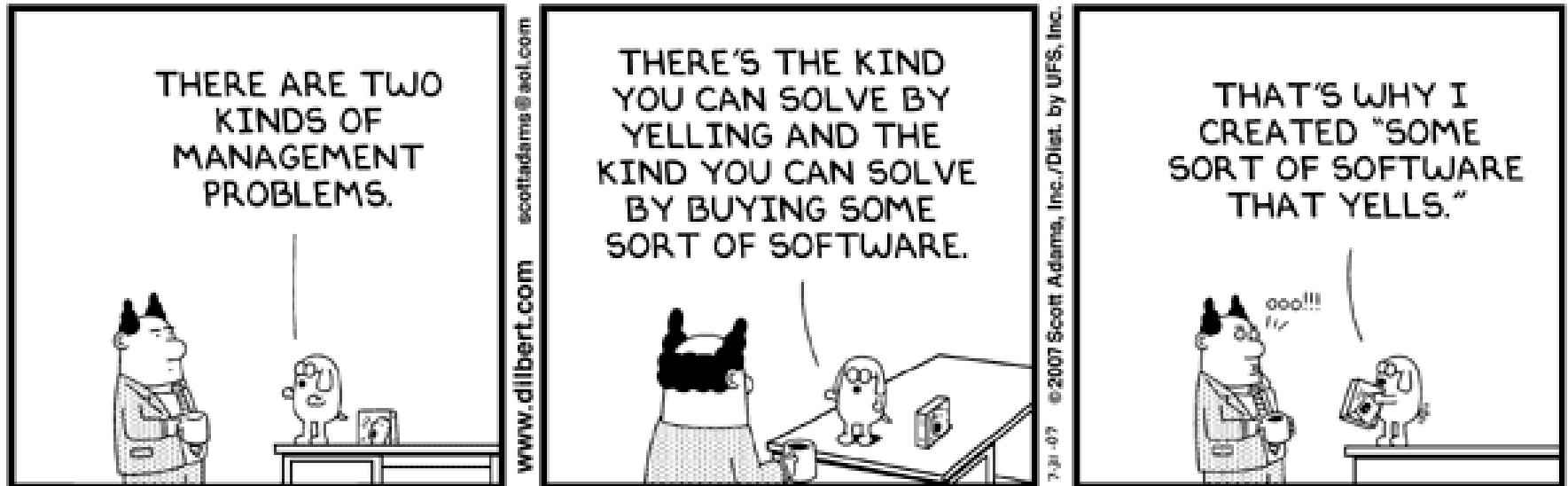
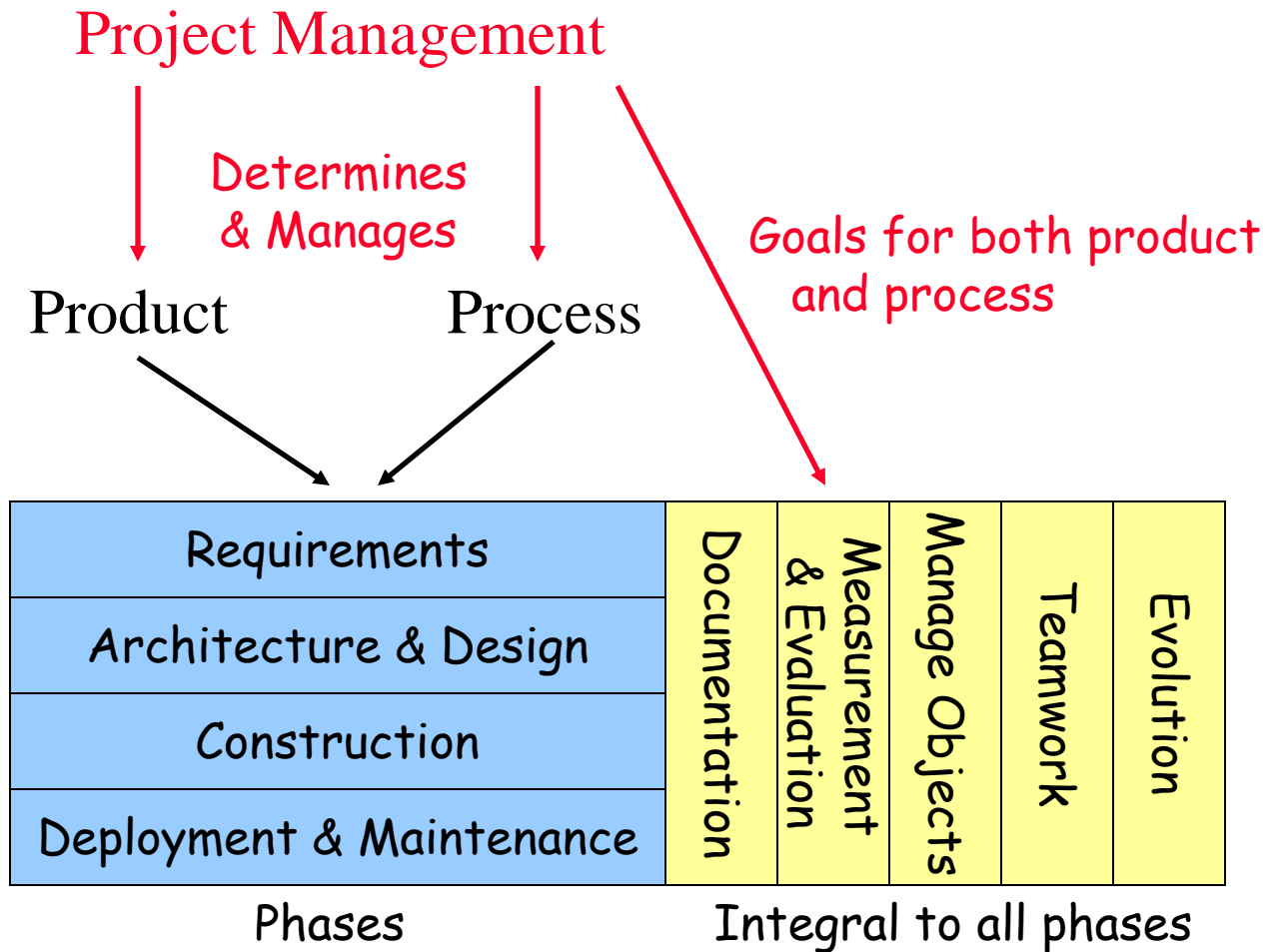


# Dilbert's View of Project Management



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# SE Life-Cycle



# 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



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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.