CS 1632 – DELIVERABLE 3

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**SUMMARY:**

Most of the problems I faced, towards the beginning, were not being familiar and getting used to the new testing tools. But, once I experimented and became used to the testing tools, testing became much easier. Though, once I had my testing environment up and running, I once again ran into issues determining how to test certain values. But, once again, as I got used to the new required testing tools and experimented with different values, the problem solved itself.

**TEST EXECUTION RESULTS:**

testWelcomeText(HomepageTest): null

testUpperBounds(FactorialTest): null

testText(FactorialTest): null

testDecimal(FactorialTest): null

testUpperBounds(FibonacciTest): null

testText(FibonacciTest): null

testDecimal(FibonacciTest): null

!!! - At least one failure, see above.

**DEFECTS:**

**DESCRIPTION:** If a string value is inputted into the application, specifically the Factorial page, an internal server error occurs. According to the requirements, if a user enters an invalid value of any kind, they shall be informed that the value is 1 (e.g., "Factorial of -100 is 1!"). **REPRODUCTION STEPS:**

1. Enter the string value ‘Foo’ into the text box on the Factorial page **EXPECTED BEHAVIOR:** The application shall return and display the string “Factorial of Foo is 1!”

**OBSERVED BEHAVIOR:** The browser displays that an Internal Server Error has occurred.

**DESCRIPTION:** If a string value is inputted into the application, specifically the Fibonacci page, an internal server error occurs. According to the requirements, if a user enters an invalid value of any kind, they shall be informed that the value is 1 (e.g., "Factorial of -100 is 1!"). **REPRODUCTION STEPS:**

1. Enter the string value ‘Foo’ into the text box on the Fibonacci page **EXPECTED BEHAVIOR:** The application shall return and display the string “Fibonacci of Foo is 1!”

**OBSERVED BEHAVIOR:** The browser displays that an Internal Server Error has occurred

**DESCRIPTION:** If a decimal value is inputted into the application, specifically the Factorial page, an internal server error occurs. According to the requirements, if a user enters an invalid value of any kind, they shall be informed that the value is 1 (e.g., "Factorial of -100 is 1!"). **REPRODUCTION STEPS:**

1. Enter the value .3 into the text box on the Factorial page **EXPECTED BEHAVIOR:** The application shall return and display the string “Factorial of .3 is 1!”

**OBSERVED BEHAVIOR:** The browser displays that an Internal Server Error has occurred.