Data Structures 9/21/2016

0145-343-001

Note Taker: Jai Punjwani

ANNOUNCEMENTS

Quiz: Monday, 9/26

NOTES

Topic: Queues/LinkedLists

PowerPoint: <http://home.adelphi.edu/~siegfried/cs343/343l4.pdf>

* a list of any object/data type that links items by nodes
* a linked list is just like a queue in that we insert elements in the end, and access them from the front
* similar to queues, when we only have one element in the linked list, front and rear are both null
* operations such as removing or inserting: we want to readjust our nodes. Say we want to insert an element at index X. The question is do we insert it BEFORE index x+1 or AFTER x-1? We want to insert it AFTER x-1 because to traverse a linked list, we go in the forward direction.