

## CPSC155b: Third Homework Assignment

Due *in class* on March 1, 2001. This is a firm deadline. Please remember to put your name and email address on your paper.

Question 1: (25 points) Recall that the gnutella file-sharing system is a pure peer-to-peer system. Briefly explain what the term “pure peer-to-peer” means and why it does not apply to Napster. Give one advantage and one disadvantage of pure peer-to-peer organization. In explaining why a property of pure peer-to-peer organization is an advantage or a disadvantage, you may reason from a technical, business, or legal point of view; just make sure that you state your reason briefly and clearly.

Question 2: (25 points) Give two e-commerce scenarios in which “curb-high protection” is good enough from a security point of view. For each scenario, say what the curb-high protection measure is and why it is good enough in context. These may be scenarios that were discussed in class or in the assigned reading, or they may be analogous scenarios that you have encountered or read about outside of CPSC155b.

Question 3: (25 points) Give three technical standards that play important roles in the emerging enterprise of popular-music distribution over the Internet. Briefly explain how each of these standards is important to one of the major stakeholder groups in the musical world. Stakeholder groups include but are not limited to consumers, artists (performers and composers), distributors, and equipment manufacturers. Keep in mind that an important standard may be established by an official standards body or may be a *de facto* standard established in the marketplace; for a particular stakeholder group, a standard may constitute a threat, an opportunity, or both.

Question 4: (25 points) Briefly compare and contrast eBay and Napster. Specifically, give three ways in which these wildly popular Internet-based services are fundamentally similar or fundamentally different from a technological, economic, or legal point of view.