EECE.3220: Data Structures Spring 2017

Lecture 16: Key Questions March 1, 2017

1. Explain the new and delete operators.

2. If we implement a list using dynamic arrays, what parts of the class stay the same? What's different? What needs to be added?

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3. Explain how the constructor needs to change in a dynamically allocated list.

4. Explain the purpose and operation of a destructor.

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5. Explain the purpose and operation of copy constructors and the = operator. Why are the default versions of these functions not suitable for objects with dynamically allocated members?

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6. Explain the general design of a linked list.