Lecture 8 Is Software Different?

CSE 403 Spring 2005







Is software different?

- Is the fundamental nature of software different from physical artifacts?
- Does it break differently?

Is software different?

Is the environment of use of software different?

Is software different?

- Is the culture of software development different?
- Is the field immature?







Goal of licensing? The general goal of licensing is to protect the interests of the public when safety is at issue and when the public cannot make effective judgments on their own Civil engineers to ensure building standards are met Aeronautical engineers to ensure aircraft safety rules are met Many practicing engineers are licensed, especially civil and mechanical engineers And many are not



Other approaches to safety

- Process-focused (CMM, capabilitymaturity model; ISO 9000)
- Product-focused (pharmaceutical industry, ...)



Some real dirt

- Why professional licensing was pursued overall in software engineering
- Why it was pursued in Texas