are the “Tester”.
3. Run their code at least once for each possible output (leaf node). To run their code, they can either give you a copy of their code on a thumb drive, or you can swap seats and run their code on their computer. Each time you run their code, check off the corresponding leaf in their decision tree. This will help you keep track of what you have tested.
4. Based on the results of running their program, answer the questions on the next page.
5. When you are done, staple together all of the following: both copies of the decision tree, both sets of answers to the questions, and paper copies of the code (your instructor may also ask for you to submit an electronic copy of your code.)

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Testing an Expert System

Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Your partner’s name (i.e. the name of the code’s author): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The program’s area of expertise: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Did your partner’s program correctly implement their decision tree? If not, what went wrong?
2. Was their program understandable and easy to use? If not, what advice would you give your partner for improving their program?
3. Is there anything that you particularly liked about their program?