

# CMSI 370-01

## INTERACTION DESIGN

Fall 2014

### Assignment I204a Feedback

This feedback is effectively a code review; to keep it concise, notes are provided as a numbered list. Inline comments in your code illustrate an example of the numbered item (there may be more). Asterisks (\*) denote high-priority issues. If any code review item is unclear or if the resulting proficiencies are not self-explanatory, please ask me.

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1. Published, but not viewable (external technical issue so does not count)
2. Inappropriate assumption—note in `setDrawingArea` that we can actually accept *any* jQuery collection of elements for conversion into a “drawing area.” Thus this variable is tantamount to a hardcode... a different approach will need to be taken here for full reusability. (3a, 4a, 4b)
3. Inconsistent or inappropriate spacing (4c)
4. This variable acts as a template and is therefore effectively a constant—ideally its name should be all caps to indicate that role (4c)
5. Inconsistent indentation: The way the attributes are presented, they are indented one level past where the variable *name* starts. Thus, the closing delimiters should be aligned with the *name* and not the `var` keyword. (4c)
6. Better done as a class rather than a direct attribute—this way, if you decide to change the appearance of the element, you just edit the CSS file without touching the JavaScript (3a, 4a, 4b)
7. And so notice here also that if you follow #6, then *this* line would be more semantic, checking to see if the box has the class that marks it for deletion...what you have here is very fragile, to have a piece of program logic relying on how something *looks* (3a, 4a, 4b)
8. Use of `==` rather than `===` (4a)
9. No `touches` cleanup—if the `endDrag` is called because a box *creation* operation has concluded, you don’t have any code that cleans up that box from your `touches` data structure...that’s a memory leak (4a)
10. Function statement rather than variable declaration—you’ve already wrapped this code inside a function with its own local variables, so why not declare it as a local variable at the top? (4c)
11. Opportunity for consolidation: this entire function can be rewritten as a single `return` statement with a conditional expression (4b, 4c)
12. Once a box is marked for deletion, this cannot be undone even if the box is returned within bounds (2b, 4a)

2b — |

3a — |

3b — |

4a — |

4b — |

4c — |

4d — |

4e — +

4f — +