**MySimpleCalculator**

**Software Requirements Specifications**

Samantha M. Hipple

MSCS, City University of Seattle

CS504: Software Engineering

Kendra Schraml

August 1, 2021

**MySimpleCalculator Software Requirements Specification**

**1. Introduction**

***1.1 Purpose:***

The purpose of MySimpleCalculator is to provide an easy-to-use, cheat-proof, calculator software application that can be utilized by students engaged in examinations that allow the use of a basic calculator as an assistive tool. This program will be able add, subtract, divide and multiply both whole and decimal values, as well as have the ability to backspace, clear the current input, and/or clear everything (reset).

***1.2 Document Conventions:***

MySimpleCalculator will occasionally be abbreviated throughout this document as MSC.

***1.3 Intended Audience:***

Users (students & exam proctors/professors), developers, project manager, testers, stakeholders.

***1.4 Scope:***

Providing access to MySimpleCalculator during exams removes the need for students to bring their own calculators – which may be user-programmable or internet-accessible, creating access to external information sources not typically allowed during academic examinations.

***1.5 References:***

TBD

**2. General Description**

***2.1 Product Perspective:***

***2.2 Product Features:***

***2.3 User Class & Characteristics:***

***2.4 Operating Environment:***

***2.5 Constraints:***

***2.6 Assumptions & Dependencies:***

**3. System Requirements**

***3.1 Functional Requirements:***

**4. External Interface Requirements**

***4.1 User Interfaces:***

***4.2 Hardware Interfaces:***

***4.3 Communications Interfaces:***

***4.4 Software Interfaces:***

**5. Non-Functional Requirements**

***5.1 Performance Requirements:***

***5.2 Safety Requirements:***

***5.3 Security Requirements:***

***5.4 Software Quality Attributes:***

***5.5 Other Requirements:***