

Name _____

CPADS Lab #8
CPADS and the Quest to Test the Logic in the Holy Grail
Part 1: We Found a Witch – May We Burn Her?

You are now going to get the opportunity to be a test engineer and “break” some code. You will be testing your own program. The battery of test cases to run is located under Assignment 3 on the CPADS website. You will run those test cases against your program, logging which ones pass and which ones fail.

The collection of test cases have been assembled to be relatively exhaustive. If your program passes all of the test cases, it has an excellent chance of being complete. Here are your tasks for this exercise:

- 1) Download the test case PDF file.
- 2) Download the test case driver Python file: **MontyPythonWitchScene_testing.py**.
- 3) Place that Python file with your Assignment 3 Python Project.
- 4) Open your Assignment 3 project in **Pycharm** and then open the Python test file **MontyPythonWitchScene_testing.py**.
- 5) **TODO 1:** Copy all of the code from your program to be tested, except for the call to **main()**, in the location specified in the Python test file.
- 6) **TODO 2:** Create a function called **isSheReallyAWitch()** by placing the supplied function declaration above the TODO 9 code.
- 7) **TODO 3:** Place the supplied call to **isSheReallyAWitch()** at the new end of **main()**, before the **isSheReallyAWitch()** function definition. Make sure to delete the old prompt for “Press Enter to Exit” that now follows **isSheReallyAWitch()**
- 8) **TODO 4:** You can now choose to run your **main()** program or test your program. To run your **main()** program, enter “run” at the first prompt. To test your program, enter anything else. Now run the test program, execute all of the test cases, and record the results on the test case document: ‘P’ for PASS, if the test passes, ‘F’ for FAIL if the test fails, and ‘X’ if that function has not been implemented, does not compile, or crashes the program.
- 9) When you are done, or at the end of class if you don’t get finished, upload the modified test program to Marmoset under the **assign3test** project, and turn in your test cases document.