

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

**In-Class Exercise 6: Sorted-LinkedList**

Instructions: Implement the sorted 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, linked\_list.hpp, linked\_list.hpp are the implementation for the Ordered LinkedList class. The tpp file is empty as you can use your previous implementation from ICE 5 (OrderedList-LinkedList). Make sure to convert the indexing back to 0-based indexing.
4. abstract\_sorted\_list.hpp, sorted\_linked\_list.hpp, sorted\_linked\_list.hpp are the implementation for the Sorted-LinkedList class that you have to implement.
5. your tests should go in test\_sorted\_linked\_list.cpp.

Submission: submit a zipped folder to Canvas.