Software Engineering: Why me?

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1 Administrivia

Announcements

ACM Programming contest: 11/16. Two teams, 2–3/team. Practices on fall Saturdays.

Assignment

Carefully read 1.7–1.10.

From Last Time

Introduction.

Outline

1. Discussion of Chapter 1.

Coming Up

Project discussion, project teams

2 Discussion

- 1. Compare the process of building a large structure, such as a skyscraper, to the process of creating a complex piece of software, such as a spreadsheet or DBMS. It is conventionally understood that significant time and effort go into architecture and design for a skyscraper, but for many, it is not clear how important these efforts are to producing equally reliable software. Why do you suppose this point is not understood?
- 2. You want someone to write a program to automate your household finances. Write a *narrative* description of this problem, so that a second party can use this description to write a useful program.

Exchange your narrative with a classmate's and critique the description for ambiguities and omissions.

- 3. Why engineer software?
- 4. What are the dangers of not following a software engineering paradigm?
- 5. Where can software engineering projects go wrong?
- 6. Describe the conceptualization, representation, and implementation phases of a software engineering project.