Front End Technologies Week 10 Coding Assignment

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

Instructions: In VS Code, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your JavaScript project code, to the repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

Coding Steps:

- 1. Using HTML, Bootstrap, and JavaScript create a single page website that contains the following:
 - **a.** A Bootstrap styled table representing your choice of data.
 - **b.** A Bootstrap styled form that allows a user to add a new row to the table when submitted.

Screenshots of Code:



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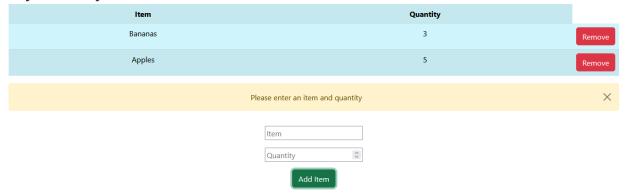
```
//itemID is an indentify to allow tracking of items added into the list
    let itemID = 0
     //addItem function takes an input of item and quantity from the input
     //adds item and quantity into the grocery list
10
    function addItem(item, quantity) {
        let table = document.getElementById('list')
        let row = table.insertRow(1)
        row.setAttribute('id', `item-${itemID}`)
        row.insertCell(0).innerHTML = item
        row.insertCell(1).innerHTML = quantity
        row.insertCell(2).appendChild(createDeleteButton(itemID++))
18
19
    //Eventlistener for the add item button
     //takes the values of the item and quantity inputs and checks if they are empty
20
    //then checks if items are already in list using checkItems() function
24
26
    document.getElementById('additem').addEventListener('click', () => {
27
28
         document.getElementById('alert').setAttribute('style', 'display:none')
29
         let item = document.getElementById('item').value
         let quantity = document.getElementById('quantity').value
32
         if(item == '' || quantity == ''){
33
            createAlert(item, quantity)
         else if(checkItems(item)){
36
            createAlert(item, quantity)
             addItem(item, quantity)
            document.getElementById('item').value = ''
             document.getElementById('quantity').value = ''
```

```
//Creates the alert if an item is already in the list
//adds a button to dismiss the alert which then hides the element using display:none
function createAlert(item, quantity){
    let alertButton = document.createElement('button')
    alertButton.setAttribute('class', "btn-close")
   alertButton.setAttribute('type', 'button')
   alertButton.setAttribute('id', 'dismissButton')
    alertButton.setAttribute('aria-label', 'close')
   let alert = document.getElementById('alert')
    alert.setAttribute('style', 'display:block')
    if(item === '' || quantity === ''){
       alert.innerHTML = `Please enter an item and quantity`
    alert.innerHTML = `${item} is already in list, please remove and change quantity`
   alert.appendChild(alertButton)
    document.getElementById('dismissButton').addEventListener('click', () =>{
       alert.setAttribute('style', 'display:none')
```

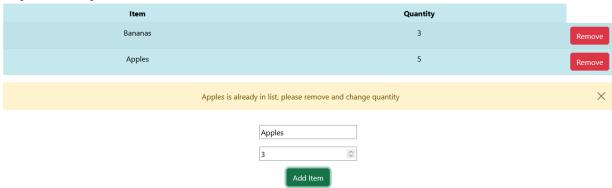


Screenshots of Running Application:

My Grocery List



My Grocery List



URL to GitHub Repository: https://github.com/n-harvey/week10CodingAssignment