

ASSIGNMENT 1

Due Date: Sept 30 (4x100=100 points)
CS 6/75995 ST: Foundations of Peer to Peer Computing
Spring 2012, Department of Computer Science, Kent State University

For each question you need to explain your answer clearly and logically in much greater detail than in papers/text book or references. Merely repeating text from a paper or lecture note therefore will not be given any grade even if the answer appears correct. You can score high by showing originality, logic, and intuitive thinking abilities in formulating your answers.

Assignment Set 1

1. **(P2P: General A#):** (A) Explain how the differences between (a) classical parallel systems, (b) distributed systems and (c) peer-to-peer systems?
2. **(Creative Commons):** Read about Creative Commons (creativecommons.org). Explain the main features of it. How you can include the Creative Commons in the simplest way in Napster?
3. **(Napster Conversation A#):** In the past you have put two users “sam20” and “hippo” in your ignore list. Your own nick name is “crow”. Show the message sequence (with message number and arguments) between your Napster Client and Server where you are asking the server to remove “hippo” and add “alex77” to your ignore list and then get a listing of your current ignore list.
4. **(Napster General A#):** Write a short (1 page maximum) but interesting essay that on the security on Napster from the point of view of various stakeholders such as the regular user, server provider, or music owners? Now you know the protocol. As enforcer of intellectual property theft, can you break into the system?