Read the analysis document before begining this assignment.

The purpose of this assignment is to practice implementing and analyzing linked lists.

The assignment must be completed in pairs.

1. The Problem

We have been asked to construct a list representation that can accommodate any type of item. We decide to implement a doubly linked list and compare its performance to Java's ArrayList to determine which is more efficient.

2. Requirements

- 1. Create a class MyLinkedList<E> that implements a doubly-linked list according to this List interface. Do not modify the file name, package name, or signatures of any methods. Implement every method in the interface according to the functionality described in the comments. Your list should use 0-based indexing just like an array (the first item is considered at index 0). Also, notice the required Big-O behavior for each method when implemented for a doubly-linked list. Adhere to the following rules.
 - Add your MyLinkedList class to the assignment6 package.
 - Include a zero-parameter constructor, public MyLinkedList().
 - Do not use Java's LinkedList class.
- 2. Create and submit tests for the MyLinkedList class. Consider carefully how to test for a broad range of inputs.
- 3. When preliminary coding is complete and your program compiles without error or warning, test the program thoroughly and systematically.

Your code should be well-commented (Javadoc comments are recommended) and formatted such that it is clear and easy to read. Be sure to put the names of both programming partners in the header comment of each file.

Zip your source code files (no .class files) and upload the zip file here by 5p on February 21. Please submit just one solution per pair.

NAVIGATION



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Participants

General

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analysis; Data

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Linked Lists





4. Analysis Document (must be written and submitted by each programming partner)

due February 21 at 5p

Due date: Thursday, 21 February 2013, 7:00 PM

Submission feedback



Paymon Saebi Monday, 18 March 2013, 8:56 AM

Grade: 88.00 / 100.00

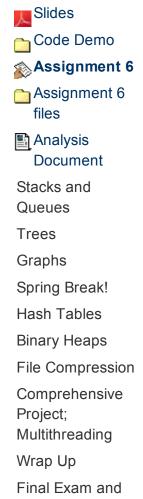
- Please see the attached files for grading details and analysis feedback.
- Apologies for the delay in posting your grade for this assignment!



Submission



No further submissions are allowed.





Assignment administration Submission

Review

29 April - 5 May

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Course administration

My profile settings