Project Management

Project Planning

Week 2 Winter quarter

1/16/02 SOS

Objectives

- Managing Project Documentation
- User Definition
- Creating a Product Decomposition
- Generate a Work Break Down Structure
- Next Assignment
- Estimates

- "You get more control over estimation by learning from evolutionary early and frequent result deliveries than if you will if you try to estimate in advance for a whole project."
    - » Tom Gilb *Principles of Software Engineering Management*

Project Decomposition

- Logistics
  - Research web farm/load balancing hardware
  - order and install boxes
- Search Engine
  - Search
  - results
- QA
  - Load testing
  - Search testing
  - Image verification
- Upload
- Conversion

Estimates

- Duration versus Effort

- How much time a day is available?

Estimating Methods

- Use something similar
- Use historical data
- Use Expert Advice
- Use Delphi
- Use three point (optimistic, pessimistic, most likely)

Estimating Precision

- What is the difference between precise and accurate?

Estimating Approach

- Top Down

- Bottom Up

Sample tasks