

CMSI 370

INTERACTION DESIGN

Fall 2008

Assignment I030b

To round out the work due on October 30, we're adding a few exercises in XHTML/CSS/JavaScript plus adding a beefier task dealing with user interface code from a bona fide open source project.

For Submission

XHTML/CSS/JavaScript Exercises

Implement a web page that exhibits the following interaction behaviors:

- A “menu bar” with “pull down menus” that appear when the user clicks on an “item” in that menu bar.
- A check box that toggles when its label is clicked.
- A set of radio buttons that are selected when their respective labels are clicked.

Implement your page as a coordinated XHTML, CSS, and JavaScript file. The only inline JavaScript in the XHTML file that you are allowed to have is code that connects the relevant XHTML elements to their appropriate event handlers.

How to Turn it In

Commit your web files under *homework/cmsi370/webmenus*, and upload them to your Keck lab user sites so that the page can be accessed through the URL *http://www.cs.lmu.edu/~username/webmenus*.

Extra Credit (3x)

Swing User Interface Critique & Repair

Download the latest version of *GenMAPP Builder* from the XMLPipeDB project on SourceForge (<http://sourceforge.net/projects/xmlpipedb>). Upon running that application, examine the dialogs that you see when invoking the following menu items, and fix at least one of the user interface problems that you identify in these dialogs:

- *File > Configure Database...*
- *File > Import UniProtDB XML File...*
- *File > Import GO XML File...*

This task nets you a triple extra credit for good reason, as it involves serious user interface work with some potentially real and lasting impact.

If you'd like to give this a try, let me know so that I can walk you through some of the code. If your fix passes muster, you'll get to commit your work to SourceForge.