Coding Standards Document

Project Name   :   ERP Coin

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Organisation   :   EPI-USE

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File Names

As per language coding standards
E.g. Java source files should have the .java extention and compiled files have the .class extention. PHP files have the .php extention, etc.

Files names should not contain any spaces, capital letters may only be used at the start of a file name, and where necessary underscores may be used to substitute spaces.

File Headers

All files should be accompanied by a header stating the author and describing all interfaces, functionality, as well as a basic description.

Comments

Each file should start with a comment, stating authors and a basic description of the class. Complex classes and algorithms should have comments explaining the basic functionality.

Each class, function and method should have a comment describing the author, basic functionality and interface.

Comments giving information on an instruction should appear in the same line, but after the instruction.

Comments giving information on a block of code should appear on its own line, before the block.

Indentation

A tab character should be used for indentation.

Indentation is used for any sub-code, for example all code within a class should be indented, all code in a loop should be indented, and all code in a function should be indented. Indentation should not be used otherwise.

Line length and Wrapping lines

Lines should not contain lines relatively longer than the average of the rest of the code.

If lines are too long it should be wrapped and indented to avoid confusion, preferrably after a comma or before an operator.

Lines should contain one instruction only, new instructions should start on a new line.

Declarations

One declaration per line, with an accompanying comment to describe the variable is used.

Variables are initialized when they are declared.

Declarations are only put at the very beginning of blocks or classes.

Blank Lines

Blank lines should be used extensively to increase readability.

Blank lines must be used between sections of a file, between classes and definitions, between methods, before a block or a single-line comment, and between complex sections to improve readability.

Blank Spaces

Blank spaces should be used before and after all operators, before and after parenthesis (except in a function call), after commas, and anywhere else where the author feels readability can be improved, without sacrificing functionality.

Naming Conventions

Class names should be nouns, and the first letter must be Capitalized, together with the first accompanying word, without using spaces.

Method names should be verbs, and start with a lower case letter, only capitalizing the first letter of the following words, without using spaces.

Variable names should use the same convention as Methods in terms of capitalization. Underscores may be used to substitute a space.

Constant names and variables should be in all capital letters.