

What's Special about **Computers?**



- > Same principles of ethics
- Speed of processing
- Extent of research or correlation
- Impersonality of the medium
- Subtlety of the dilemmas people may not recognize there is an ethical dimension

Making Ethical Decisions

- Identify the ethical question clearly
- Are there explicit or implicit guidelines? (e.g., laws!)
- Underlying principles
- Intuitive responses



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Identify the Ethical Question Clearly

- What are the actions in question?
- > Who gains from the proposed actions?
- > Who suffers?
- Are those who lose out willing participants?



Explicit or Implicit Guidelines for the Issue?

- >Laws? ≻Rules?
- >Expectations?
- >Customs?
- ≻Habits?

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- Religious obligations?
- ≻Policy?

Contracts

- >Agreements?
- Professional standards?
- Codes of ethics?

Underlying Principles

- Does it break a promise?
- Damage the trust others have in you?
- Damage friendships?
- Hurt feelings?
- Tarnish your or someone else's reputation?
- Be unjust or unfair?
- Help you and world be better, kinder?
- Maintain your integrity and pride?
- Treat others as individuals, not as tools?
- Be a Good Thing if everyone acted so?
- Would you be happy to be the recipient of your proposed actions?

Intuitive Responses



- Does it feel wrong?
- > Would you be proud to tell your parents, your spouse?
- > Would you be happy having a full report on the proposed action detailed on prime-time **TV news?**
- > Would you be proud to tell strangers what you're proposing to do?
- Would you be happy to have your children acting as you are thinking of doing?



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Hacking for Fun

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- The 4NG3L5 0F C0RRUPT10N h4x0r gang consists of 7 children aged between 9 and 17 years of age.
- The 4NG3L5 enjoy vandalizing Web sites with funny pictures, most of them involving naked women. They also leave messages insulting the "L4M3R5" who run these sites and pointing out the security holes they used (well, some of them, anyway).
- They "tagged" over 174 Web sites in 8 months and ran contests to see who could tag the most sites in a month.
- "It's just for fun," they insisted. "We never do any real damage, and anyway, these L4M3R5 deserve what they get because they are so stupid."

Hacking for Politics



- Klaus and Wilhelm are furious about the Burmese regime that has destroyed civil liberties in that country. They decry the detentions without trial, torture, and other abuses of civil rights in that miserable land.
- They have therefore created an army of volunteer hackers from all over the world to harass the dictators of the SLORC (State Law and Order Restoration Committee). They deface Burmese government Web sites, steal confidential government files, and destroy government computers.





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Shareem loves music but doesn't have much money, so she uses Napster, Grokster, BitTorrent and the Web in general to download songs that have been ripped to MP3 format.

"It doesn't hurt anyone," she explains. "The companies make too much profit, the artists don't get enough, it helps increase sales, and everyone is doing it anyway."

She also needs software, so she borrows installation disks from her parents, uncles and aunts, and friends rather than buying her own licensed copy. "Who's to know?" she asks winningly. "And who cares?" she adds.

Review Questions (1)



- 1. Analyze how good ethics can support good business and bad ethics can harm business. Give an example from the current news.
- 2. Explain in simple language how to make an ethical decision using the full range of techniques discussed in this lecture and in the assigned chapter from CSH6.
- 3. Analyze in depth the arguments used to defend software and music theft.
- 4. Should companies strike back at the computer sites they detect as the source of attacks (e.g., DoS, hacking)? Why or why not?



Review Questions (2)



- 5. Analyze the ethical issues when a manager asks a system administrator to look at the medical records of a fellow employee without authorization.
- 6. Analyze how to respond to your boss if (s)he tells you to make illegal copies of licensed software so the company can save money.
- 7. Analyze what to do if you discover that one of your friends at work has been stealing computer-time on the mainframe to run a major real-estate operation without permission.

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[&]quot;It's for a good cause," they say.