



Front End Technologies Week 4 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:



PROMINEO TECH

```
JS shoppingList.js U  index.html U X
<> index.html > html > body.container > div.card > div.card-body > div.row
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Shopping List</title>
8      <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.css">
9  </head>
10 <body class="container">
11     <br>
12     <h1 class="text-center">Shopping List</h1> <br>
13     <div class="card">
14         <div class="card-body">
15             <div class="row">
16                 <div class="col-sm">
17                     <div class="form-group">
18                         <label for="new-item">Item</label>
19                         <input type="text" class="form-control" id="new-item" placeholder="Item">
20                     </div>
21                 </div>
22                 <div class="col-sm">
23                     <div class="form-group">
24                         <label for="new-quantity">Quantity</label>
25                         <input type="text" class="form-control" id="new-quantity" placeholder="Quantity">
26                     </div>
27                 </div>
28             </div>
29             <div class="row">
30                 <div class="col-sm">
31                     <div class="form-group">
32                         <label for="new-location">Location</label>
33                         <input type="text" class="form-control" id="new-location" placeholder="Location">
34                     </div>
35                 </div>
36             </div>
37         </div>
38     </div>
39 </body>
40 </html>
```



PROMINEO TECH

```
37         <br>
38         <div>
39             <button id="add" class="btn btn-primary from-control">Create</button>
40         </div>
41     </div>
42 </div>
43
44 <table id="list" class="table table-dark table-striped">
45     <tr>
46         <th>Item</th>
47         <th>Quantity</th>
48         <th>Location</th>
49         <th>Action</th>
50     </tr>
51 </table>
52
53
54
55 <script src="shoppingList.js"></script>
56 <script src="node_modules/jquery/dist/jquery.js"></script>
57 <script src="node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>
58
59
60 </body>
61 </html>
```



PROMINEO TECH

```
JS shoppingList.js U X <> index.html U
JS shoppingList.js > addEventListener('click') callback > actions
1  let id = 0;
2
3  document.getElementById('add').addEventListener('click', () => {
4
5      let table = document.getElementById('list');
6      let row = table.insertRow(1);
7      row.setAttribute('id', `item-${id}`);
8      row.insertCell(0).innerHTML = document.getElementById('new-item').value;
9      row.insertCell(1).innerHTML = document.getElementById('new-quantity').value;
10     row.insertCell(2).innerHTML = document.getElementById('new-location').value;
11
12     let actions = row.insertCell(3);
13     actions.appendChild(createDeleteButton(id++));
14     document.getElementById('new-item').value = '';
15 });
16
17 function createDeleteButton(id) {
18     let btn = document.createElement('button');
19     btn.className = 'btn btn-primary';
20     btn.id = id;
21     btn.innerHTML = 'Delete';
22     btn.onclick = () => {
23         console.log(`Deleting row with id: item-${id}`);
24         let elementToDelete = document.getElementById(`item-${id}`);
25         elementToDelete.parentNode.removeChild(elementToDelete);
26     };
27     return btn;
28 }
```

Screenshots of Running Application:

Shopping List

Item

Item

Quantity

Quantity

Location

Location

Create

Item	Quantity	Location	Action
------	----------	----------	--------



PROMINEO TECH

Shopping List

Item

Item

Quantity

10 Lbs

Location

Butcher's Block

Create

Item	Quantity	Location	Action
Fillet Mignon	10 Lbs	Butcher's Block	Delete
Jacket	1	Target	Delete
Bread	12	Walmart	Delete

URL to GitHub Repository:

https://github.com/JoanaBarao7/FET_week4