|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SI SESSION PLAN** | |  |  |  |  | | --- | --- | --- | --- | | SI Leader: | Alex Iacob | Session Date: | 4/24/23 | | Week #: | 14 | Session Letter: | A | | Course & Section: | CSCI 141 Section 2 | Course Instructor: | Polak | | Planning Date: | 4/24/23 | Planning Time: | 3:15 – 3:30 | |

**Beginning reminders:**

Is the room set up in a way conducive to collaborative learning?

Is the agenda posted to the board for participants to see?

Do you have your attendance sheet up to record your attendance?

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!

**Is there a study strategy you want to focus on? (If so, what is it? Otherwise, leave blank.)**

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

Hashing

Open addressing

Chaining

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity\*** | **Process to use** | **Time** | **After Session Thoughts** |
| **Opener:**  Talk with everyone | One of my students had her father come in and do a presentation last Friday during the same time we had SI training, so I could not make it sadly. | 5-10 | She said that she expected a little more attendance, though getting anything more than like 5 people in a Golisano event without food is a miracle. Still happy for her though 😊   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | ☹ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ☺ | |  |  |  |  |  |  |  |  |  |  | |
| **Hashing review** | Dealing with collisions:  Open addressing is when we try to insert the value into the next open position in the hash table until we find an open spot. This keeps the hash table at a constant look-up time complexity, though does not guarantee that a value is where we meant to insert it.  Chaining is when we “chain” the values with the same hash value together at the same index in the hash table. This can be done with a linked list or a typical list. This guarantees that our value we inserted is at the value we meant to insert it at, though look-up time complexity is not guaranteed to be constant anymore.  Split everyone into two groups and run though an example of different collision handling to see the difference between the resulting hash tables. | 35-40 | Pretty simple concepts, we finished in about half the time.   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | ☹ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ☺ | |  |  |  |  |  |  |  |  |  |  | |
| **Closer: Project help** | See how everyone is doing with the project and see places where I could help out. | Remaining | As expected, people haven’t started it, but I am trying to slightly guilt them into starting it.   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | ☹ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ☺ | |  |  |  |  |  |  |  |  |  |  | |

*\*See the* [*Activity Database*](https://docs.google.com/spreadsheets/d/1Oc6uAX2Uaq2Ym6M1FQjivRI_ryA_T9k1AcEKi__3Ml4/edit?usp=sharing) *and* [*SI Share*](https://drive.google.com/drive/folders/1WKkkRXpRW6_OVdc4eFVgAkDRt7y8E_VT?usp=sharing) *for ideas.*

**Ending reminders:**

Did you mark down attendance on your attendance sheet?

Did you remind everyone of the next session and any upcoming tests or quizzes or due dates?

Did you fill in the after session thoughts?

**Optional Notes and Comments:**

**Bi-Weekly Question:** Have you started final exam prep? Are you planning a bonus session before the final?

I will probably do a final exam review, as I’ve done every semester of doing SI.