CMSI 370
INTERACTION DESIGN
Fall 2010

Midterm Review Sheet

The midterm will take place, as scheduled, on October 12. It will be open everything: book, notes, handouts, and computer. As such, we'll hold the midterm in the Keck lab.

Covered Material

The midterm covers the following areas, including all handouts and sample code that have been distributed in support of this content:

- Chapters 1 and 2 in Shneiderman/Plaisant
- Chapters 2, 4, and 5 in Nielsen
- Chapters 1 and 2 in Norman
- HTML5 and CSS topics
  ‣ Structure and syntax of a valid HTML5 web page; important elements and attributes
  ‣ CSS setup, selectors, properties, validation
  ‣ CSS layout properties, and how to achieve different display presentations and arrangements using them
  ‣ Rudimentary use of JavaScript libraries such as jQuery and jQuery UI
  ‣ Ability to look up new or supplementary information on any of the above

Sample Tasks and Questions

The following represent the types of questions or tasks that you may be asked to accomplish:

- Relate a given case and/or situation to the overall interaction design picture of a developer's mental model matching the user's mental model through successful design of the system's image
- Prioritize the five usability metrics for certain categories of systems
- Analyze and/or evaluate a given situation or interaction design based on certain guidelines, principles, and/or theories
- Analyze and "diagnose" an interaction design problem (user confusion, persistent user errors, user difficulty with learning something, etc.) using certain guidelines, principles, and/or theories
- Make and justify interaction design decisions for a given use case based on certain guidelines, principles, and/or theories
- Show how to accomplish a certain layout or display presentation using HTML5/CSS
- Debug/fix HTML5/CSS code
- Debug/fix some rudimentary JavaScript code that uses jQuery or jQuery UI