BTG Grade Submission System

Coding Standards

Submitted by:

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1. **Naming Standards**
2. Constants and enumerated types should be ALL CAPS.
3. Class names are UpperCamelCase
4. Method, non-constant field, parameter, and local variable names are in lowerCamelCase.
5. Package names are all lower case.
6. If it only requires one object instantiation to call the methods of that class, object names should be the same as the class name but in lowerCamelCase.
7. **Formatting Standard**
8. Declarations on separate lines.
9. Indentation should be consistent.
10. Initialization and declaration should be separate.
11. Braces should follow the Kernighan and Ritchie style (“Egyptian” style)
12. Keep the length of the source lines to less than 80 characters.
13. **Best Practices**
14. Role of the objects should be commented in line with the declaration.
15. When writing conditional and iterative statements, constant values should be written first before the variables that are compared (e.g. 1 == x)
16. Comments should be written before the function stating the parameters they’ll receive, things to return, and the purpose of the function.
17. There should be consistent temporary variable names.
18. Author should comment his name as the developer of the class.
19. **Agreement**

We, members of **Unicorns of Innovation**, certify that we have formulated the aforementioned coding standards. We will adhere to these conventions we have agreed among ourselves, fully aware that there will help in producing clean, readable, maintainable, and high quality software in general. Any non-conformance to the coding standards discovered during code reviews on the year-end process audit will be dealt with in accordance to the rubrics of the Software Engineering course on software quality.

Signed,

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