Final review Guideline

Purpose

- To see if your project works as planned.
- To find out whether your OOAD indeed leads to a good production code.
  - After all, having a stack of documents means nothing at all, unless the project is properly implemented.

Presentation

- Presentation and Demo
  - Each team will be reviewed for about 25 minutes (depending on the number of teams we have in the class).
  - 20 minute presentation
  - 5 minute demonstration

3

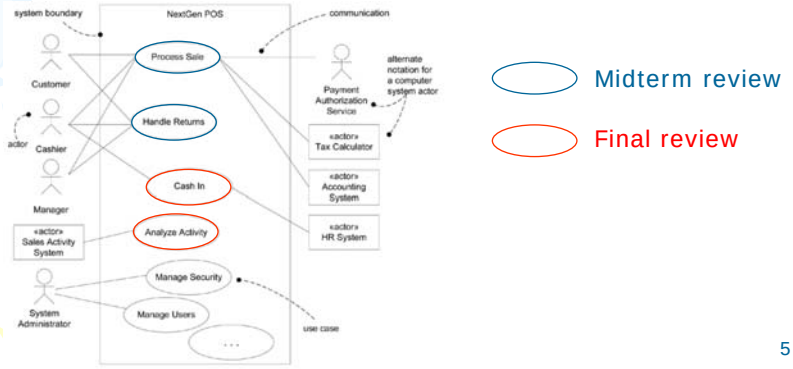
Slides of Presentation

- Presentation order
  - Project name, team member, etc.
  - Problem Statement
  - Use case diagram (next page)
  - Demo use cases (demo first)
    - Involving successful and alternative scenarios.
    - Demo all new, related use cases, and a brief demo of what you have already demoed in midterm review
    - You do not need to give and explain use-case text
  - Project information (next page)
  - Design and implementation (next page)
  - Lessons learned

4

Slides of Presentation

- Use case diagram
  - Mark what have been done in the midterm review
  - Explain "what's new" after midterm review



5

Slides of Presentation

- Project Information (for a brand new project)

Project information	Midterm	Midterm~ Final	Total
LOC of production code	X	X	X
The number of classes of production code	X	X	X
The number of methods of production code	X	X	X
The number of unit tests (testXXX)	X	X	X
LOC of test code	X	X	X
Team member John time efforts (hours)	X	X	X
Team member Mary time efforts (hours)	X	X	X
Total time efforts (hours)	X	X	X

Note: Midterm gives the values that you presented in midterm review; Midterm~Final gives the values that you did after midterm review; Total gives the overall values of the semester.

6

Slides of Presentation

- Project Information (for a maintenance project)
  - Use the following table for 3 times (pages) to present the values of Midterm, Final, and Total

Project information	Original	Modified	New	Total
LOC of production code	X	X	X	X
The number of classes of production code	X	X	X	X
The number of methods of production code	X	X	X	X
The number of unit tests (testXXX)	X	X	X	X
LOC of test code	X	X	X	X
Team member John time efforts (hours)				X
Team member Mary time efforts (hours)				X
Total time efforts (hours)				X

7

Slides of Presentation

- Design modeling
  - Show design class diagram (DCD)
  - Are there any external services?
    - Show how you handle (encapsulate) external services
  - Are there any variation points in your application?
    - Show how you handle (encapsulate) variations
  - Are there any concerns when you consider your design
    - Show how you handle these concerns
  - Did you use any GRASP patterns or GoF design patterns to address any problems?
    - Explain how you use these patterns for at least 1 instance

8

Slides of Presentation

- Implementation
  - Show the source code of a significant functionality (any patterns?)
  - Run all Unit Tests (all should pass)
  - Show the source code of a significant test case

9

Grading

- Grading is based on the following:
  - Presentation 20%
  - Demonstration 20%
  - Project 20%
    - Scale (linear to your team size)
    - Code
  - Design 20%
    - Any GRASP/GoF patterns
  - Testing 20%

10

Note

- Note:
  - Make sure you have the proper environment (e.g., wireless/wired network access) for your demonstration.
  - Your slides should have page numbers.
  - Please provide hardcopies of your slides for the instructor and teaching assistant (print 2 ppt pages in 1 A4 paper page, double sided, no back ground, black and white).
  - Before the class, test your slides and the projector in the classroom
    - Delay is not allowed

11