CISC327 - Software Quality Assurance

Lecture “review3”
Review for Mini-Exam #3
Announcements

- Mini-Exam #3 accommodations:
  - You will **not** receive an email from me, *because*...
  - ...the room **is the same** as for Mini-Exam #2
Likely topics/questions on mini-exam #3

• From Lecture 17:
  – Mutation testing
    • Is mutation testing systematic?
    • What is the system (if there is one)?
    • How is mutation testing different from other white-box methods?
Likely topics/questions on mini-exam #3

• From Lecture 18:
  – Maintenance and continuous testing methods
    • Corrective, perfective, adaptive maintenance
    • The relevant exam question will involve Bogosys
Likely topics/questions on mini-exam #3

• From Lectures 18–19 (Maintenance, continuous testing, regression testing)
  – Corrective, perfective, adaptive maintenance
  – EVIL TIME from Lecture 18 won’t be on the exam
  – Regression testing
    • Know the 3 kinds of tests in a regression test suite
    • Know why some regression tests get “retired”
Likely topics/questions on mini-exam #3

• From Lecture 20 (formal inspections)
  – Know (roughly) the relative costs from “Cost of Fixing Errors” (Lecture 20 slide 26)
  – Know the roles of Moderator, Inspectors, Author: match them up with “keeps paraphrasing at a reasonable pace”, “paraphrase the code”, “clarifies code when asked”, etc.
Likely topics/questions on mini-exam #3

• From Lecture 21 (formal inspections)
  – Know (roughly) the defect classification (Critical, Severe, Moderate, Minor)
Likely topics/questions on mini-exam #3

• From Lecture 22 (code inspections)
  – Know some examples of items on a code checklist
Likely topics/questions on mini-exam #3

• From Lecture 23 (XP code inspection, refactoring)
  – Know some examples of “code smells” and refactorings, especially “Don’t Repeat Yourself” and how to “factor out” duplicate code into a new method
Bonus question

• does not involve Bogosys
  (don’t worry, the main questions do)