Implementation Document – Robert LoCicero

**Project:**

Take in a string (from a user or a file), compute the total number of occurrences of each character in the ASCII set. Print out the top three characters (with the most occurrences). Print out how many characters in the ASCII set you didn’t detect. Then print out the string in reverse order.

**Definition of Done:**

Done is when the program is functional. There is appropriate documentation on things that need to be explained for future maintainers. Coding standards must be followed throughout the project and all test cases must be passed.

**Coding Standards**

**Naming Conventions:**

* Functions: Pascal Case
* Attributes: Pascal Case
* Methods: Pascal Case
* Local Variables: Camel Case
* Constant Variables: All Caps Snake Case

**Spacing Conventions:**

* Indentation: Single Tab
* White space between methods: Yes
* Single space between assignments and operator logic
* Single space between conditional parenthesis and internal statement
* No space between if/for statements and Parentheses with condition inside
  + If ( i = 5 );

**Unexpected Input Action:**

* Catch incorrect input and ask user to enter again

**Variables:**

* Relevant and concise variable names
* Declare variable right before it is used.

**Comments:**

* Comment header for each file
* All functions and classes commented with what they do
* Clarifying comments when code isn’t easily explainable

**Main:**

* Main gives a high level understanding of whats going on
* No Console Writes or output directly in main