

# CMPSCI 187, Spring 2015 Discussion #9

## Doubly-Linked Lists: Group Response Sheet

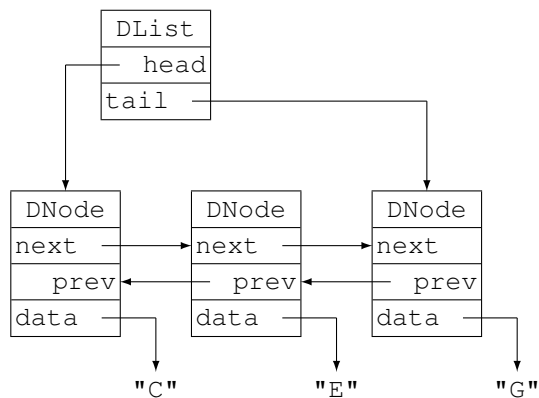
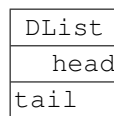
Marc Liberatore and John Ridgway

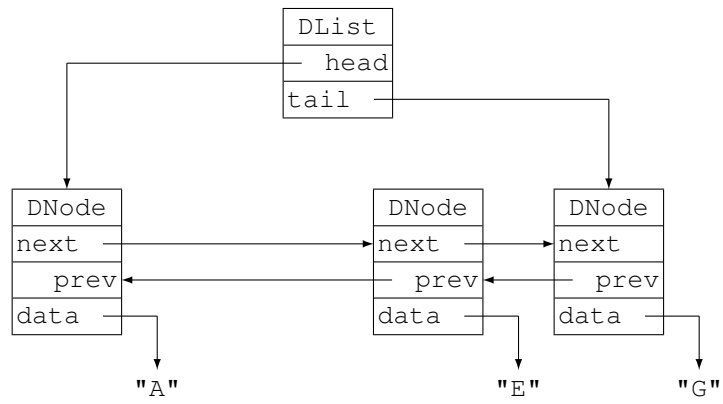
30 March 2015

Names: \_\_\_\_\_

Each *pair* of students should hand in one response sheet.

**Question 1:** To satisfy yourself that this method always works draw a picture that shows adding a node to an empty list; a second that shows adding a node to the beginning of a non-empty list; a third that shows adding a node to the end of a non-empty list; and a fourth that shows adding an element in the middle of a list.





**Question 2:** Write a method `void removeNode(DNode<T> nodeToRemove)` that takes a reference to a particular node in the list and removes that node.

(Question 3 is on the other side.)

**Question 3:** Write a method `moveInto` with the following signature:

```
void moveInto(DList<T> other, DNode<T> insertAfter)
```

The method moves all of the elements from `other` into the current list, after the element `insertAfter`. If `insertAfter` is **null**, they should be inserted at the start of the list. Note that the `other` list should end up empty.