

CMSI 370

INTERACTION DESIGN

Fall 2010

Assignment I005

This assignment switches to some implementation, whether you like it or not :)

Not for Submission

By September 23

1. Shore up the material from the last few weeks with the following readings:
 - Chapters 4 and 5 in Nielsen.
 - Chapter 2 in Norman.
2. Fork off your own copy of the sample code on GitHub so that you have online examples and some room to experiment.

By the weekend of September 25–26

3. Create and commit stubs for your facsimiles, even if they're just standard HTML5 and CSS3 “starter stubs.” This will allow you to ask questions on September 28 regarding issues that you might have encountered.

By September 30

4. Have the facsimiles mostly done, so that you can ask questions in class if you get stuck with something, and you can fix any remaining issues (or add final flourishes) over the weekend.

For Submission

Choose one sufficiently complex, self-contained user interface display each from a native desktop application (Windows, Mac OS X, Linux) and a native “other” application (Android, iOS, PS3, Xbox 360), for a total of two (2) displays, and make the closest possible facsimiles of them that you can manage (look, layout) in HTML5/CSS3. While there are no hard rules for “sufficient complexity,” these characteristics can serve as a guide:

- At least four (4) distinct types of components (i.e., labels, buttons, text fields, check boxes, etc.),
- At least ten (10) actual component instances,
- Genuine 2-dimensional layout (i.e., no toolbars or simple lists)
- Multipanel interface (i.e., tabs, master-detail, etc.)

Good candidates include: preference or configuration dialogs; non-trivial data entry windows; property windows; instrumentation displays. When in doubt, show me the interface and I can tell you if it's complex enough.

Your facsimiles must conform and validate to the latest web standards (HTML5, CSS3), except in cases where browser-specific CSS3 property names are unavoidable.

You may use the jQuery and/or jQuery UI libraries to make life easier, but for now, you do not need to write JavaScript code beyond what is needed to use those libraries.

Include a screenshot of the display that you tried to copy in each facsimile's top-level directory and link to it from somewhere in your web facsimile.

How to Turn it In

1. Commit/work on your facsimile under different subdirectories within an overall *homework/cmsi370/websimile* directory.
2. Publish the final version of your “websimiles” on your Keck lab-provided home sites. The URL parent of your websimiles should be:

```
http://www.cs.lmu.edu/~username/cmsi370/  
fall2010/websimile
```
3. This is how I will retrieve and run your work:
 - Visit the published version of your webfacsimiles under the above URL
 - Have W3C's validators scan your HTML5 and CSS3 files
 - Checkout *websimile* from version control
 - Make comments/mark up and commit the versioned copies of your files