



CS 1632 Software Quality Assurance

Deliverable 3

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1. Summary

Overall, not many difficulties or concerns arose when testing this application. The main issue we ran into in this assignment was the FUN-LINKS functional requirement. Difficulty was encountered during this requirement due to the dynamic nature of the website. It took a lot of trial and error for us to finally understand how to implement this test case. Looking back on our experience, we may implement additional tools and programs in the future to aid in the collaboration aspect of the deliverable. Development with Selenium IDE was cumbersome when working in pairwise groups and next time we will focus more on a streamlined development process.

2. Defects

IDENTIFIER: dEFFECT1FUNFIB

SUMMARY: 10 is not a recognized number, though it's stated be within the requirement's range.

DESCRIPTION: This defect occurs upon navigating to `cs1632.appspot.com/fib` and typing "10" into the input box, then clicking submit. We tried 1 through 9, which worked as per the requirements, but 10 does not.

REPRODUCTION STEPS:

User is connected to the internet. Steps:

1. Open your preferred internet browser (Google Chrome used by Testers) and navigate to: `cs1632.appspot.com/fib`
2. Type "10" in the input line and click Submit.

EXPECTED BEHAVIOR: Displays the string "Fibonacci of 10 is 55!".

OBSERVED BEHAVIOR:



Fibonacci of 10 is 1!

Used for CS1632 Software Quality Assurance, taught by Wonsun Ahn

IDENTIFIER: dEFECT2FUNFACT

SUMMARY: "Hello" leads to an unexpected error when typed into the input line on "cs1632.appspot.com/fact".

DESCRIPTION: This defect occurs upon navigating to "cs1632.appspot.com/fact" and typing in "Hello" and clicking Submit. Other attempts included "10.1", "&", and "'", which all trigger the same unexpected error. We believe this error would occur with any non-integer input.

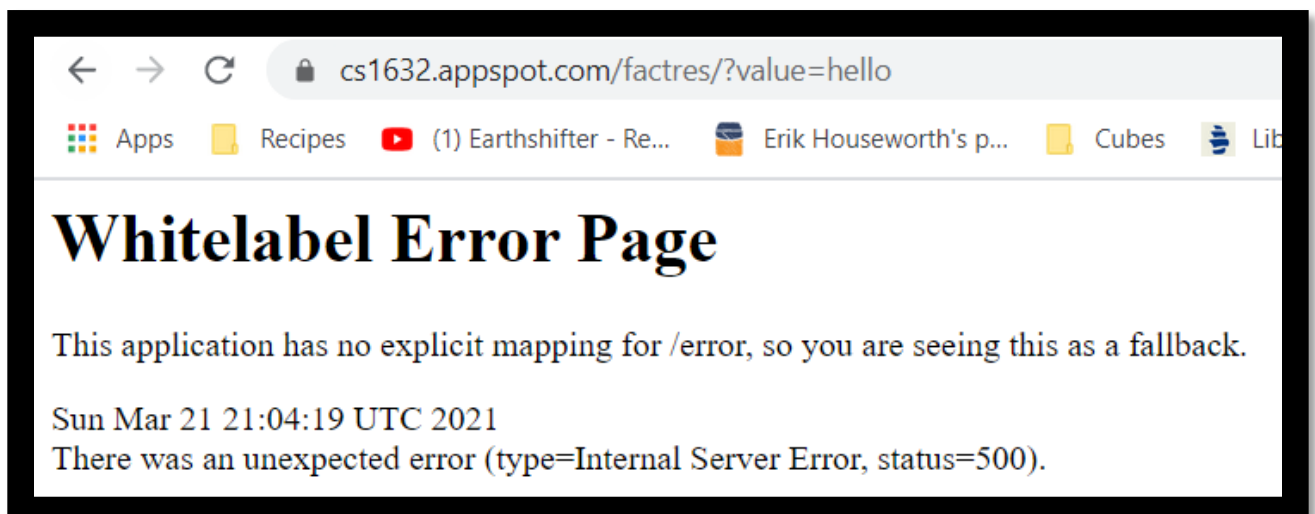
REPRODUCTION STEPS:

User is connected to the internet. Steps:

2. Open your preferred internet browser (Google Chrome used by Testers) and navigate to: cs1632.appspot.com/fact
- 3.
- 3.

EXPECTED BEHAVIOR: Displays the string "Fibonacci of -100 is 1!".

OBSERVED BEHAVIOR:



IDENTIFIER: dEFFECT3FUNHELLO

SUMMARY: "\$@#M" is not properly handled as per the requirements of FUN-HELLO-TRAILING.

DESCRIPTION: This defect occurs upon navigating to "cs1632.appspot.com/hello/\$@#M". The text displayed is "Hello CS1632, from \$@!". The displayed text arbitrarily cuts off after the "@" symbol. Other symbols not recognized during our test include "%", which leads to an HTTP Status 400 - Bad request, and "<" which cuts off the "!" at the end of the normal statement.

REPRODUCTION STEPS:

User is connected to the internet. Steps:

- 3-4. Open your preferred internet browser (Google Chrome used by Testers) and navigate to: cs1632.appspot.com/hello/\$@#M

EXPECTED BEHAVIOR: Displays the string "Hello CS1632, from \$@#M!".

OBSERVED BEHAVIOR:

