Marketo Live Documentation Standard

# JavaScript

The JSDoc standard will govern the way that code documentation will be formatted and generated:

<http://usejsdoc.org/>

**sample.js:**

/\*\*

\* This is a description of the module as a whole. Explain what it does, where it is

\* used, and at a high level, how it works.

\*

\* @namespace

\*/

var MODULE = {

/\*\*

\* This is a description of the Class object. Explain what it does, where

\* it is used, and at a high level, how it works.

\*

\* @class

\* @augments Parent <-- name of parent class

\*/

function Class() {

/\*\*

\* This is a function definition. Explain what it does.

\*

\* @param {type} x - What x is and where it should come from.

\* @param {type} y - What y is and where it should come from.

\* @param {type} z - What z is and where it should come from.

\* @returns {type} - Describe the return value of the function and

\* what it should be used for.

\*/

function foo(x, y, z) {

/\* This is a block comment explaining an esoteric piece of code.

Explain the purpose of the code along with any relevant external

documentation. See www.jsf\*\*k.com - replace asterisks.

\*/

return [+!+[]]+[+[]];

}

}

// This is a sinle line comment.

Class.prototype = new Parent();

/\*\*

\* This is a function definition for a method that overrides its parent. Explain what it does.

\*

\* @override

\* @returns {type} - Describe the return value of the function and

\* what it should be used for.

\*/

Class.prototype.bar = function() {

}

}();

# JavaScript Performance Best Practices

**Only use ‘var’ once per scope:**

This code:

var current\_url = location.href;

var url\_cnt = current\_url.split('/');

var domain = url\_cnt[2];

var url\_cnt\_s = current\_url.split('#');

var url\_len\_s = url\_cnt\_s.length;

var domain\_s\_1 = url\_cnt\_s[0];

var domain\_s\_2 = url\_cnt\_s[1];

Should become:

var current\_url = location.href,

url\_cnt = current\_url.split('/'),

domain = url\_cnt[2],

url\_cnt\_s = current\_url.split('#'),

url\_len\_s = url\_cnt\_s.length,

domain\_s\_1 = url\_cnt\_s[0],

domain\_s\_2 = url\_cnt\_s[1];

**Use function expressions instead of function declarations:**

This code:

function setCookie(cname, cvalue, exdays, domain){}

Should become:

var setCookie = function(cname, cvalue, exdays, domain){}; // Assuming var wasn’t already used within this scope