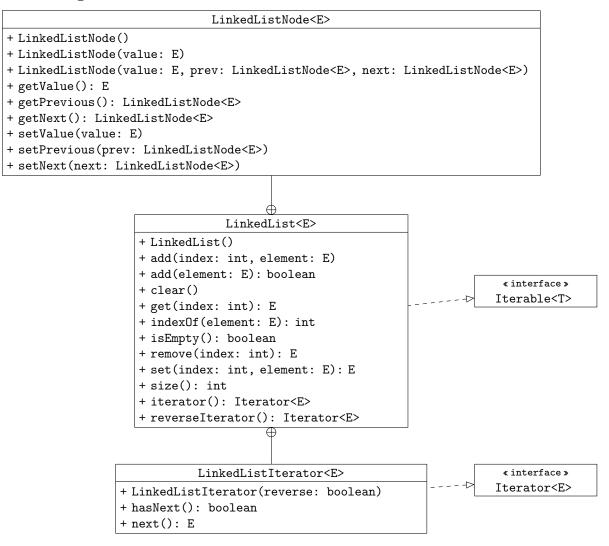
Program 6

Class LinkedList<E> is a *doubly-linked* list of LinkedListNode<E>, such that a node contains a reference to some object of type E. The class should internally maintain some notion of *head* and *tail*, and support forward and reverse iteration by implementing the Iterable interface. Each node should internally maintain some notion of *previous* and *next*.

Class Diagram



Implementation Notes

- All behaviors of class LinkedList should be semantically equivalent to those of class ArrayList from the previous assignment.
- Instances of class LinkedListNode should not be leaked outside of any instance of class LinkedList; i.e., nodes are strictly used as private internal state only.
- Forward iteration visits nodes from head to tail; reverse iteration visits nodes from tail to head.