CS 1632 Deliverable 3

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https://github.com/nickdavis19/CS1632\_deliverable3

I found that starting to write the web tests is pretty difficult if you don’t have a lot of prior experience. Sometimes I had trouble finding the right functions to get the exact attribute or text from a tag in the DOM. Thinking about a webpage in terms of text and instructions was also challenging at first. We had to think, step by step, how to access the webpage, click on certain buttons, and input text. I expect that this kind of web testing wouldn’t be very difficult with some more experience. Once you know how to interact with the page, get the web elements that you need, and know what to assert against, it isn’t very challenging.

My test fibonacciTestValue35 fails because of a defect detailed in the defect report.

Traceability Matrix

|  |  |
| --- | --- |
| Requirement 1 | homepageTextTest1, homepageTextTest2 |
| Requirement 2 | hompageLinkTest1, hompageLinkTest2, hompageLinkTest3, hompageLinkTest4, hompageLinkTest5 |
| Requirement 3 | factorialTestValue12, factorialTestValue100 |
| Requirement 4 | fibonacciTestValue35, fibonacciTestValue1 |
| Requirement 5 | factorialTestValue0, fibonacciTestValue0 |
| Requirement 6 |  |
| Requirement 7 |  |
| Requirement 8 |  |
| Requirement 9 |  |
| Requirement 10 |  |

Defect Report

Summary: When a user tries to find the Fibonacci of a number larger than 30, an incorrect response is returned.

Reproduction Steps: Open up the webpage <https://cs1632ex.herokuapp.com/>. Click on the Fibonacci tab on the navigation bar. Enter in any value from 31-100 and click submit.

Expected Behavior: The tool should return the Fibonacci sequence of any number 1-100.

Observed Behavior: The Fibonacci tool works as expected for any number 1-30, but returns an invalid answer.

Impact: This makes the tool unusable for any Fibonacci number above 30.

Severity: Critical. The tool works for low numbers, but is unusable for any number above 30.

Summary:

Reproduction Steps:

Expected Behavior:

Observed Behavior:

Impact:

Severity:

Summary:

Reproduction Steps:

Expected Behavior:

Observed Behavior:

Impact:

Severity: