Chapter 4

Supplementary Notes
Part 2
Homework #1 Results

• Great reports
• High scores (4 or 5) for everyone
• Goldie Locks distribution:
  – Some were a bit too short
  – Some were a bit too long
  – Some were just right
• Email reply to your submission with grade and comments coming shortly
• Class email address (correction):
  – cs584000@emory.edu
Software Process at University Library

• Guest speaker: Scott Turnbull
  – Software Development Manager
  – Part of the Digital Systems Division
    • Technical Project Management
    • Software Engineering
    • Systems Engineering
  – Manages all aspects of technology for the EU Libraries (EUL)

• Agile Process & EUL Approach

• Participating in Project Groups as occasional advisor
Project Setup

• Development environment
  – Server with RHE and dev environment
  – Special logins (not your university login)
  – Static IP for remote connection
  – Setup of the environment is still in progress, should be ready by this week-end

• Team Organization
  – Assign roles (team lead, plus a lead for each deliverable & presentation)
  – Project groups created on Ning at http://swengineering.ning.com/groups
    • Sign up for your group
    • Team Lead must post list of assigned roles in your group
    • Project Managers and SW Dev Manager have been invited to participate too

• Research your dev tools!
  – Google for tutorials
  – Work through examples
  – Look before you leap
Develop a Project Process Model

• Include the key 5 components:
  – Communication paths/styles/approaches for team & PM
  – Project Planning approach
  – Solution design tactic
  – Development plan
  – Deployment/release plan

• Draft of the Process should be posted on your group page
  – 2 October 2009 deadline for this
Fact/Fallacy Tidbit

• Fact 9
  
  Software estimation usually occurs at the wrong time

• Discussion
  – At the start of a project, customers typically pressure programmers to “estimate” how long a project will take
  – Accurate estimates require in-depth understanding of the requirements
  – Requirements analysis takes time and effort, and those details are obtained after a project begins...
  – So the estimation occurs before the data is available
  – The result is wild inaccuracy in project estimates

From Robert Glass, “Facts & Fallacies of Software Engineering”