

# Class Needs

## Style Document

### Python Style Guide

#### Code Layout:

- Maximum line length is 120 symbols
- 2 indents between classes and functions
- No whitespace inside parentheses, brackets, or braces.
  - # Good
    - `spam(ham[1], {eggs: 2}, [])`
    -
  - # Bad
    - `spam( ham[ 1 ], { eggs: 2 }, )`
- Surround operators with single whitespace on either side.
  - # Good
    - `x == 1`
    -
  - # Bad
    - `x<1`

### Naming:

- Use snake\_case for modules, variables, attributes, functions, and method names, not CamelCase
  - Variable\_name = "something"
- Use CamelCase for class names and fabrics
  - FunctionName()

### Formatting:

- Always start a new block on a new line
  - # Good
  - if flag:
  - return None
  - 
  - # Bad
  - if flag: return None

### Comments:

- Describe complex, possibly incomprehensible points and side effects in the comments
- Separate comments and # with a whitespace
  - # good comment
  - 
  - #bad comment

### Avoid:

- global variables
- nested functions, they are hard to test and debug.
- Complex code without comments
- Left overs from code debugging

# HTML Style Guide

## Coding Conventions:

- Close All HTML Elements
- Always Quote Attribute Values
  - 1.Quoted values are easier to read
  - 2.Developers normally quote attribute values
  - 3.You MUST use quotes if the value contains spaces
- Always Specify alt, width, and height for Images
  - 1.Alt is important if the image for some reason cannot be displayed.
  - 2.The browser can reserve space for the image before loading when setting size for images.
- Spaces and Equal Signs

space-less is easier to read and groups entities better together.
- Avoid Long Code Lines
- Blank Lines and Indentation

For readability, add blank lines to separate large or logical code blocks.

For readability, add two spaces of indentation. Do not use the tab key.

## Naming:

- Use Lowercase Element Names
  - 1.Mixing uppercase and lowercase names looks bad

2. Lowercase looks cleaner

3. Developers normally use lowercase names

- Use Lowercase Attribute Names

1. Mixing uppercase and lowercase names looks bad

2. Developers normally use lowercase names

3. Lowercase are easier to write

