# Automated Testing Framework for the Tanaguru Contrast Finder

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### Introduction

In this project we designed and built an automated testing framework for the Tanaguru Contrast Finder

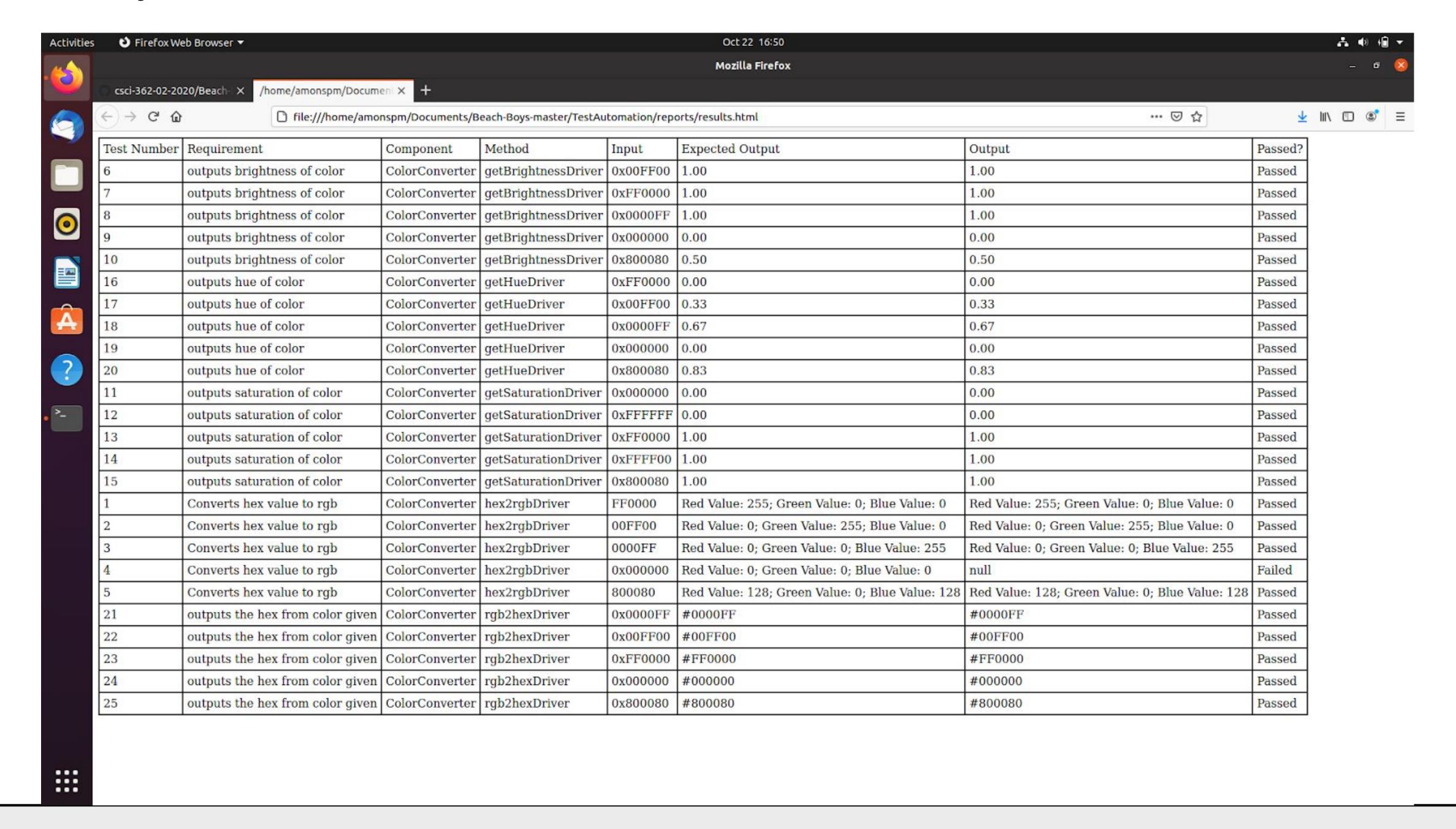


## Materials and Methods

The items used for this project were Java, GitHub, Linux and the Tanaguru team's code base.

## Results

After successfully building our automated testing framework, we effectively tested five methods in the ColorConverter.java class. These five methods were getBrightness, getSaturation, getHue, rgb2Hex and hex2Rgb. For each of these methods, we developed five test cases for a total of twenty-five tests cases. The results of each test can be seen below



# 6 lines (6 sloc) 73 Bytes 1 6 2 outputs brightness of color 3 ColorConverter 4 getBrightness 5 0x00FF00 6 1.00

## Conclusions

Working on this project was an enlightening experience that helped us to develop our testing abilities. The Tanaguru project was very interesting to work with and challenged our Java and Bash coding skills. Working on an open source project gave us better insight to the structure and methods used in a professional programming environment.

## Further information

https://github.com/csci-362-02-2020/Beach-Boys

## Acknowledgments

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