Project 2
SRS / SDS / Project Plan

This is the first deliverable for Project 2.
It is due Tuesday, February 20.

The project is due Wednesday, March 7

Answers Three Questions

- What will the system do?
  - Requirements analysis (a mini SRS)
- How will it work?
  - Design overview (a mini SDS)
- How will we build it?
  - Project plan

SRS: Requirements

- Problem Statement
  - What problem does it solve? Remember that a descriptive and complete problem statement makes the design process easier.
- Description of User
  - Who are the users? What will they expect? What will they know already? What are their current technology usage patterns? (Consider using OOA techniques.)
- Scenarios or Use Cases
  - Five specific, different, realistic scenarios
- Detailed Description of Requirements
  - Expand the problem statement and generalize from the use cases.
  - Include at least 20 specific and measurable requirements.
    - At least 6 should be non-functional requirements

SDS: Design

- System structure
- System control model
- For each subsystem
  - Object model (class diagram)
  - Object collaboration model (interaction or sequence diagrams)
  - Subsystem behavior model (state transition diagram)
- Design Rationale

Project Plan

- Include each of these four sections:
  - Project organization: People and roles
  - Risk analysis, risk reduction strategies.
  - Work breakdown (>10 milestones) and project schedule (who will do what)
  - Monitoring and reporting: How individual and project progress will be monitored
    - Who *did* what? When did they do it?
  - (Note: These are items 2, 3, 5, 6, and 7 from Sommerville p.77. Read up on them.)

How many pages?

- My best guess:
  - 5 pages for requirements
  - 5 pages for design, plus 3-5 pages of diagrams
  - 3 pages for plan
- What matters is content, not length