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

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.)

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

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