Exam 2 Study Guide

Friday, June 16, 2023, 9 AM - 10:40 AM
Building 15, 3rd floor, RF-Smart Lab, Room 3130

- ☞ If possible, arrive a few minutes early, login to a desktop and your Canvas (Duo app maybe needed).
- ☞ Feel free to bring blank papers for scratch work.
- ☞ Feel free to use earplugs to avoid getting distracted.

1 Coding, 50 points, 1 hr 10 minutes, 9 AM - 10:10 AM + 5 minutes for uploading the Java file

- ☞ Use the IntelliJ Community Edition (already installed).
- ☞ ***No cheat sheets*** but feel free to bring empty scratch papers.
- ☞ Make sure you know how to create a new project named **`COP3530`** in IntelliJ (*do not pull from GitHub*) and a package named **`exam2`** under the **`src`** folder.
- ☞ By default, the projects are created at

  `C:\Users\your-nNumber\IdeaProjects\`

- ☞ Your canvas login will be required for downloading the exam and uploading the solution. Make sure you know how to log into Canvas.
- ☞ Check your Canvas submission carefully, and then logout from your desktop.

Exam 2 coding will be worth 50 points. You will be asked to complete 2-3 methods. Code outline and tests will be given to you, like HW problems. Like the HWs, you need to download the package, complete coding, test, and then upload your code to Canvas. Multiple submissions are allowed. Your latest submission will be graded.

Syllabus. Linked-lists and basic understanding of Big-Oh notation.

Practice problems. **Pull from Git. Direct URL: `https://github.com/ghoshanirban/COP3530/blob/master/exam-study-guides/Exam2/practiceexam2.zip` Download the package exam2 and start practicing. The problem is on maintaining a doubly linked-list of student records. Complete the methods given to you. The method signatures should explain to you what to implement. Please try yourself before you look for solutions elsewhere.**

Alert. ***Absolutely NO collaboration and/or copying from the internet during the exam will be allowed. This is a closed notes exam. LANSchool will be used to monitor the desktops in the room.***

2 MCQs, 8 questions, 50 points, 25 minutes, 10:15 AM - 10:40 AM

This is a multiple-choice questions in-person exam. Syllabus for this part: everything covered till Recursion.

Possible types of questions: output prediction, compilation-related question (does this code compile error-free? etc.), runtime derivations using Big-Oh, conceptual questions on Java basics. Make sure that you understand everything on the slides.

Cheat sheets. *You can bring at most two cheat sheets (handwritten/typed out on both sides).*

Alert. ***Absolutely NO collaboration and/or copying from the internet will be allowed. You cannot tab out from the quiz (the exam) after you start it. Canvas will record in its log if you do so. You are not allowed to use any IDE, command-line interface, or any in-browser online compiler for this exam. Your desktop will be monitored using a LanSchool.***