CODING STANDARDS

**I. Initialization**

* When declaring variables it does not need to be initialized

**II. Naming**

* Camel casing
* Use of underscore "\_"
* Variable names should be related to the algorithm
* Reuse of variable names is not desirable
* Never use single letter for variable names, except for loops
* Don't abbreviate words

**III. Style**

* Use of indention
* Proper use of brackets and parentheses

**IV. Documentation**

* Comment on a variable declaration to know its use
* Comment the details of what the function does
* More detailed document, the better

**V. Program Design**

* Create separate listeners
* Avoid the use of complex structures (Ex. 3-dimensional arrays)
* Avoid declaring methods/variables as public
* Use layouts as much as possible

**VI. Testing**

* Test the program after finishing some functions
* Fix bugs after it has been detected
* Write test cases

**VII. Choice of Language**

* Front-end
  + HTML
  + CSS
  + JavaScript
* Back-end
  + PHP
  + MySQL