Final Exam
CS305 201030
D. H. Hepting
December 15, 2010
09:00-12:00

Answer everything in the exam booklet. I won't answer any questions during the exam, just state your assumptions with your answer. There are 60 marks on the exam, so you have 3 minutes for each mark. Remember: quality, not quantity. Good luck.

Part 1: 2 marks each x 20 questions = 40 marks. (Try to write about 1-2 sentences per mark.)

1. Explain "gulf of execution" and "gulf of evaluation".

2. How can you respond to critics who say that all this material is so subjective?

3. List any 2 of the 3 times my office hours were scheduled during the semester.

4. In the *Knowledge Navigator* video, what is the most important goal that remains outstanding? Why?

5. Should we use the SBD process on a project that is being maintained?

6. Can a never-before-seen application be intuitive? Why?

7. Should we welcome a touch-screen built from blocks of ice? Why?

8. How can a low fidelity prototype be valuable?

9. How can a high fidelity prototype be a hindrance?

10. Are WIMP interfaces still valuable? Why?

11. What is the difference between a mistake and a slip?

12. Are modes in an interface useful? What is difference between "CAPS LOCK" and "SHIFT" from this perspective?

13. How can one tell if they have the appropriate level of detail in a scenario?

14. What is the difference between information and interaction scenarios?

15. Why is Gestalt important to us in this class?

16. Why has Nielsen written about writing for twitter?

17. What is the difference between analytical and empirical evaluation? What is an example of each?

18. Is there an economic benefit to understanding what users would like from a software system?

19. How do we ensure that a user has the correct mental model?

20. Why is free and informed consent important when doing a user study?

Part 2: 10 marks each x 2 questions = 20 marks.

Consider the following situation. *Bob is pleased overall with his experience in moodle this semester. Now that the final exam is almost upon him and his students, he is feeling overwhelmed. He looks at the course home page and sees that it could fill 3 or 4 pages. He's not sure which areas need his attention. He's particularly unsure about the individual presentation assignment he gave. He wants to ensure that the students have all their other marks in place before the exam, but he has a lot on his mind and this may just take too much time and effort right now.*

1. Does this description constitute a problem scenario? Why? If needed, write a version that includes any missing elements (use your experience this semester to make realistic assumptions). Do a claims analysis.
2. Explore possible solutions by brainstorming the implications of metaphors and technology, thinking about the relevant HCI knowledge, and sketching a possible interface (with annotations as appropriate).

Have a great Christmas break. I have enjoyed the class. I hope that you did too.