

# Coding Standards

## ■ General

- Declare variables at the top of classes
- Use singular names for enumerations
- Always use access modifiers

## ■ Spacing

- Do
  - Use a space after commas
  - Use a space after operators
  - Use a single tab
- Do not
  - Use a space before/after parenthesis and brackets
  - Use a space after method name
  - Use spaces instead of a single tab
  - Insert multiple blank lines between blocks

## ■ Naming

- General
  - Do not use underscores
  - Use camelCasing
  - Begin with lower case
  - Do not use abbreviations unless absolutely necessary
- Variables
  - Use smart names that describe the use for the variable
  - Do not use single letters (i, j, etc.)
- Methods
  - Begin with helping verb (do, set, get, is, etc.) in child classes
    - Base name on return type and basic function
  - Use descriptive and unique names

## ■ Bracing

- Do
  - Use braces for every block, even single lines
    - This includes for, while, do, if, etc.
  - Keep braces on their own line
- Do not
  - Use a closing brace after a blank line

## ■ Single line blocks

- Only use a single line block for a single statement
- Always use curly braces

## ■ Commenting

- Do
  - Write comments on a separate line
  - Use #region to section methods/classes
  - Explain the why, not that how or what
- Do not
  - Comment everything
  - Use large "flower boxes"