Dilbert’s View of Project Management

There are two kinds of management problems.

There’s the kind you can solve by yelling and the kind you can solve by buying some sort of software.

That’s why I created “some sort of software that yells.”

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**SE Life-Cycle**

- Project Management
  - Determines & Manages
- Goals for both product and process

### Phases

- Requirements
- Architecture & Design
- Construction
- Deployment & Maintenance

### Integral to all phases

- Documentation
- Measurement & Evaluation
- Manage Objects
- Teamwork
- Evolution
I - Project Management

What is the effort relationship between a generating a program, a programming product, a programming system, and a programming system product?

What are the basic problems in project management?
- With respect to time?
- With respect to estimating?
- With respect to schedules?
- With respect to programmers?
- What is lacking?

What is Brooks’ law with respect to late projects?

What are the problems with “man months” as a measure of effort?

What about a software system is at issue here?
- What are the three basic issues and their implications?
II - Project Management

What is Brooks’ rule of thumb for scheduling time?

Project Structure

What is the common desire?
Is it possible?
  - Perry’s rule: the bulk of a software system will be built and evolved by ordinary developers!
What is the main problem with developer productivity?
What are the issues with respect to communication?
What are the issues for ultra-large projects?
  - Great design?
  - Scaling up?

Communication

What are various different ways to support communication?
What part does documentation play?
What part does an organizational structure play?
What is the reality for teams and individuals?
III - Project Management

Effort estimation

- What part does size play?
- How does that figure into the general plan for a project?
- What are some of the figures on productivity from different projects?
- How does one improve productivity?

Scheduling

- What is slippage? What do you do with it?
- What are milestones? How are they determined?
- What happens to estimates during a project?
- What is a critical path? Where do you want to be relative to a critical path?
- What kind of information is needed for managing a schedule well?
A Last Look at Project Management

WHAT DOES MFU2 MEAN ON YOUR TIMELINE?

THAT’S MANAGEMENT FOUL-UP NUMBER TWO. IT USUALLY HAPPENS AROUND THE THIRD WEEK.

WE DON’T ANTICIPATE ANY MANAGEMENT MISTAKES.

THAT’S MFU1.

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Preparation for the Last Exam

Will cover all the material since the first exam

There will be quite a bit on project management – as Brooks has been our main book and it is primarily on project management. So all of Brooks is fair game.

The study questions should help you in preparation as to what is important in the various papers.

Course Grades – a function of three [Grads: four] things:
- Exam 1
- Exam 2
- Quizzes totaled and normalized to be equivalent to an exam
- [Grads - project score normalized to be equivalent to an exam]

Will put distributions of the last exam and quizzes on web site

You may email me asking about final exam and normalized quiz scores.