

Software Process III

Week 4

Announcement

- Midterm I: Postponed
 - 1:00 – 1:50 pm Wednesday 23rd March
 - Ch. 1, 2, 3 and 26.5
 - Hour 1, 6, 7 and 19 (pp.331 – 335)

Agenda (Lecture)

- Software process models
 - PSP
 - TSP
 - CMMI
- Present project proposals

Agenda (Lab)

- Use case description
- Activity diagram
- SRS document
- Weekly progress report
- Hour 11 quizzes (p. 194)
- Submit the progress report, proposal and the answers of the quizzes by the end of the Wednesday lab session.

Team Lab Assignment #3

- Submit the first version of use case descriptions for your group project
 - If necessary, modify the first version of the use case diagram
 - Submit the (modified) use case diagram and associated use case descriptions.
 - Note that each use case should be described.
- Due date
 - The end of the 2/16 lab session

Team Lab Assignment #4

- Submit the first version of the system-level activity diagram for your group project
- Due date
 - The end of the 2/16 lab session

Team Lab Assignment #5

- Create a software requirement and specification document (a.k.a. SRS) for your group project. Refer to the sample at www.csun.edu/~twang/380/Slides/SRS-Sample.pdf.
- Due date
 - The end of the 2/23 lab session

Activity Diagrams

- Focus on the execution and flow of the behavior of a system, sub-system, or even class methods
- Are applicable to any type of behavioral models; business process, software process, workflows, etc.
- Capture activities that are made of smaller actions

Activity Diagram Elements

- Activities
- Initial node and final node
- Activity edges
- Control nodes
 - Decision nodes with guard conditions
 - Merge nodes
 - Fork and join nodes (multiple concurrent flows) and exit points

Activity Partitions

- It is helpful to indicate who (or what) is responsible for a set of activities in an activity diagram
- You can divide an activity diagram using two parallel lines, called **swimlanes**

