CS 350 - Computer/Human Interaction  
Fall 2009 - Exam 1 Review Sheet

Exam 1 Review will be during class on Thursday, October 22. Be prepared to ask questions regarding the exam material.

Exam 1 will be on Tuesday, October 27. The exam is open book, open your own notes (but not anyone else's notes). You should bring printouts of your prototypes and examples. The Java prototypes may or may not be graded by then.

The exam will consist of questions on the material in Chapters 1-4 of the textbook and covered in lectures and assignments through Thursday, October 15. It will consist of definition and use of technical vocabulary, explanation and examples of trade-offs, short answer questions similar to the exercises in the textbook, and simple coding exercises necessary to produce interaction for interfaces similar to the prototypes.

The following is a list of topics that will be emphasized, but it is in no way to be construed as an exclusive list.

1. Definition and use of the technical vocabulary of the HCI field. E.g., root concept, stakeholder, distributed cognition, metaphor, Gestalt principles, affordance.

2. Application of scenarios and claims analysis to requirements analysis and the design of activities, information, and interaction.

3. Application of techniques and concepts used in requirements analysis such as identification of the root concept, identification of stakeholders, task analysis, etc.

4. Application of techniques and concepts used in activity design (i.e., system functionality) such as designer's model vs. user's mental model, conceptual metaphors, participatory design, etc.

5. Application of techniques and concepts used in information design (i.e., how objects are represented to the user and arranged) such as the Gulf of Evaluation, Gestalt perception, affordance, hierarchical information model, etc.

6. The technologies used in the prototypes (HTML/CGI/PHP, VB.NET, and Java Swing) to the extent needed to produce interaction for interfaces similar in scope to the prototypes. In particular, JavaScript, file handling and networking will not be on the exam.