**REQUIREMENTS DOCUMENT**

**Date:** September 10, 2019

**Date Submitted:**

**Application Title:** Factorial Calculator

**Purpose:** Calculates the factorials of a number from 1 to 12 and displays it, and all numbers before that number.

**Program Procedures:** From a window on the screen, the user can input the number. They can press the calculate button to calculate factorials. They can then clear, or exit the window, with the “File” menu in the top left of the window.

**Algorithms, Processing,**

**And Conditions:** 1. The user enters the number.

2. The user can click the calculate button.

3. The user can click the file menu and clear all the input and text.

4. The user can exit the window with the “X” in the top right-hand corner, or click the file menu and then click the exit option.

**Notes and Restrictions:**

**Comments:**

**USE CASE DEFINITION**

1. The Windows Classic Desktop application opens.
2. The user enters the number.
3. The user clicks the Calculate button.
4. The program displays all the previous factorial and the current.
5. The user can click the file menu then the Clear option and repeat steps 2 through 4.
6. The user exits the program by clicking the “X” button in the top right of the window, or by accessing the file menu then clicking the clear option.