CS 61B Data Structures, Spring 2023

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Lecture: 1-2 MWF, Li Ka Shing 245, Zoom

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Announcements [View All]

Week 10 Announcements

Posted March 20, 2023 @ 00:00:00

See this post on Ed.

Hi soon-to-be spring 61Breakers! A couple announcements for this week!!

Summary of Important Dates

- **Week 9 Survey**: due Monday 3/20 at 11:59PM PT
- Lab 9 (a.k.a. Proj2b checkpoint) is due Monday 3/20
- Project 2B due Friday 3/24

Calendar

Week	Date	Reading	Lecture	Discussion / Review	Lab	Assignments/Exams
1	No Classes			No discussion week 1.	IntelliJ, Git (due 1/24) [slides]	
	Wed 01/18	1.1	1. Intro [vid] [recording] [slides] [guide]			HW0A: A Java Crash Course (due 1/20)
	Fri 01/20	1.2	2. Classes, Lists, Arrays, Maps [video] [slides] [guide]			Homework 0B: A Java Crash Course (due 1/23) Project 0: Awakening of Azathoth (due 1/30)
2 survey	Mon 01/23	2.1	3. References, Recursion, and Lists [video] [slides] [guide]	Introduction To Java [solution] [video] [slides] Introduction To Java (Exam-Level) [solution] [video] [slides] Tutor Review Session (1/27) [solution] [video] [slides]	Debugging (due 1/27) [slides]	HW1: Being a Good Classmate (due 1/30)
	Wed 01/25	2.2	4. SLLists, Nested Classes, Sentinel Nodes [video] [slides] [guide]			Project 0 (due 1/30)
	Fri 01/27	2.3, 2.4	5. DLLists, Arrays [video] [slides] [guide]			[Lab 02 due 1/27, Project 0 due 1/30]
3 survey	Mon 01/30	Optional: TDD is dead, Unit Tests Are Waste, Response	6. Testing [video] [bonus video] [slides] [guide]	Scope, Static, Linked Lists, Arrays [solution] [video] [slides] Arrays, Linked Lists (Exam-Level) [solution] [video] [slides] Exam Review Session (2/3) [solution] [video][slides]	Timing (due 2/3) [slides]	Project 1A: Deques (due 2/6)
	Wed 02/01	2.5	7. ArrayLists, Resizing [video] [slides] [guide]			Project 1A (due 2/6) Project 1B (due 2/15)
	Fri 02/03	4.1	8. Inheritance, Implements [video] [slides] [guide]			
4 survey	Mon 02/06	Ch 9	9. Extends, Casting, Higher Order Functions [video] [slides]	Inheritance [solution] [video] [slides] Inheritance (Exam-Level) [solution] [video] [slides]	Project 1 Workday	[Project 1A due 2/6]
	Wed 02/08		10. Ask Anything (midterm prep) [video] [slides]			Midterm 1 (**Thursday** 2/9) 7-9 PM
	Fri 02/10	Ch 11	11. Subtype Polymorphism, Comparators, Comparable [video] [slides]			Project 1B (due 2/15)
5 survey	Mon 02/13	Ch 12	12. Iterators, Object Methods [video] [slides]	Iterators, Iterable, Polymorphism [solution] [video] [slides] Iterators, Polymorphism (Exam-Level) [solution] [video] [slides]	Advanced Git and Debugging (due 2/17) [videos] [slides]	Project 1C (due 2/22)
	Wed 02/15	Ch 13	13. Asymptotics I [video] [slides]			[Project 1B due 2/15]
	Fri 02/17	Ch 14	14. Disjoint Sets [video] [slides]			Project 1C (due 2/22)
6 survey	Mon 02/20: Academic Holiday			Asymptotics, Disjoint Sets [solution] [video] [slides] Asymptotics, Disjoint Sets (Exam-Level) [solution] [video] [slides]	Project 1 Peer Review (due 2/24)	Homework 2 (due 3/1)
	Wed 02/22	Ch 15	15. Asymptotics II [video] [slides]			[Project 1C due 2/22]
	Fri 02/24	Ch 16	16. ADTs, Sets, Maps, BSTs [video] [slides]			Project 2A (due 3/8)
7 survey	Mon 02/27	Ch 17	17. B-Trees (2-3, 2-3-4 Trees) [video] [slides]	ADTs, Asymptotics II, BSTs [solution] [video] [slides] ADTs, Asymptotics II, BSTs (Exam-Level) [solution] [video] [slides]	BSTMap (due 3/3) [slides]	Project 2A (due 3/8)
	Wed 03/01	Ch 18	18. Red Black Trees [video] [slides]			[Homework 2 due 3/1]
	Fri 03/03	Ch 19	19. Hashing [video] [slides]			Project 2A (due 3/8)
8 survey	Mon 03/06	Ch 20	20. Hashing II [video] [slides]	B-Trees, LLRBs, Hashing [solution] [video] [slides] B-Trees, LLRBs, Hashing (Exam-Level) [solution] [video] [slides]	HashMap (due 3/10) [video] [slides]	Homework 3 (due 3/13)
	Wed 03/08	Ch 21	21. Heaps and PQs [video] [slides]			[Project 2A due 3/8]
	Fri 03/10	Ch 22	22. Tree and Graph Traversals [video] [slides]			Project 2B (due 3/24)
9 survey	Mon 03/13	Ch 23	23. Graph Traversals and Implementations [video] [slides]	Graphs, Heaps [solution] [video] [slides] Graphs, Heaps (Exam-Level) [solution] [video] [slides]	Project 2B Checkpoint (due 3/20)	[Homework 3 due 3/13]
	Wed 03/15	Ch 24	24. Shortest Paths [old video] [slides]			Midterm 2 (**Thursday** 3/16) 7-9 PM
	Fri 03/17	Ch 25	25. Minimum Spanning Trees [video] [slides]			
10	Mon 03/20	Ch 26	26. Prefix Operations and Tries [video] [slides]	Shortest Paths, MSTs [solution] [video] [slides] Shortest Paths, MSTs (Exam-Level) [solution] [video] [slides]	No Lab (Project 2 Workday)	Project 2B (due 3/24)
	Wed 03/22	Ch 27	27. Software Engineering I [video] [slides]			
	Fri 03/24	Ch 28	28. Reductions and Decomposition [video] [slides]			[Project 2B due 3/24]
11	Spring Break			No Discussion	No Lab	
	Spring Break					
	Spring Break					
12 survey	Mon 04/03	Ch 29	29. Basic Sorts [video] [slides]	Graphs II, Tries [solution] [video] [slides] Graphs II, Tries (Exam-Level) [solution] [video] [slides]	Getting Started on Project 3 (due 4/7) [slides]	Project 3 (due 4/24)
	Wed 04/05	Ch 30	30. Quick Sort [video] [slides]			
	Fri 04/07	Ch 31	31. Software Engineering II [video] [slides]			
13 survey	Mon 04/10	Ch 32	32. More Quicksort, Quick Select, Stability [video] [slides]	Sorting [solution] [video] [slides] Sorting (Exam-Level) [solution] [video] [slides]	Interactivity in Project 3 (due 4/14) [slides]	Project 3 (due 4/25)
	Wed 04/12	Ch 33	33. Software Engineering III [video] [slides]			
	Fri 04/14	Ch 34	34. Sorting and Algorithmic Bounds [video] [slides]			[Project 3 Phase 1 due 4/14]
14 survey	Mon 04/17	Ch 35	35. Radix Sorts [video] [slides]	More Sorting [solution] [video] [slides] More Sorting (Exam-Level) [solution] [video] [slides]	Project 3 Workday	Project 3 (due 4/25)
	Wed 04/19	Ch 36	36. Sorting and Data Structures Conclusion [video] [slides]			
	Fri 04/21	Ch 37	37. Software Engineering IV Designing 61B [video] [slides]			
15 survey	Mon 04/24	Ch 38	38. Compression [video] [slides] [guide]	Goodbye, Fun	Project 3 Demos	[Project 3 Phase 2 due 4/25]
	Wed 04/26	Ch 39	39. Compression, Complexity, and P=NP? [video] [slides]			Homework 4 (due 5/5)
	Fri 04/28	None	40. Summary, Fun [slides]			
16	RRR Week			No Discussion	No Lab	[HW4 due 5/5]
	RRR Week					
	RRR Week					
Finals Week (May 08-12) Final exam: Tuesday May 9th, 8-11 AM						

