**KDeals Documentation Standards**

**File Naming**

All files will be given an appropriate name that is both descriptive and short.

**Formatting**

**Braces**

Braces must be used for all if, else, for, do, while, and switch control structures. The exception to this is you may have an if statement on one line if it is only calling a return statement.

Example:

for (args...) {

doSomething();

}

Illegal:

for (args…)

doSomething();

if (condition) doSomething();

Exception:

if (condition) return;

**Line Breaks**

There must never be a line break after the declaration of a control structure or function.

Example:

while (condition) {

doSomething();

}

Illegal:

while (condition)

{

doSomething();

}

**Manual Initialization of Arrays and Objects**

Arrays and objects may be initialized with values on the same line or on different lines. If there are too many values to initialize the values will be broken up at the programmer’s discretion.

Example:

var a = [0, 1, 2, 3];

var a = {

field1: 0,

field2: 1

};

Try to Avoid:

var a = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20…. Etc.];

**Variable Declaration**

All variables will be declared using ‘var’. All constants will be declared using ‘const’.

Example:

var a;

var a = 5;

const a = 2;

Illegal:

let a;

let a = 1;

**Classes**

Classes will be declared using the ‘function’ method. One should not use ‘class’ to declare a class. All methods involved in a class will be attached to the function using the ‘prototype’ method. All classes should be in their own file with the same name as their class. All classes must begin with a capital letter.

Example (in file called ‘Example.js’):

function Example (params…) {

this.field = 1;

this.field1 = 2;

this.doSomething();

}

Example.prototype.doSomething = function(args…) {

//something happens in the function

}

Illegal:

class Example {

constructor() {

this.field = 1;

}

doSomething(args…) {

//does something

}

}

**Column Limit**

No line of code should be longer than 80 characters. Line wrapping will be used for lines longer than 80 characters. Lines should be wrapped at appropriate places so that no statements are broken up on the line. All documentation on column limits is a recommendation rather than an absolute rule. Discretion should be used to make the code as readable as possible.

Example:

currentEstimate =

calc(currentEstimate + x \* currentEstimate) /

2.0f;

Discouraged:

currentEstimate = calc(currentEstimate + x \*

currentEstimate) / 2.0f;

**JSDoc**

Use the IDE’s auto implementation of JSDoc for every function.