

COMP 722 E-commerce Fall 2007 Written Assignment 5

Due in the digital drop box on Monday, Nov. 12 by 11:00 PM.

This covers chapter 5 in your text.

1. Explain some of the tensions between security and other values.
2. Identify which of the security threats described in section 5.2 of your text can be mitigated by public key encryption using digital signatures and hash digests. For each threat, explain how it is thus mitigated or why it cannot be mitigated in this way.
3. How is trust involved in the functioning Public Key Infrastructure? Consider the case where there are several (possibly many) CAs. (You won't find the entire answer in the text. Clear thinking will get you most if not all the answer.)
4. How do security audits fit into a well developed e-commerce security plan? Say what is actually being audited and how the audit relates to the rest of the plan, the organization, standards, and laws.

For each question, write about a half page single-spaced, 12 point. The actual length of your answer will depend on how succinctly you can answer the question. Length is not a primary grading criterion, but, if you write less than a quarter of a page (single spaced), you probably are leaving out something important, and, if you write more than a page, you probably are creating work for yourself without enhancing your grade.