

The Boyoz Tanaguru Contrast Finder Automated Testing Framework

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Project Goals/Objectives

opened in the users browser providing details on the tests that framework for an open source application, then inject faults to After the testing was completed a results html page was to be Execution") in the command line once in the correct directory. ensure proper results are tested and printed. The testing was to be invoked by typing a single command (as seen in "Script The goal of this project was to create an automated testing were run and the results of each test. Successful tests will print a green "pass" while failed tests (due to faults or otherwise) will print a red "fail"

Tanaguru Contrast-Finder

What is Tanaguru?

- Tanaguru is an open source website assessment tool that is dedicated to enhancing web quality and accessibility. They also focus on reliability and automation.



What is this project supposed to be doing and why is it important?

Finds best contrast b/w two colors so website is readable

Test Cases

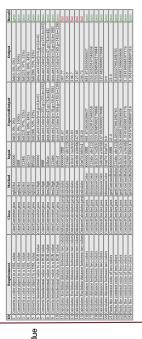
Test Case Outline: Id: Requirement: Class: Method: Input: Expected Outbut:	Example Test Case: 1 Converts a color object to a HSL vali ColorConverter.java rgb2Hsi 000000 hsl(0, 0%, 0%)
:::	

format. If it were desired that more methods were to be tested methodnameDriver.java would also need to be created along follow the format above, but this is scalable. More test cases At the end of our work we ended up with 25 test cases that could be added as long as they follow the same test case new drivers that follow our naming convention of with those test cases.

Script Execution

- 0) Be sure to be on a linux or mac machine and have a JDK version 7+ installed.
- 1) Clone the github repository to your machine (git clone <link>)
- Once you have the files on your system, navigate to the folder labeled TestAutomation (cd <directoryName>)
- 3) Run the command ./scripts/runAllTests.sh
- 4) After the script finishes executing a the results of the tests will be displayed in your browser

Results



Conclusions

new to all of us, however through team collaboration we were then wrote a script that automatically read and ran each test All in all, this project gave us valuable knowledge on how to case and outputted the result to a html file. Most of this was Tanaguru's open source code, we developed individual test able to figure out the ins and outs of testing and walk away cases and drivers for each method we wanted to test. We create and automatically run tests for software. Using with a new tool in our coding toolbox.

Additional Information

CSCI 362 02 Fall 2020 Dr. Jim Bowring