**MySimpleCalculator:**

**Functional Test Plan**

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August 8, 2021

**MySimpleCalculator – Functional Test Plan**

**Test Plan Identifier**

MySimpleCalculator\_TestPlan01

**Project References**

MySimpleCalculator Test Plan 01 reflects on its SRS and previously performed test cases.

**Introduction**

This document has been prepared to address the expected functional requirements of MySimpleCalculator. This is an extremely basic math tool used for assisting in simple calculations, such as: addition, subtraction, division, and multiplication. There are no percentage, root, exponent, etc. operators available on this application, nor is data retained for the user to retrieve later. MySimpleCalculator can deal with decimals, as well as backspace one character at a time [ < ] during user input, clear just the current entry [ C ], or clear everything [ CE ] – resetting the app to baseline. Additionally, the label above the window that prints the user input is meant to track the user’s previous entry upon each execution.

This tool currently only responds to direct button interactions, i.e., users cannot type into this calculator. This application could be offered as a regulated, simple tool available to students during a mathematics examination to prevent cheating via internet enabled/user programmable graphing calculators. MySimpleCalculator is expected to be ready for full release by the end of Summer 2021. This test plan (TP01) is only concerned with direct user-interface interaction and button functionality. Future test plans would need to be created to address topics such as program installation, product integration, compatibility, etc..

**Test Items**

Calculation, execution, input, output, user interface, label

**Features to be Tested**

Addition

Subtraction

Multiplication

Division

Tracking inputs via label

Backspace

Clear

Clear All

Execute

**Feature Not to be Tested**

Integration

**Approach**

Step by step one

**Pass/Fail Criteria**

**Suspension Criteria**

**Test Deliverables**

**Testing Tasks**

**Environmental Needs**

**Responsibilities**

**Staff Training & Needs**

**Schedule**

**Risks and Contingencies**

**Approvals**