

**University of Pittsburgh**  
**Department of Electrical and Computer Engineering**  
**ECE 0302: Data Structures and Algorithms**

**In-Class Exercise 5: Ordered List Linked List**

Instructions: Implement the ordered list ADT using a linked List.

1. Download the starter code
2. Node.hpp and Node.cpp are a provided node class definition and implementation. You use to help you design the required class.
3. abstract\_list.hpp has the Abstract interface that the linked list you are going to build would be inherited from.
4. linked\_list.hpp has the methods declaration of all the required operation for the linked list class and your implementation should go in linked\_list.cpp.
5. your tests should go in test\_linked\_list.cpp.

Hint: You should order the linked list items 1 to N (1-based indexing) to distinguish it from an array that indexes from 0 to N-1 (0-based indexing).

Submission: submit a zipped folder to Canvas.