**DOCUMENTATION**

**For**

**ROMAN NUMERALS CONVERTER**

This is a documentation on how this program works. When Roman numbers is entered to the input textbox and click the *Convert to Arabic button*, the converted value will display to the result window, and vice versa when the integer number is entered, once the *Convert to Roman button* is clicked the converted value is displayed.

Table A. Roman numerals and its Integer value

|  |  |
| --- | --- |
| ROMAN NUMERALS | ARABIC NUMERALS |
| I | 1 |
| V | 5 |
| X | 10 |
| L | 50 |
| C | 100 |
| D | 500 |
| M | 1000 |

Few rules for writing Roman numerals;

* Repeating up to three times represents addition of the numbers.
* Only I, X, C and M can be repeated.
* V, L and D cannot be repeated.
* Writing Roman numerals that decrease from left to right represents addition of the number.
* Writing smaller Roman numeral to the left of a larger numeral represents subtraction.

For the convenience, another feature of this program is a *Clear button,* which erases all the inputs and outputs once it’s click. The input textbox is set to focus which is ready for entering new set of *Arabic numbers* or *Roman numbers* to be converted. *Exit button* is available once it clicks, it closes the program.