CMSI 370
INTERACTION DESIGN
Fall 2006

Assignment 1130 + Heads Up on End-of-Semester Work

Over Thanksgiving break, we'll put some last touches on your *fullswing* application, and get you started for some of the closing work for the semester: your design poster (currently due December 5) and your programming portfolio (due December 12).

Not for Submission (Yet)

- Start working on your design posters. Those are currently due on December 5, which is the Tuesday after this assignment is due. Set yourselves up so that you spend that weekend mainly doing finishing touches.

  For your design poster, you may choose a "posterized" version of either Assignment 0921 or Assignment 1003. Clean up your diagrams, polish your text, and lay it out in some attractive, readable fashion.

- Technically, you've been working on your programming portfolio all this time. This will consist of your final, "best possible" versions of *fullswing*, *dataentry*, and one of your Swing *facsimile* programs. Take some time to go back to that code and refactor, improve, or refine it. While you're working on *fullswing* for these next two weeks, keep an eye out not only for the specific changes that you're asked to make for this assignment, but also for improvements that you can make to the overall design, naming, comments, or functionality of your application. This includes but is not limited to:

  - Proper separation of concerns (MVC, packaging, code dependencies, etc.)

  - Thorough documentation (well-written Javadoc, at the very least)

  - Appropriate separation of resources (strings, images, other data if applicable)

  - Full-fledged user interface: menus, keyboard shortcuts, effective layout, correct enabling/ disabling of controls, tooltips…the works

  When you're done (no need to panic yet — you still have until December 12), you'll simply commit the portfolio versions of these programs to CVS, and tag them as *portfolio*.

For Submission

Add drag-and-drop functionality to appropriate sections of your *fullswing* application. At a minimum, you must imbue your custom component with some kind of meaningful drag-and-drop function, whether it's within the component alone, or inter-component. If applicable, turn on the "easy" drag-and-drop functions for some of Swing's components too, or maybe override/enhance the default drag-and-drop behavior.

Commit your new version of *fullswing* to CVS, under the same location */homework/cmsi370/fullswing*. Tag the submission as *hw-1130*.

Extra Credit

You'll get extra credit if you implement undo/redo in your application. It doesn't matter if you use the undo/redo framework provided by the Shag GUI library, or use the *javax.swing.undo* package, or implement your own framework. Just allow the user to undo their actions when appropriate.