

**SI SESSION PLAN**

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| SI Leader: | Alex Iacob | Session Date: | 10/31/22 |
| Week #: | 11 | Session Letter: | B |
| Course & Section: | CSCI 141 Section 7 | Course Instructor: | Steele |
| Planning Date: | 10/31/22 | Planning Time: | 4:55 - 5 |

**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:**

* Linked structures

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| **Topics to cover** | **Process to use\*:** | **Time** |
| **Opener:** Announcements | Exam is next week  There is a TA review, go to it  Project will be released next week | 2-3 |
| Linked structures | Linked structures allow us to have dynamic arrays of any undefined size. In other languages, you have to pre-define the size of your array. In python this is not an issue, however in future languages you’ll have to start doing so.  A linked structure is just any dataclass such that:  @dataclass  Class Node:  Value: Any  Next: Union[‘Node’, None]  We can treat this like a typical dataclass, where we can do things like  Node1 = Node(1, None)  *And*  Node2 = Node(2, Node1)  Likewise we can also do:  Node1.value to get 1 | 10-15 |
| Linked List insertion | How would we be able to insert a particular Node in the correct location so that our linked list runs from least to greatest.  def insert\_in\_order(value, lnk):  if lnk.value >= value:  return LinkedNode(value, lnk)  else:  return(lnk.value, insert\_in\_order(value, lnk.next) | 20-25 |
| Open time to talk about other topics | With the remaining time, it is just whatever the students choose to talk about. There are going to be topics that they are weaker in, so we can focus on those | Remaining time |
| **Closer:** Remind of resources | We have a lot of resources for these exams, the SSE on the first floor usually has some old exams you can look over.  There is also Prof. Steele’s office hours, the SLIs, the TA, and | 2-3 |

*\*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 is one thing you want to emphasize during this session?** Please be specific.

* You have a lot of resources, be sure to utilize as many as you can.

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

* I got a new student come today, which was pretty nice. Overall, these past few sessions have just been a lot of open ended time. I would probably choose to keep this open time for weaker topics. I would also probably change my openers and closers to be more interesting, but we usually end up talking during them.

**Bi-Weekly Question:** What have you done to improve upon feedback you received in your observations? Have you completed your peer observation yet?

* As of now, I have yet to do an observation. The main feedback that I get is about putting an agenda on the board, which is very fair, however I am liking these more open-ended segments of the session, where I allow the students to gauge what topics they are weaker on.