

**SI SESSION PLAN**

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| SI Leader: | Alex Iacob | Session Date: | 10/14/21 |
| Week #: | 8 | Session Letter: | B |
| Course & Section: | CSCI 141 Section 3 | Course Instructor: | Steele |
| Planning Date: | 10/13/21 | Planning Time: |  |

**Beginning reminders:**

1. Is the room set up in a way conducive to collaborative learning?
2. Is the agenda posted to the board for participants to see?
3. Do you have your attendance sheet up to record your attendance?
4. Do you have any other documents/resources up and ready to go for your session?

If you are all set with the reminders, then go have fun and good luck!

**Main concepts student should feel more comfortable with:**

* Basic idea of what sorting algorithms are meant to do
* Time complexities

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| **Topics to cover** | **Process to use\*:** | **Time** |
| **Opener:** Announcements | Lab sessions swap starting week 9 – split everyone in two groups | 2-3 |
| Sorting on the board | Generate 10 random numbers and have one group do merge sort on the numbers and the other do quick sort. Give them ~5 minutes, then they explain each step to the other group. | 10-15 |
| Type up merge sort | Popcorn programming to get the functionality of merge sort working | 30 - 35 |
| **Closer:** Time complexity sheet (Credits to Ren) |  | 5 - 10 |

*\*Possible processes: puzzles, informal quiz, think-pair-share, paired problem solving, graphic organizers, cheat sheets, collaborative questioning, student summaries, reviewing notes, work at the board, vocabulary…*

**Ending reminders:**

1. Did you check everyone in?
2. Did you remind everyone of the next session and any upcoming tests or quizzes or due dates?

**What closing tips/strategies would you like to emphasize through sessions this week?** Please be specific.

* Remember the time complexities of these sorting algorithms

**After session thoughts:** How did the session go? Is there anything you would like to keep/drop/change for next time and how?

* It was pretty casual, and more low-energy than other sessions. To be fair, I was fairly under-the-weather, so I couldn’t match the energy that I usually bring.

**Bi-Weekly Question:** Do you find you now have regulars at your sessions? Please tell us about one or two of them. If you don’t have any regulars, how might you encourage students to attend regularly?

* I have two regulars who have shown up to basically every session so far, and a few that only come to the A session or B session, but not both.

The first has come to every session but one because she was sick that specific day. She has experience in C++ which gives her a decent one-up among her peers while causing some confusion while swapping over to Python. Although she’s dead silent in class, she is always willing to participate in sessions whether it be the task at hand or just commenting on what we’re doing. She seems to get mostly everything and she is there to some extra help in places that she isn’t fully confident in.

The second has also come to basically every session. He remind me a lot of myself when I was a freshman; seems pretty introverted and unsure of many college things so far. I think he’s really getting stuff out of my sessions. He has gotten comfortable enough to basically ask anything he wants in my sessions regardless of how minor it may seem. He’s gotten to the point where he actively participates in nearly all session activities. Both of us talk pretty casually during sessions.

I’m pretty proud of my regulars and the relationship that I have with them.