

ICS 52 - Introduction to Software Engineering
Midterm Exam #1 – Fall, 2007

Last Name: _____ First Name: _____

1. (20 points) According to the textbook, what are two essential characteristics of software engineering that are always present, either explicitly or implicitly? (Don't answer "multi-person" and/or "multi-version".) Briefly explain each characteristic in a sentence or two.

First:

Second:

2. (10 points) Choose *one* of the two characteristics you wrote about in problem 1, and *one* of the software engineering principles discussed in lecture; discuss how following that principle addresses the issues related to that characteristic.

9. (10 points) Consider this claim: “The System Requirements write-up for the Online Wine Store illustrates the desirable quality of _____.” Fill in the blank with a software quality discussed in lecture or in the textbook, other than “correctness.”

Explain why the claim is true (using the quality you selected.) Your answer should reference specific aspects of the write-up. Make sure you focus on the System Requirements write-up, and not on any speculated implementation.

10. (5 points) Suppose you are working on a software project as a team leader. On a certain Wednesday you decide what your team’s software development goals are for the next week, and then you determine that there are three possible ways to achieve those goals: assign them to various members of your team; hire some additional temporary staff to accomplish them; or purchase a software product which you have read about. On this Wednesday, in which quadrant of the spiral model are you working?