This is a general guideline for the Coding Style to be implemented in AwesomeEngine.

1. Every .cpp file should have an attached .h file
2. Inline functions are to be used when there are 2 lines or fewer.
3. Include headers in the following order:
   1. Related Headers
   2. C++ standard library headers
   3. Other library headers
   4. Your project headers
4. Place code within a namespace
5. Place a function’s variables in the narrowest scope possible
6. Avoid virtual methods in constructors
7. Avoid initialization that can fail, if you cannot signal an error
8. Use a struct for passive objects that carry data
9. Prefer small and focused functions
10. Default values are allowed on non-virtual functions, when the default is guaranteed to always have the same value.
11. Use nullptr for pointers, and \0 for chars
12. General Naming Rules
    1. Use names that describe the purpose or intent of the object
    2. Minimize the use of abbreviations that would be unknown to external readers
    3. Descriptiveness is proportional to the name’s scope of visibility. int i is okay for a 5-line function, but not 150 lines.
13. File Naming Rules
    1. All lowercase
    2. Can include underscores \_ or dashes –
14. Type names are to be done in camel case. (Eg. CamelCase)
15. Every non-obvious class declaration should be commented
16. Variable names should be self-descriptive, but include a comment if necessary
17. Pay attention to spelling
18. Refrain from using Non-ASCII characters. If needed, they should be UTF-8 formatted
19. Loops
    1. Switch statements may use braces for blocks
    2. Brace are optional for single-statement loops
    3. Empty loop bodies should use empty braces or continue
20. Pointers / References
    1. No spaces around period or arrow
    2. Pointer operators do not have trailing spaces
21. Line Length
    1. Each line of text in your code should be at most 80 characters long
22. Class Format
    1. Sections in public, protected and private, should each be indented by once space
23. Whitespace
    1. Minimize use of vertical whitespace
    2. Don’t put more than two blank lines between functions
    3. Don’t end functions in a blank line