PROMINEO TECH

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:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Week 10 Project</title>
    <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.css">

</head>
<body class="container">
    <br>

    <div class="card">
        <div class="card-body">
            <div class="row">
                <div class="col-sm-4">
                    <div class="form-group text-center fs-5">
                        <label for="sneaker-name">Sneaker Name</label>
                        <input type="text" class="form-control" id="sneaker-name" placeholder="Name of the Shoe">
                    </div>
                </div>
                <div class="col-sm-4">
                    <div class="form-group text-center fs-5">
                        <label for="sneaker-price">Sneaker Price Paid (Round To Nearest Dollar)</label>
                        <input type="number" class="form-control" id="sneaker-price" placeholder="Original Price">
                    </div>
                </div>
                <div class="col-sm-4">
                    <div class="form-group text-center fs-5">
                        <label for="purchase date">Date of Purchase</label>
                        <input type="date" class="form-control" id="purchase-date">
                    </div>
                </div>
            </div>
            <div class="row">
                <div class="col">
                    <button id="add" class="btn btn-primary mt-3 form-control">Add To My Collection</button>
                </div>
            </div>
        </div>
    </div>

    <table id="list" class="table mt-3 table-dark table-striped">
        <tr>
            <th>Sneaker Collection</th>
            <th>Retail Price (Round To Nearest Dollar)</th>
            <th>Date Purchased</th>
            <th>Remove</th>
        </tr>
    </table>


    <script src="week10Project.js"></script>
    <script src="node_modules/jquery/dist/jquery.js"></script>
    <script src="node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>

</body>
</html>
```
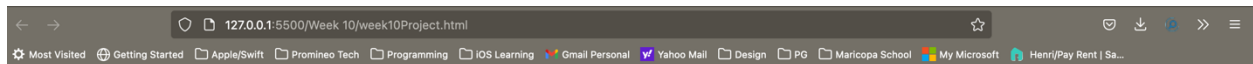
```
1    let id = 0;
2
3    document.getElementById("add").addEventListener("click", () => {
4        // console.log("This works!") //tested to see if the click to add button works
5        let newTable = document.getElementById("list");
6        let newRow = newTable.insertRow(1); // allows new row to be inserted after header row
7        newRow.setAttribute("id", `item-${id}`);
8        newRow.insertCell(0).innerHTML = document.getElementById("sneaker-name").value; // this allows the cell for Sneaker Collection to be filled by what the user enters
9        newRow.insertCell(1).innerHTML = document.getElementById("sneaker-price").value; // this allows the cell for Sneaker Price Paid to be filled by what the user enters
10       newRow.insertCell(2).innerHTML = document.getElementById("purchase-date").value; // this allows the cell for Date of purchase to be filled by what the user enters
11       let remove = newRow.insertCell(3); // allows remove button to be added to cell area title remove
12       remove.appendChild(createRemoveButton(id++)); //remove button and increments the collection shoe based on ID
13       document.getElementById("sneaker-name").value = ""; // resets Sneaker Name field blank after unit is added
14       document.getElementById("sneaker-price").value = ""; // resets Sneaker Price Paid field blank after unit is added
15       document.getElementById("purchase-date").value = ""; // resets Date Purchased field blank after unit is added
16   })
17
18   function createRemoveButton(id) {
19       let btn = document.createElement("button"); // creates button - tag of element we want to create
20       btn.className = "btn btn-primary";
21       btn.id = id; // btn ID will be attached to each shoe added to the collection
22       btn.innerHTML = "Remove"; // creating remove string
23       btn.onclick = () => { // adding similar type of event listener
24           let removeSneaker = document.getElementById(`item-${id}`);
25           removeSneaker.parentNode.removeChild(removeSneaker);
26       };
27       return btn;
28   }
29
30   // document.getElementsByClassName("btn").addEventListener("click", () => {
31   //     let removeSneaker = document.getElementById(`item-${id}`);
32   //     removeSneaker.parentNode.removeChild(removeSneaker);
33   //     return btn;
34   // }); // practice attempt at using event listener rather than onclick
35
36
```

Screenshots of Running Application:

URL to GitHub Repository:

https://github.com/Denaag/Week-10/blob/main/week10Project.html

https://github.com/Denaag/Week-10/blob/main/week10Project.js