

## Coding Style Guide

For all languages:

- Indent with one tab character.
- Place comments in line above the relevant code.
- Line limit: 100 characters

Javascript:

- Avoid numbers in variable names, with some exceptions for keeping track of sequential or closely related variables.
- Use camelCase for function and variables names.
- Provide an explanation of each function above the function header. Explain its general purpose. Also include descriptions of parameters and return values.

- example

```
/*  
 * Description:  
 * Inputs:  
 * Outputs:  
 */  
My function {  
    ...  
}
```

- Put related functions close to each other.
- Wait for GET and POST requests to complete before changing data.
- Open brackets should be at the end of the line rather than on a new line.
- Closing brackets should be on a new line.

HTML:

- Use all lowercase for tags and attributes.
- Close all elements (end with </tag>). Closing tag on its own line.

```
<div>
```

```
    Hello world
```

```
</div>
```

- Limit image sizes to not exceed the size of the element containing them, such as with "width" and "height" attributes.
- Html comments are to be written on its own line

- Order html attributes by id, href, class, src, style, etc.

```
<div id="" href="" class="" src="" style="">
  ←hello my comment here→
  Hello world
</div>
```

CSS:

- Each property declaration should be on a separate line.
- Put a space after a colon in a property declaration.
- Put a space before open brackets.
- If anything will not work on older browsers, provide a fallback style.
- Use hex color codes, unless another system (e.g. rgb) is necessary.
  - Comment inline english color
- Use double quotes
- Selector names should be all lowercase, with hyphens to separate words.
- Related selectors should be written near each other
- Write short comments above the selector regarding what it applies to
 

```
/* this is a comment about where this style is applied */
Style-name {
  Color: #ffffff; /* White */
  Font: Times New Roman;
}
```