PROMINEO TECH

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:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width", initial-scale=1.0">
        <title> Hike Database </title>
    <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.css">
</head>
<body class="container">
    <br>
    <table id="list" class="table thead-dark table-striped table-bordered
        table-hover">
        <tr>
            <th>Hike Name</th>
            <th>Distance</th>
            <th>Hike Date</th>
            <th>Actions</th>
        </tr>
    </table>
    <br><br>
    <div class="card">
        <div class="card-body">
            <div class="row">
                <div class="col-sm">
                    <div class="form-group">
                        <label for="hike-name">Hike Name</label>
                        <input type="text" class="form-control"
                            id="hike-name" placeholder="ex: Camelback">
                    </div>
                </div>
                <div class="col-sm">
                    <div class="form-group">
                        <label for="hike-date">Hike Date</label>
                        <input type="date" class="form-control"
                            id="hike-date">
                    </div>
                </div>
            </div>
            <div class="row">
                <div class="col-sm">
                    <div class="form-group">
                        <label for="distance">Distance</label>
                        <input type="text" class="form-control"
                            id="distance" placeholder="ex: 2 miles">
                    </div>
                </div>
                <button id="add" class="btn btn-primary form-control">Create</button>
```
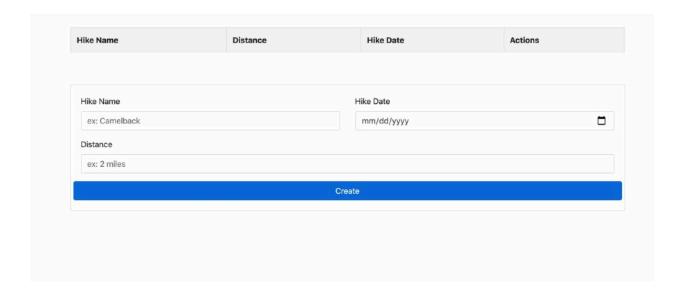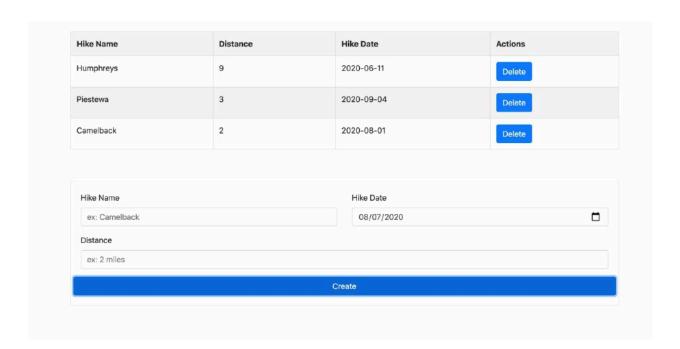
hikes.html

```html
46 <body class="container">
45     <br>
44     <table id="list" class="table thead-dark table-striped table-bordered
43         table-hover">
42         <tr>
41             <th>Hike Name</th>
40             <th>Distance</th>
39             <th>Hike Date</th>
38             <th>Actions</th>
37         </tr>
36     </table>
35     <br><br>
34     <div class="card">
33         <div class="card-body">
32             <div class="row">
31                 <div class="col-sm">
30                     <div class="form-group">
29                         <label for="hike-name">Hike Name</label>
28                         <input type="text" class="form-control"
27                             id="hike-name" placeholder="ex: Camelback">
26                     </div>
25                 </div>
24                 <div class="col-sm">
23                     <div class="form-group">
22                         <label for="hike-date">Hike Date</label>
21                         <input type="date" class="form-control"
20                             id="hike-date">
19                     </div>
18                 </div>
17             </div>
16             <div class="row">
15                 <div class="col-sm">
14                     <div class="form-group">
13                         <label for="distance">Distance</label>
12                         <input type="text" class="form-control"
11                             id="distance" placeholder="ex: 2 miles">
10                     </div>
 9                 </div>
 8                 <button id="add" class="btn btn-primary form-control">Create</button>
 7             </div>
 6         </div>
 5     <script src="hikes.js"></script>
 4     <script src="node_modules/jquery/dist/jquery.js"></script>
 3     <script src="node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>
 2 </body>
 1
55 </html>
hikes.html
```

```javascript
1  let id = 0;
2  document.getElementById('add').addEventListener('click', () => {
3      let table = document.getElementById('list');
4      let row = table.insertRow(1);
5
6      row.setAttribute('id', `item-${id}`);
7      row.insertCell(0).innerHTML = document.getElementById('hike-name').value;
8      row.insertCell(1).innerHTML = document.getElementById('distance').value;
9      row.insertCell(2).innerHTML = document.getElementById('hike-date').value;
10     let actions = row.insertCell(3);
11     actions.appendChild(createDeleteButton(id++));
12     document.getElementById('hike-name').value = '';
13     document.getElementById('distance').value = '';
14
15     //Added next 2 lines as practice. Resetting Date field to current today
16     //Have to manipulate the format of the date so days and months are always 2
17     let today = new Date();
18     date = today.getFullYear()+'-'+(('0' + (today.getMonth() + 1)).slice(-2))+'-'+(('0' + today.getDate()).slice(-2));
19     document.getElementById('hike-date').value = date;
20 });
21
22 function createDeleteButton(id){
23     let btn = document.createElement('button');
24     btn.className = 'btn btn-primary';
25     btn.id = id;
26     btn.innerHTML = 'Delete';
27     btn.onclick = () => {
28         console.log(`Deleting row with id: item-${id}`);
29         let elementToDelete = document.getElementById(`item-${id}`);
30         elementToDelete.parentNode.removeChild(elementToDelete);
31     };
32     return btn;
33 }
```

Screenshots of Running Application:

URL to GitHub Repository:

https://github.com/blentz100/Week4FrontEnd