

CS305 Final Exam  
December 15, 2006, 9:00 – 12:00, CL418

The final exam contributes 30 marks towards your final grade. This exam has 30 points divided over 2 types of questions. There is also 1 bonus mark. I value quality over quantity but you should at the same time write enough to show me that you understand the concepts. We have 3 hours for this exam, which is 180 minutes or 6 minutes per mark. **WRITE ALL YOUR ANSWERS IN THE EXAM BOOKLET.** If you are not sure how to interpret a question, make your assumptions clear in your response – I won't clarify questions during the exam.

**SHORT ANSWER (10 x 2 marks). Try to be concise in about 4 sentences each.**

1. If a scenario includes the phrase “Bob then prints the document,” has enough work been done?
2. What can happen if a designer employs the latest technological innovation in his or her system?
3. How can Raskin's laws of interface design be used to create satisfying activities?
4. What might seem comical today about Engelbart's MOL? What tradeoff does it present?
5. Why are “low thresholds and high ceilings” important?
6. What can a GOMS keystroke-level analysis of an interface tell us, and should that be enough?
7. Why should we be concerned with Gestalt psychology?
8. Why is “HCI knowledge of interaction design” important and what is an example?
9. What is the production paradox?
10. How do scenarios help with evaluation and documentation?

**LONGISH ANSWER (2 x 5 marks). Take time to plan your answers, which should be around 1 or 2 pages long. Point form is acceptable. Please be legible in your writing.**

1. How would you go about choosing between 2 interface designs? Use examples from our class material and discussions as appropriate.
2. Imagine this situation: “Daryl” is a confirmed Mac user and he must update the firmware on his router to ensure safe browsing for him and his family. He realizes that the firmware must be updated from a Windows machine. He gets to the following web page (see OVER). Write a problem scenario (fill in details as necessary) followed by a claims analysis that references our class material and discussions as appropriate.

**BONUS QUESTION: Why did my voice recording sound like a chipmunk when it was imported to GarageBand?**