

# Administrative stuff

## ★ Our Schedule

- Tuning as we go
- I intend to offer (cancel) some classes for project work

## ★ Web servers

- Meet and discuss after class



# Today

- ✦ More on Scheduling
- ✦ The Contract

# Scheduling (Task Budgeting)

- ✦ Separate total work into tasks/activities
  - For us/now, mapped to required functions
- ✦ Estimate time to complete each
- ✦ Identify relationships
  - Dependencies between tasks
  - Tasks that can be accomplished in parallel
- ✦ Don't forget to allow for
  - Prototype (minimal: main interface with stubs)
  - Integration of functionality
  - Testing (validation and verification)
  - Documents (Design Spec, User Manual, etc.)

# Interact with the Schedule

- ★ Remember: three constraints

- Schedule

- Cost

- Function

- ★ Interact with the plans

- Iterate over schedule and function



# Granularity

- ✦ Keep to ~ one week granularity
- ✦ Larger or more coarse
  - Loses meaning
- ✦ Smaller or finer
  - Useful tool becomes a burden



# The Contract

# Goals

- ✦ Converge on requirements
- ✦ Make requirements clear and concrete
  - Guide the Design Specification
  - Input for verification and validation
- ✦ Use diagrams for in-class *Group Status Reports* (March 1, 6, and 8)

# Due on Tuesday (Feb 6)

- ★ Hand deliver hard copy w/ *team* signatures
  - to Boss at start of class
  - to Client same day
- ★ Note: no Client/Boss signature now
  - You are submitting this to them
- ★ Email to notify that the electronic version is in your Library
  - the Boss
  - your Client

# Structure and Size

- ✦ Use hierarchical section numbering
  - ✦ In paragraphs describing requirements
  - ✦ Use matching numbering in diagrams
  - ✦ (example in a moment)
- ✦ Document length guidelines
  - ✦ See { ~ \_\_\_ page } w/ headings in sample
  - ✦ No more than a paragraph per section or sub-section
  - ✦ No more than three levels of functionality



# On-Line Example Outline

[http://www.cs.unc.edu/~welch/class/comp145/media/docs/contract\\_outline.pdf](http://www.cs.unc.edu/~welch/class/comp145/media/docs/contract_outline.pdf)

# That's it...

- ✦ Teams/people w/ interest in web server setup, see me now.
- ✦ My advice
  - Spend some time on this
  - Watch the game!