Documentation for a Calculator

# How the system should be used

The system should provide a graphical desktop interface, where a user can type in an integer number using a number pad, then selects a mathematical operation from the selection of addition, subtraction divination or multiplication, and is able, as soon the equal sign is pressed, to read the solution.

# Requirements

* The system must run on Microsoft Windows computers
* The system must only use system provided libraries (Windows.h) and no external libraries
* The system must provide the mathematical operations addition, subtraction, divination and multiplication
* The system must resolve negative integer numbers correctly
* The system must be able to accept chaining of mathematical operations (e.g. 1 + 1 + 1 -1 + 1 + 1)
* The system must provide a CLEAR button
* The system must provide a way of exporting your calculation history as a TXT file

# Program Structure

The program will be a combination of the following files

* Main.c
* StringHelp.c
* StringHelp.h

# Relevant functions and their signatures

#### int WINAPI WinMain(HINSTANCE hInstance, HINSTANCE hPrevInstance, LPWSTR args, int nCmdShow)

The entry point for the that the Windows API will call to launch the program. This function will contain a majority of the code, most notably the main message loop, which will keep the program running until the user decides the close the program.