Ethics in Technology

Ethical Decisions in Software Development

Ethics are crucial in software development because they guide developers in making decisions that prioritize user safety, privacy, and fairness. Ethical practices help prevent harm, such as data breaches or the misuse of personal information. By following ethical principles, developers can build trust with users and create systems that respect safety and societal values, avoiding biased algorithms or features that could have unintended negative consequences. Ethics also help ensure compliance with legal standards, enhancing the overall integrity and responsibility of the technology industry. At the end of this module about ethical decisions in software development you'll be able to answer the following questions:

- What is meant by software quality, why is it so important, and what potential ethical issues do software manufacturers face when making decisions that involve trade-offs between project schedules, project costs, and software quality?
- What are some effective strategies for developing quality systems?
- How do IT professionals deal with the ethical challenges related to data accuracy?

Chapter 7: "Ethical Decisions in Software Development"

(?) Essential Question:

How do I determine if software meets both quality and ethical needs?

Read Chapter 7 in *Ethics in Information Technology*:

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