LEC 17

CSE 122

Putting It All Together (Review)

Questions during Class?

Raise hand or send here

sli.do #cse122

BEFORE WE START

Talk to your neighbors:

What are your best study strategies for exams?

Music: [Miya's 23wi CSE 122 Playlist]

Instructor Miya Natsuhara

TAs

Ayush	Atharva	Ernie	Ambika
Connor	Julia	Di	Elizabeth
Poojitha	Megana	Logan	Joe
Andrew A	Joey	Shivani	Jin
Andrew C	Eesha	Michelle	Ben
Jasmine	Lilian	Steven	Evelyn
Darel	Thomas	Kevin	Kent
Gabe	Leon	Ken	
Karen	Melissa	Vivek	
Colton	Audrey	Autumn	

Lecture Outline

- Announcements
- Exam Logistics
- Review
- How to Study
  - Mind Maps
- Practice: Stacks & Queues

Announcements

- Last week of classes! 
  - Review today
  - Victory lap + AMA on Friday!

- C3 deadline pushed to **Friday, March 10**
  - Thank your TAs!

- Course Evals
  - Deadline is Sunday, March 12!
  - Currently at a 10.7% response rate…

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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

Exam Logistics

Most important bits

- Wednesday 3/15 from 12:30 – 2:20 pm
- Seat assignments
- 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 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
- Debugging
- Client/Implementer
- Object Oriented Programming
- Encapsulation
- Testing
- Third Party Libraries

Java Language

- Intro to Java (e.g., File Processing)
- Iterators and For-each Loops
- Exceptions
- Interfaces
- References
- JUnit*

Data Structures

- Lists
- Stacks
- Queues
- 2D Arrays
- Sets
- Maps

Java Collections

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

Review Resources

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

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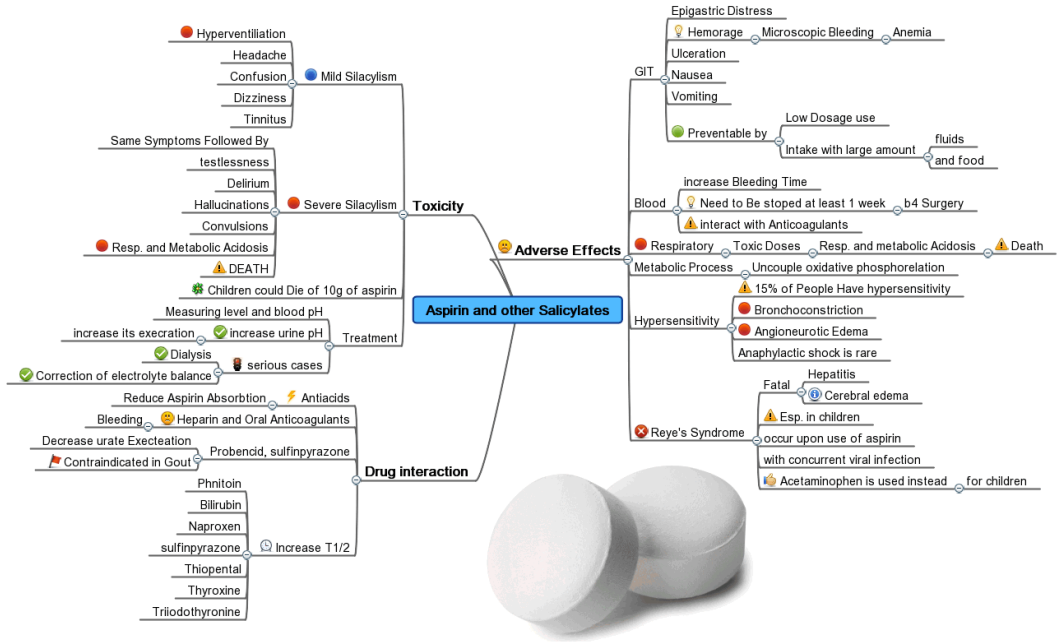
Study Strategies

- Study Early and Often
- Stay Healthy
- Study Like you Test
- Connect Problems: How is one problem similar/different to another?
- Mixed Practice vs. Massed Practice
- Embrace Difficulty
- Reference Sheet: Iterative Refining

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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- How to Study
  - Mind Maps
- **Practice: Stacks & Queues**