

## CS 383 Final Examination Samples, Part 2

7. (10 points) Which was more difficult: mapping your software design onto code in your chosen language, or learning the details of the syntax and class libraries used for your project? Explain why.

8. (10 points) Define a test case. Explain what they are good for.

9. (10 points) Suppose someone made a significant change to your system requirements for this year's project, such as starting off the spring semester with: "Customers have told us that the software you are writing absolutely has to be playable between two identical/compatible pieces of hardware connected over the Internet." Explain what-all would have to be changed.

10. (10 points) Explain what types of testing your team actually did this semester. Was your testing adequate? If not, please suggest what types of tests were lacking, and why.

11. (10 points) In general, how were bugs handled within your team this semester? Give a "life cycle of the bug" description for one or two most typical patterns that occurred in your team. A "life cycle of the bug" description would include when the bug was discovered and so on, until

**the point at which the bug was fully resolved for all parties (or the end of semester happened, whichever came first).**

**12. (10 points) How did your team perform the division of labor this semester? Were you always able to work concurrently on implementation? If not, why not? Suggest ways that your team could have achieved a more even distribution of labor.**

**13. (10 points) Give the primary obstacles that faced your team in its effort to collaborate to achieve team objectives. Were these obstacles overcome? If so, how?**

**14. (10 points) Why is it important to test a software product thoroughly?**

**15. (10 points) Why is it important to document testing procedures and results from test runs?**

**16. (10 points) If you are assigned the task of developing user documentation for a software project such as your CS 383 project, what sources of information should you use? How is this effort connected with the rest of a software development project?**

**17. (10 points) Did your team review code written by other members at one or more times this semester? If so, how was the review conducted, and was it effective?**

**18. (10 points) What is an acceptance test? Did we do acceptance test(s) in CS 383? Why or why not?**

**19. (10 points) Suppose you are using an IDE such as Netbeans to develop a software project. Why might it still be necessary to develop scripts or makefiles for your project?**

**20. (10 points) What are the purposes of software measurement? What are the most common mistakes to avoid in doing software measurement?**

**21. (10 points) Explain the difference between statement coverage and path coverage.**