**Morris-Moncada, Colin (672317) September 21st, 2020**

2MAT – EGR 222-A

# Section 1: Commenting Executive Summary

Basic expectation section lays out the basic expectations required to use comments in your code. A definition is given telling the reader that comments benefit not only the person writing the code but anyone else who also might read it as well. A subsection on class header comments is discussed telling the reader that metadata such as name, class, and assignment information should be commented out in the beginning of the class. New expectations section gives a more in-depth description of what comments to include or exclude. Method header comments to describe the purpose of each method should be done so it is easy to understand right away what it does. Omitting unnecessary details such as assumptions and implementation detail should be done as to not be excessive with comments. Knowing ones audience like in any form of writing is important when commenting. Assuming a reader knows nothing about an assignment except for a specification sheet is crucial in understanding comments. Method description comments should not be vague but also not too specific. One should focus on what the method does in addition to parameters, return values, units, and any information that one might need to use the method. Formatting section describes where comments should be place (at the same level as the thing they are commenting). This important because its easier for the reader to identify what the comment is referencing.

# Section 2: Personal Reflection

Before I transferred to Cal Baptist when I was a freshman at Cal State San Bernardino I remember my first C++ class and how awful my code looked when I did not comment it out. I would sit at my computer trying to remember what exactly I was trying to do at that point in time to no avail. During my second quarter with C++ I would be commenting but it was short comments and they were not correctly formatted. During my midterms and finals Professor Murphy would make us (the students) correctly space our code in our written final. Having to physically write comments and formatting of C++ finally got me in the habit of good formatting. From these pages I have learned to be even more detailed in my comments and to know my audience. I still find myself commenting short comments in which I can remember for myself. This does not help the professors I am writing for or anyone else who might happen to read my code. For homework assignment one I had multiple style 4 violations pertaining to my for loops. Going forward I will use more descriptive comments and quickly fix my bad habit of the multiple violations I had on my homework one assignment.