Deliverable 4

Experience

Since deliverable 3 we have made a vast improvement. Back when the last deliverable was due we were unable to get our driver and script to work together. Since then we have abandoned the methods we were attempting to test then, in favor of simpler methods that don't require outside classes and libraries to function. For a while we had a weird error that would return test failed on 3 test cases. We spent hours trying to fix this only to find that for some reason rewriting our test cases word for word character for character worked. I'm not sure why this worked or what caused a comparison of "false" vs "false" or "true" vs. "true" to come back as not equal. Since re-writing the suspect test cases everything has been going smoothly and out Automation Framework has been functioning as intended.

Framework

Our framework runs as such:

1. from the terminal navigate to or open a terminal in the ../2/TestAutomation directory.
2. from this directory we can run our script via the command bash runTest.sh
3. first the script navigates to ../2/TestAutomation/testcase directory, while also setting up our testRepo.html file in ../2/TestAutomation/reports
4. next the script begins filling in the html file with data collected from the testcase files.
5. our driver is then called and reads the test case file being worked on for inputs.
6. the driver then outputs to a testReport.txt file which the script then compares the output vs the oracle in the testcaseXX.txt file to determine if the test passed or failed.
7. the script repeats for as many files contained within the testCase directory.
8. finally once all test cases have been read and their reports added to the html file. the script then opens the html file for viewing.

Testcase template "testCase###.txt"

1. testCase number
2. requirement of what is being tested
3. classname.java
4. the method being tested's name

5. the input to be read by driver/script
6. the expected output (oracle)