Linked List class invariant

- The list has three instance variables self.head, self.size, and self.last
- 2. self.size is the number of nodes in the list.
- 3. If self.size = 0, then the list is empty, and self.head is None and self.last is None. If the list is non-empty, self.head is a reference to the first or head ListNode object in the list, and self.last is a reference to the last ListNode object in the list. If self.size =1, the self.head and self.last refer to the same ListNode object.
- 4. The last ListNode object in the list, at position self.size -1, has its link set to None. For every other ListNode in the list, the link refers to the next ListNode in the list.