Data Structures 9/19/2016

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ANNOUNCEMENTS

Quiz Postponed to: Monday, 9/26

NOTES

Topic: Queues

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

* Queues are FIRST IN FIRST OUT (analogous to any queue you might wait on), unlike stacks
* Objects are added in the rear of a queue, and exit from the front
* Testing for emptiness in a queue. If front of queue = back of queue, then queue is empty
* Special type of queues: **Priority Queue**. Elements are added in any order, but are sorted in ascending to descending priority, and are processed after sorting.
* Example: Six Flags line for a roller coaster. People go on the line. People with an EZ pass skip those without an EZ pass. Thus, the people with the EZ pass have a higher priority and are served first despite entering the queue later.