**Coding Standards**

CS140 (Software Engineering I)

**MoneyTor**

Submitted by:

Trisha Jean Lim

Sonia Margarette Vidal

Joseph Gabriell Palmaras

Daniel Kenneth Sandimas

Ivan Wesley Chua

Submitted to:

Mr. Erwin Gail Sarmiento

1. Naming Conventions
2. Field, variable and function names must be in lowerCamelCase.
3. Class names must be in UpperCamelCase.
4. Array names must end with the word “List”.
5. Controllers must end with the word “Controller”.
6. Function names must start with a verb.
7. Constant variables must be in all uppercase, with underscore separators.
8. Commenting and Formatting Conventions
9. Classes must have descriptions placed above their definitions.
10. Field description must be placed to the right of the declaration.
11. Braces for control structures, classes and methods must follow the “Egyptian” style.
12. There must only be one statement per line.
13. Copyright information must be placed on top of every main HTML page.
14. Recommended Practices
15. Different file types must be placed in separate folders. i.e., js, css.
16. Useless code should be removed, not commented out.
17. HTML main pages should be divided into separate files for improved readability.
18. Return statements must use the “return” keyword.
19. “public” keywords for classes and methods must be omitted, since they are public by default in Groovy.
20. Fields should not have specified visibility, so that the Groovy compiler will generate a private field with a getter and setter.
21. The with() method should be used for updating an instance instead of using the object name as prefix repeatedly.
22. All objects can be coerced to a boolean value: everything that’s null, void, equal to zero, or empty evaluates to false, and if not, evaluates to true.

So instead of writing: if (name != null && name.length > 0) {}

Write this instead: if (name) {}

1. If the type of exception inside the try block does not have to specified, the type should be omitted, and only a variable name should be placed.
2. Instead of individually setting the fields of a new object, the default constructor should be used with specific parameters written in the sequence in which they are declared. For example: def person = new Person(name: "Obelix", age: 20)
3. AGREEMENT

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

Signed,

TRISHA JEAN CENIZA LIM

Project Leader

SONIA MARGARETTE VIDAL

Assistant Project Leader

JOSEPH GABRIELL PALMARAS

Recorder

DANIEL KENNETH SANDIMAS

Librarian

IVAN WESLEY CHUA

Configuration Manager

Noted by:

ERWIN SARMIENTO

Project Coordinator