**Data Structures: Linked Lists**

To succeed at this challenge, you'll need to demonstrate that you can do the following:

* Modify existing LinkedList class to implement a singly linked list.

You will not need to make any edits to HTML or CSS for this project.

**Instructions**

Your goal for this checkpoint is to get the tests to pass.  
To do so, you will be modifying an existing LinkedList class.

**Existing files**

| **file path** | **description** |
| --- | --- |
| \_\_tests\_\_/ | Contains the tests for all of the functions and classes in this checkpoint. |
| src/linked-list/linkedList.js | Contains a complete implementation of a linked list. |
| src/linked-list/queue.js | Implement a Queue using only a linked list. |
| src/linked-list/removeDuplicates.js | Implement a function to remove duplicate values from a sorted linked list. |
| src/linked-list/stack.js | Implement a Stack using only a linked list. |
| src/main.js | Contains examples of using the functions and classes in this checkpoint. |
| src/queue/parkingLot.js | Implement a Parking Lot that uses a Queue when the lot is full. |
| src/queue/queue.js | Contains a complete implementation of a Queue. |
| src/stack/isPalindrome.js | Implement an algorithm to check if a string a palindrome using a Stack. |
| src/stack/stack.js | Contains a complete implementation of a Stack. |

**Tasks**

Complete the following tasks to pass the tests and this assignment.

1. In the src/linked-list/queue.js file, implement a complete Queue using only a LinkedList.
2. In the src/removeDuplicates.js file, implement an algorithm to delete all duplicate values from a *sorted* linked list. Values may be numbers or strings.
3. In the src/linked-list/stack.js file, implement a complete Stack using only a LinkedList.
4. In the src/queue/parkingLot.js file, implement a Parking Lot that uses a Queue when the lot is full.
5. In the src/stack/isPalindrome.js file, implement an algorithm to check if a string a palindrome using a Stack.

Once these tasks are complete, all tests should pass.