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CSE 70

Name _____

Quiz 1

cs70f _____

Fall 2009

Student ID _____

This quiz is to be taken **by yourself** with closed books, closed notes, no electronic devices.

- 1) Extreme Programming (XP) is considered an example of
 - A. Waterfall Model
 - B. Spiral Model
 - C. Agile Model
 - D. Layered Model
 - E. The version of Windows before Vista

- 2) More software projects have gone awry (failed) because of
 - A. Lack of manpower
 - B. Lack of time
 - C. Lack of funding
 - D. Lack of good software engineering tools
 - E. Lack of testing

- 3) Probably the biggest drawback of the Waterfall Model is

- 4) What does it mean for a design (say, a class) to have high cohesion?
 - A. Methods in a class work together on a focused task
 - B. Methods in a class are grouped together because they are frequently used methods (object management optimization)
 - C. Methods in a class are grouped together because they provide the same basic function (like I/O)
 - D. Methods in a class access data in other classes to provide the glue that ties the whole program together

- 5) Upfront fully-defined requirements analysis is a big part of a Plan-Driven process like the Waterfall Model. One of the nice features of XP is there is no requirements analysis at all. True or False (Circle correct answer)

- 6) What does it mean for a design (say, a group of classes) to have low coupling?
 - A. Multiple classes share a common set of "global" variables for low overhead communication
 - B. Multiple classes rely on the inner workings deep ("low") inside each other
 - C. Multiple classes are not dependent on each other; instead they use a public interface to exchange parameter-less messages (or events)
 - D. Multiple classes are coupled by inheritance of implementation low in the inheritance hierarchy

- 7) Which is considered a good and desirable design?
 - A. Low cohesion and low coupling
 - B. Low cohesion and high coupling
 - C. High cohesion and low coupling
 - D. High cohesion and high coupling

- 8) A Strict Layered architecture style exhibits which of the above? A B C D