

CS215 Winter 2007 – Midterm (D. Hepting)
February 16, 2007
CL232 – 10:30 – 11:20

PLEASE READ: There are 40 marks available (and 50 minutes in which to complete the exam). The exam is closed book. There are 10 questions, choose **8 ONLY** to answer. You have been given 2 exam booklets: 1 to hand in and the other (optionally) for rough work (please return it if it is unused). On the booklet with your answers, fill in the front completely (except where noted). There are 11 page sides in the booklet: answer 1 and **ONLY** 1 question per page side (leaving 3 page sides to spare). Clearly indicate which question you are answering on each page side. You **DO NOT** have to fill the page side with your answers! Quality is more important than quantity. When you have completed the exam, return this sheet tucked inside your exam booklet. If you follow all of these instructions, you will earn 2 marks (no part-marks awarded on these). ***If you have any questions about the exam questions, note your assumptions – I will not clarify any questions during the exam.***

Part 1 of 1. (Choose 8 of 10 questions x 5 marks)

1. What is the difference between REST and RPC (Remote Procedure Call)?
2. Why is construction an appropriate metaphor for programming? Is it your favourite one (why)?
3. Why is it worthwhile in a project to delay coding?
4. How do scenarios support design iteration?
5. For whom are you writing your code? What increases its readability?
6. Why are coupling and cohesion important?
7. Why is it important to manage complexity in software?
8. Why is flexibility important and how can it be accomplished?
9. How can software complexity be made manageable?
10. How does one create well-behaved building blocks?