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Ethical Issues

Ethical Issues

- ◆ **Software products are developed and maintained by humans. If those individuals are hard working, intelligent, sensible, up to date, and above all, *ethical*, then the chances are good that the way that the software product they develop and maintain will be satisfactory.**
- ◆ **Unfortunately, the converse is equally true.**

Ethical Issues

- ◆ **Software Engineering Code of Ethics and Professional Practice**
 - **The Association for Computer Machinery (ACM)**
 - **The Computer Society of the Institute of Electrical and Electronics Engineers (IEEE-CS)**



Ethical Issues

- Software engineers should adhere to 8 principles:
 - ◆ **Public**----Software engineers shall act consistently with the public interest.
 - ◆ **Client & Employer**----Software engineers shall act in a manner that is in the best interests of their client and employer consistent with the public interest.



Ethical Issues

- ◆ **Product**----Software engineers shall ensure that their products and related modifications meet the highest professional standards possible.
- ◆ **Judgment**----Software engineers shall maintain integrity and independence in their professional judgment.



Ethical Issues

- ◆ **Management** ---- Software engineering managers and leaders shall subscribe to and promote an ethical approach to the management of software development and maintenance.
- ◆ **Profession** ---- Software engineers shall advance the integrity and reputation of the profession consistent with the public interest.



Ethical Issues

- ◆ **Colleagues** ----Software engineers shall be fair to and supportive of their colleagues.
- ◆ **Self** ---- Software engineers shall participate in lifelong learning regarding the practice of their profession and shall promote an ethical approach to the practice of the profession.

DISUCSS

- ◆ **Please explain some software engineering codes of ethics with some real cases around you.**