CS-141 Introduction to Programming

Writing an Expert System

Assignment – Part 2: Software Testing Instructions

This is to be done on the day the assignment is due. Be sure to being a copy of your decision tree.

1. Pick another team in the class to work with.
2. Write your name on your decision tree diagram. With the other team, exchange copies of your decision trees.
3. Write your partner’s and your names on their decision tree paper and indicate that you and your partner are the “Testers”.
4. 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.
5. Based on the results of running their program, answer the questions on the next page.
6. 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.
7. On WISE, submit an electronic copy of your 2 Java classes – Main.java and your Expert system (e.g. Doctor.java). Be sure to include the name of your partner.

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Testing an Expert System

You and your partner: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The names of the team you are reviewing: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The area of expertise of the program you are reviewing: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Did the team’s program correctly implement their decision tree? If not, what went wrong?

1. Was their program understandable and easy to use? For example, was the interface well formatted, were the questions clear, was it clear how you were supposed to answer, was the output clear? If not, what advice would you give the team for improving their program?

1. Is there anything that you particularly liked about their program?