The LinkedList class contains a private Node pointer that points to the first and last elements of the linked list. Each Node contains a back and a next pointer in order to make it a double LinkedList and be able to traverse the list bidirectionally. The class provides various member functions to manipulate the linked list, such as inserting a node at the end, removing a node from the end, inserting a node after a specific node, printing all the nodes in the list, and computing the sum of all nodes in the list. Additionally, there is a function that extracts values from a vector and creates a list based on these values removing the duplicated values and incrementing the occurrences variable of the node when a duplicate is found.

The main function asks the user to enter numbers to push into a vector until the sentinel value 99999 is entered. Then, a LinkedList object is created and populated with the values from the vector using the createVector function. An insertAfter function is also added to be able to push a value into the vector after a specific value inside the vector.