

LEC 18

CSE 122

Putting It All Together (Review)

Questions during Class?

Raise hand or send here

sli.do #cse122



BEFORE WE START

Slido chat & talk with neighbors:


What's the first thing you'll do after finals are over? (Sleep is obvious...)

Music: [122 25sp Lecture Tunes](#) 

Instructor: Brett Wortzman and Adrian Salguero

TAs:	Andrew	Diya	Logan	Steven
	Anya	Elizabeth	Mahima	Yang
	Brittan	Ivory	Medha	
	Carson	Jack	Minh	
	Christopher	Jacob	Nicole	
	Colin	Ken	Samuel	
	Dalton	Kyle	Shivani	
	Daniel	Leo	Sreshta	

Lecture Outline

- **Announcements** 
- Exam Logistics
- Review
- How to Study
 - Mind Maps

Announcements

- Last few sessions of classes!
 - Quick overview of class today!
 - Victory lap + AMA on Friday
- Creative Project 3 (C3) currently out
 - Due **Friday**, June 6th by 11:59 PM
- Resubmission Cycle 7 (R7) opens tomorrow, Thurs June 5
 - Due Tuesday, June 10th by 11:59 PM
 - Open to **all** previous assignments
- R8 info coming soon!
- Provide feedback!
 - Course evaluations have been send to your UW emails
 - TA evaluations in section tomorrow

Announcements

- **Final Exam Review: Monday, June 9 from 2:30-5:00 PM, JHN 102**
 - Led by TAs
 - First half: time to work on practice exam with TAs in room
 - Second half: TAs going over exam, giving tips
 - Likely recorded, we'll update if this isn't the case!
- **Final Exam: Tuesday, June 10 from 2:30-4:30 PM**
 - Preliminary details are [up on the course website!](#)
 - Seating chart will be posted soon!
 - Already up:
 - Final Exam Study Guide/Resource Bank Document
 - Past & Practice Exams

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Exam Format

- 6 questions in total, each will receive one ESN grade
 - Some questions might have sub-parts
 - Reminder: Quiz and Exam grades are all mixed into the same bucket
- General format
 - 3 Questions: Mix of Conceptual, Mechanical/Tracing, Debugging Problems
 - 3 Questions: Programming Problems
- See sections for the last 2 weeks for practice handwriting problems
- See your quizzes too!

Exam Logistics

Most important bits:

- Tuesday June 10 from 2:30 – 4:20 PM
- Seat assignments will be posted soon!
- **Don't cheat**
 - Only have the exam open during the time (don't start early; don't work after)
 - No electronic devices
- You can bring one 8.5x11 inch (or A4) paper with notes, front and back
 - Will also provide a reference sheet (see course website)



Questions? Raise hand or as on sli.do (cse122)

Review So Far

CS Concepts

- Problem Solving
- Functional Decomposition
- Debugging
- Testing
- Third Party Libraries*

Java Language

- File I/O
- Iterators and For-each Loops
- Exceptions
- Reference Semantics
- JUnit*

Data Structures

- ADTs
- Lists
- Stacks
- Queues
- Sets
- Maps

Java Collections

- Arrays / 2D Arrays
- ArrayList
- LinkedList
- Stack
- TreeSet / TreeMap
- HashSet / HashMap
- Interfaces for Collections


Object Oriented

- Instance variables
- Instance methods
- Interfaces
- Abstraction
- Encapsulation
- Client/Implementer

Review Resources

- Pre-Class Materials + Lectures
- Section Handouts
- Quizzes so Far
- Your Notes!
 - Helpful for contextualizing what you learned
- Practice final exams
- Practice it

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Study Strategies

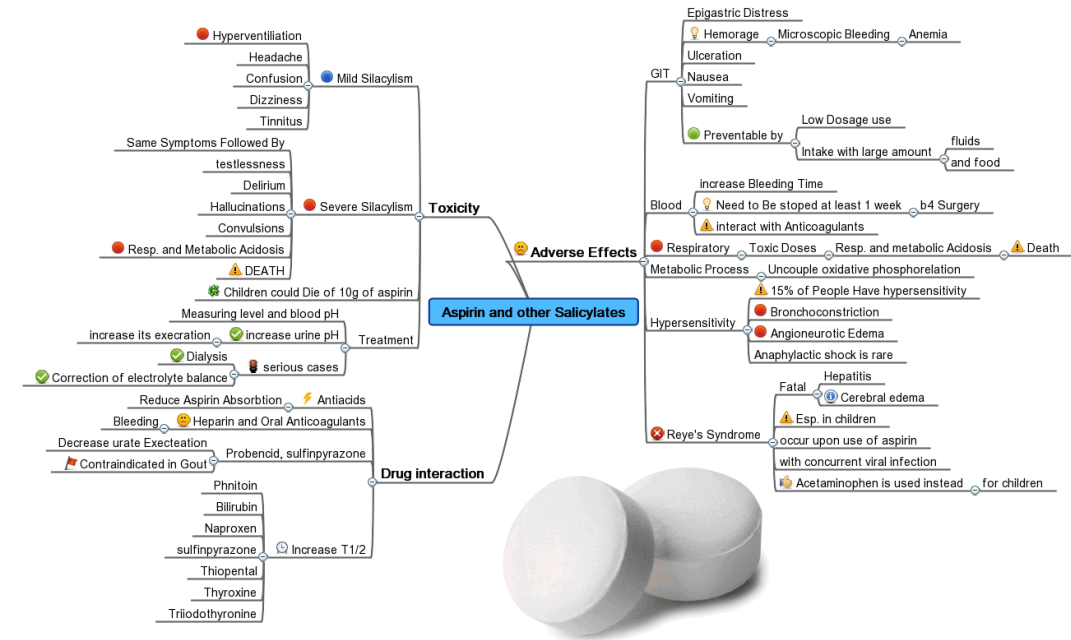
- Study Early and Often
- Stay Healthy
- Embrace Difficulty!
 - You don't need to be perfect
- Connect Problems: How is one problem similar/different to another?
- Mix up the problem order!
- Study Like you Test

Study Strategies

- Reference Sheet: Iterative Refining
- Don't stay stuck on a problem
- Draw things out!
- Key words
 - Exceptions
 - Auxiliary structures
 - “Unique”, “Ordered”, etc

Mind Maps

- One of the most important parts of learning is *relating* concepts to each other
 - Almost all learning is contextual: based on relating one thing to another
 - Transfer is challenging!
- **Mind Maps** empower you to write out how topics relate to each other. Concretizing relations.
- Can be incredibly helpful when reviewing and can be a great resource for looking back at this class



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