CMSI 370-01
INTERACTION DESIGN
Fall 2013

Assignment 1114

OK, back to the code gang. This time themed around the direct manipulation interaction style, of course.

Outcomes

This assignment will affect your proficiency measures for outcomes *3a–3d* and *4a–4f*.

Background Reading

Textbook reading is centered on the direct manipulation interaction style, which would be Shneiderman/Plaisant Chapter 5.

For the programming assignments, the most helpful additional material outside of the web and the *bazaar* code will be the case studies in Chapter 9 of the JavaScript textbook. These case studies demonstrate lower-level event handling with some direct manipulation elements.

For Submission

Direct Manipulation Exercise

This exercise gives you some firsthand experience in implementing direct manipulation. To do this, you will need ready access to a device with a multitouch web browser. If you have your own device, then great; if not, we can arrange for you to check one out from the Keck lab.

Modify the *boxes-touch* bazaar code so that it supports *creation* and *deletion*, allowing for more than one action at a time (one per finger). You should, of course, preserve the box-moving functionality that is already present in the web page. For deletion, provide visual feedback that a box will be deleted when the user's finger is lifted.

How to Turn it In

Commit a *copy* of your modified code under *direct-manipulation* in your private 370 GitHub repository (i.e., *don't* make the changes in place and issue a pull request), and upload your work to *my.cs.lmu.edu* so that it is available under the path *~username/cmsi370/direct-manipulation*.