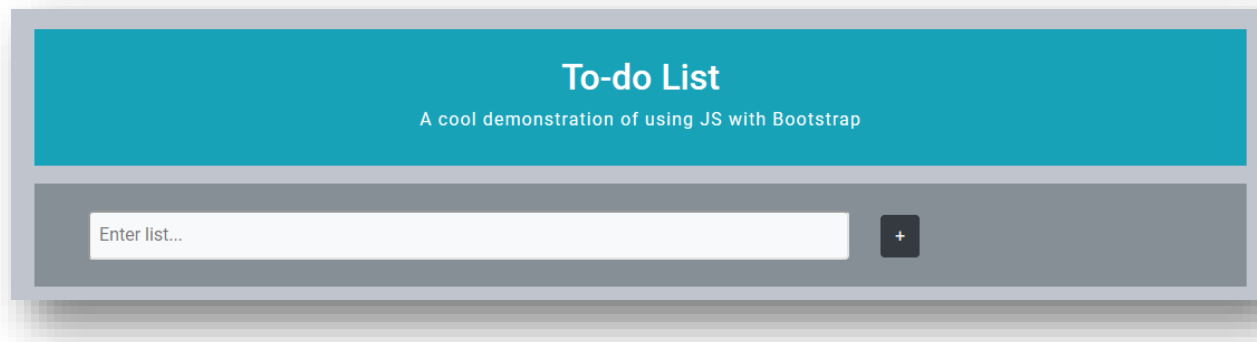


## Create a Simple To-Do List



This To-Do List application allows a user to add, delete, and mark-off tasks. There will be four functions to this application:

1. Add a To-Do Item.
2. List the Items.
3. Delete an Item.
4. Cross off an item.

For the sake of demonstration, this To-Do List stores the items within the DOM; however, in a real world environment, the items would be stored inside a database.

Launch the files and then view the code.

The HTML ~

- uses Bootstrap 4 framework

The CSS ~

- uses Bootstrap 4 framework
- imports fonts using googleapis
- style.css is used for modifying Bootstrap css

The jQuery library is used as well with this activity.

Code the JavaScript using the images as a guide.

```

1 // allows the form to function
2
3 // Declare variables
4 let addList = document.getElementById('add-list');
5 let listContainer = document.getElementById('items-list');
6

```

```

7 // Add event listeners
8 addList.addEventListener('click', addEvent); // calls the function that adds the item to the list
9 listContainer.addEventListener('click', removeEvent); // calls the function that removes the item
10 listContainer.addEventListener('click', crossOff); // calls the function that crosses-off the item
11

```

```

13 function addEvent(e)
14 {
15     e.preventDefault(); //values will appear in the list - from the jquery library
16     let displayList = document.createElement('li');
17     let inputValue = document.getElementById('new-item').value;
18
19     displayList.textContent = inputValue;
20     displayList.className = 'list-group-item mb-2 w-75'; //Bootstrap class
21
22     let completeTask = document.createElement("img");
23     completeTask.setAttribute('src', 'images/checkMark.png');
24     completeTask.className = 'mr-2 img-margin btn btn-sm btn-info float-right'; //Bootstrap button
25     completeTask.style.height = '30px';
26
27
28     let deleteTask = document.createElement('button');
29     deleteTask.innerHTML = 'x';
30     deleteTask.className = 'btn btn-sm btn-danger float-right mr-2'; //Bootstrap button
31
32     if(inputValue)
33     {
34         displayList.appendChild(completeTask);
35         displayList.appendChild(deleteTask);
36         listContainer.appendChild(displayList);
37         addList.reset();
38     }
39 }

```

```
41 //To delete list//
42 function removeEvent(e)
43 {
44     if(e.target.classList.contains('btn-danger')) // type of Bootstrap button
45     {
46         if (confirm('Are you sure?')) // window confirm method
47         {
48             let list = e.target.parentElement;
49             listContainer.removeChild(list);
50         }
51     }
52 }
```

```
55 //To check-off list//
56 function crossOff(e)
57 {
58     if(e.target.classList.contains('img-margin'))
59     {
60         let list = e.target.parentElement;
61         list.classList.toggle('cross');
62     }
63 }
```

The purpose of this week's activities is to expose you to working with various JS techniques. Granted, this is an overview of a very specific activity; however, it does provide you with a foundation that with practice and additional resources, you can easily master.

#### Deliverables:

- Upload compressed files using this dropbox
- No need to update the server