

Homework Assignment 3
CSC 3200: Ethics in Computing, Fall 2023

Name (Last, First): _____

Due Date: November 20th (Monday)

Total Points: 10 points

Instructions: Submit your solutions by the due date on Moodle. Answer all questions completely and concisely. Late submissions will be penalized at the rate of 10% per day late and no more than 3 days late.

Questions

1. Why computer models may not be accurate? Give two questions that we should ask when evaluating computer models? (2 points)
2. Give two of the Neo-Luddite criticisms of computer technology. Give two counter arguments for each. (2 points)
3. Many factors can cause computer system errors and failures. Give two factors related to design and development, and two factors related to management and use. (2 points)
4. Give two measures to improve user interfaces design for better reliability and safety? (1 point)
5. Explain why keeping one's professional skills up-to-date is a requirement of professional ethics. (1 points)
6. A hacker who copied patient files from a medical center (and was not caught) said in an online interview that he did it to publicize the system's vulnerability, not to use the information. After the medical center said that no patient files had been copied, he decided to disclose a small portion of the files (to an individual, not the public) to prove that the medical center did not tell the truth. Analyze the ethical issues in this scenario using the methodology of Section 9.3.1 (Page 9-10, Lecture #9). (2 points)