Final Exam: Compsci 82

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Name: _____ (1 point)

NetID/Login: _____

Honor code acknowledgment (signature) _____

You'll be given prompts for four questions. For each question write one to two paragraphs addressing the question. Answer the questions on the paper provided after the prompts. Each answer will be graded on a 0-3 scale: skipped, fair, good, excellent. Your midterm grade will be 10-12=A-range, 7-9=B-range, 4-6=C-range, 2-3=D-range, 0=F.

PROBLEM 1 : (*Course Hero*)

The website `http://www.coursehero.com` makes materials from college and university courses available to its users/subscribers. For example, handouts and problem sets from Duke's Economics 105 course from this semester can be downloaded from the course hero site (checked on Wednesday, December 9).

However, to actually download a document from the site, as opposed to seeing that the document is there, a user must do one of two things: (A) upload documents to the site, or (B) pay to download. If you upload 40 documents from courses you take or have access to then you have unlimited downloads for a month, if you upload 80 documents you can download for three months, and if you upload 400 documents you can download for a year. Alternatively you can pay for one month at $29.95 and for more months at a cheaper, monthly rate.

Write and explain two things: (1) why course hero has a take down policy to be in compliance with the DMCA and (2) how the "pricing" policy in terms of uploading documents is similar to aspects of BitTorrent.

PROBLEM 2 : (*Cookies*)

Most websites place at least one cookie on your computer when you visit the website with your browser. Briefly, explain what a cookie is. Include in your explanation reasons as to why a website places cookies, why visiting a website can result in the placement of more than one cookie, and one possible concern about the use of cookies expressed by some who study the Internet.

continued

PROBLEM 3 :   (*Dukestar*)

Suppose Duke is considering developing a streaming music and video service called *DukeStar* whereby everyone on campus connected to the Internet through Duke agrees to have their computer disc/storage scanned for videos and music. Technology similar to what's used by Shazaam or other music/video identification services, (e.g., Audible Magic which is what YouTube uses) will identify the music and videos whose copyright is held by large media companies such as Sony, Viacom, or Disney. Duke will then offer a service to computer and cell-phone users where any of these audio/music files can be streamed **on campus**, for free to any student – OIT and Duke will provide the streaming technology. Duke will pay the media companies a service fee based on how often each individual audio/video file is streamed, and student fees will be used to recoup the service fees paid by Duke. The fee structure will be negotiated so that the net increase in student fees will be minimal, and the RIAA and MPAA agree not to serve Duke students on campus with copyright violation notices.

Discuss any benefits or problems with this idea and why you think it will either succeed or fail. Address appropriate technology and policy issues that have been discussed in class. [this is a hypothetical, Duke is not contemplating doing this]

PROBLEM 4 :   (*Favorite Things*)

What content/subject area of the course was your most favorite and your least favorite? Why? What aspect of the course logistics would you like to change? Why?

Problem 1

Problem 2

Problem 3

Problem 4