Lab / Discussion Schedule

Each discussion section is now a **bridge**, **practice**, or **exam level** discussion section. You can find more information about each section in the Week 2 Announcements on Ed.

Jan 15 – 21, 2023

today < >

Mon 1/16

Tue 1/17

Wed 1/18
- 3:00 - 5:00 Anton and Crystal's Lab @ Soda 273
- 3:00 - 5:00 Elisa and Shirley's Lab @ Soda 275
- 3:00 - 5:00 Jedi and Omar's Lab @ Soda 271
- 5:00 - 7:00 Aram's Lab @ Soda 275
- 5:00 - 7:00 Laksith and Dhruti's Lab @ Soda
- 5:00 - 7:00 Shreyas Kompalli's Lab @ Soda 273
- 7:00 - 9:00 Emily Su and Eric's Lab @ Soda 273
- 7:00 - 9:00 Sherry's Lab @ Soda 275

Thu 1/19
- 9:00 - 11:00 Angelina's Lab @ Soda 273
- 9:00 - 11:00 Jennifer and Stella's Lab @ Soda
- 9:00 - 11:00 Kenneth and Yaofu's Lab @ Soda
- 1:00 - 3:00 Jasmine's Lab @ Soda 275
- 1:00 - 3:00 Lucy and Allen's Lab @ Soda 271
- 1:00 - 3:00 Noah's Lab @ Soda 273
- 3:00 - 5:00 Anish and Eddie's Lab @
- 3:00 - 5:00 Dom and Ali's Lab @
- 3:00 - 5:00 Max's Online Lab @ https://b
- 3:00 - 5:00 Vidya and Adit's Lab @
- 5:00 - 7:00 Alex's Lab @ Soda 273
- 5:00 - 7:00 Austin and Circle's Lab @ Soda 275
- 5:00 - 7:00 Sahityasree and Shreyas Kallingal's Lab

Fri 1/20
- 9:00 - 11:00 Alexander and Hailey's Lab @ Soda 273
- 9:00 - 11:00 Kyle's Lab @ Soda 271

Google Calendar | iCal

Office Hour Schedule

Note: Office hours are on Monday, Wednesday and Friday. On Wednesday, Thursday, and Friday, feel free to come to lab with your questions.

Jan 15 – 21, 2023

today < >

Sun 1/15

Mon 1/16

Tue 1/17

Wed 1/18
- 10:00 - 12:00 Online Office Hours @ https://berkeley.zoom.us/ pwd=UytvelREWnkvNkw
- 3:00 - 5:00 Office Hours @ Wozniak Lounge

Thu 1/19
- 11:00 - 1:00 Office Hours @ Soda 273 and 275

Fri 1/20
- 10:00 - 11:00 Online Office Hours @
- 11:00 - 1:00 Office Hours @ Soda 271, 273, and 275

Sat 1/21

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