**Defect Report**

SUMMARY: Calculating factorial of invalid input returns an internal server error.

DESCRIPTION: Calculating the factorial of any input that contains letters or a decimal returns an internal server error instead of returning a 1.

REPRODUCTION STEPS:

1. Click on the factorial link of the page.
2. Enter in the input: “x” or enter the decimal “3.342”
3. Click submit.

EXPECTED BEHAVIOR: “Factorial of x is 1” or “Factorial of 3.342 is 1”

OBSERVED BEHAVIOR: An internal server page is displayed.

SUMMARY: Calculating Fibonacci of invalid input returns an internal server error.

DESCRIPTION: Calculating the Fibonacci of any input that contains letters or a decimal returns an internal server error instead of returning a 1.

REPRODUCTION STEPS:

1. Click on the Fibonacci link of the page.
2. Enter in the input: “dfsa” or enter the decimal “3.342”
3. Click submit.

EXPECTED BEHAVIOR: “Fibonacci of dfsa is 1!”

OBSERVED BEHAVIOR: An internal server page is displayed.

SUMMARY: Calculating Fibonacci of any number greater than 30 returns a 1.

DESCRIPTION: Calculating the Fibonacci of any number greater than 30 is supposed to return a number disregarding how long many digits it has, but instead fails and returns a 1, but the requirements state that this only applies to numbers greater than 100.

REPRODUCTION STEPS:

1. Click on the Fibonacci link of the page.
2. Enter in the input: “31”
3. Click submit.

EXPECTED BEHAVIOR: “Fibonacci of 31 is 1346269!”

OBSERVED BEHAVIOR: “Fibonacci of 31 is 1!”.

SUMMARY: Calculating Fibonacci of a number x, such that x is an integer, returns the value for the Fibonacci of “x+1”

DESCRIPTION: Calculating the Fibonacci of a number x should return the proper value for that value, but instead returns the value for the Fibonacci of “x+1.” For example, the Fibonacci for the number 9 is 34, and the Fibonacci for the number 10 is 55. If we enter in the number 9, then we get that its Fibonacci is 55.

REPRODUCTION STEPS:

1. Click on the Fibonacci link of the page.
2. Enter in the number 9.
3. Click Submit.

EXPECTED BEHAVIOR: Fibonacci of 9 is 34!

OBSERVED BEHAVIOR: Fibonacci of 9 is 55!

SUMMARY: Inputting numbers/letters after the forward slash of <https://cs1632ex.herokuapp.com/hello/> and then following those numbers and letters entering a forward slash and then following that entering some more numbers and letters leads to a page not found error.

DESCRIPTION: If we input numbers after the forward slash of the hello, add a forward slash after, and then enter in more numbers and letters we get a page not found error. The requirement specifically states that this should work with all input values.

REPRODUCTION STEPS:

1. Go to the following link: <https://cs1632ex.herokuapp.com/hello/>
2. Change the link to this: <https://cs1632ex.herokuapp.com/hello/daf3/343f>
3. Click enter.

EXPECTED BEHAVIOR: Hello CS1632, from daf3/343f!

OBSERVED BEHAVIOR: A Page not found error is displayed