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CMSC 350

Professor Huskins

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Project 1: Calculator

|  |  |  |  |
| --- | --- | --- | --- |
| Case | Input | Expected Output | Pass / Fail |
| TC1 |  | Error | PASS |
| TC2 | 1//0 | Error | PASS |
| TC3 | 1/0 | Error | PASS |
| TC4 | (1+1)/2 | 1 | PASS |
| TC5 | 1+1 |  |  |

# Test Case 1: No input

Graphical user interface, application

Description automatically generatedGraphical user interface, application

Description automatically generated

# Test Case 2: Not enough numbers

Graphical user interface, application, Word

Description automatically generatedGraphical user interface, application, Word

Description automatically generated

# Test Case 3: Divide by 0 error

Graphical user interface, application

Description automatically generatedGraphical user interface, application, Word

Description automatically generated

# Test Case 4: Parenthesis

Graphical user interface, application, Word

Description automatically generatedText

Description automatically generated

# Test Case 5: Simple Calculation

Graphical user interface, application, Word

Description automatically generatedA picture containing text, device, meter

Description automatically generated

# What I Learned

Prior to week 2 of Data Structures and Analysis, I would have approached this with many if else statements. Through the reading and lessons, I was able to incorporate try catch statements with stacks in a variety of ways. Stacks themselves are a large concept to digest. Understanding this new concept made my life significantly easier though. This also unlocked the push and pop methods. All in all, awesome project that only added to my software engineering mindset!