



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:

```
Week10 > index.html > html > body.container > br
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>Word1</title>
8   <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.css">
9 </head>
10 <body class="container" style="background-color: #323532;">
11   <br>
12   <br>
13   <form>
14     <div class="row">
15       <div class="col-sm col-4">
16       </div>
17       <div class="col-sm">
18         <input class="form-control form-control-lg bg-transparent" id="1" type="text" maxlength="1" style="color: white;">
19       </div>
20       <div class="col-sm">
21         <input class="form-control form-control-lg bg-transparent" id="2" type="text" maxlength="1" style="color: white;">
22       </div>
23       <div class="col-sm">
24         <input class="form-control form-control-lg bg-transparent" id="3" type="text" maxlength="1" style="color: white;">
25       </div>
26       <div class="col-sm">
27         <input class="form-control form-control-lg bg-transparent" id="4" type="text" maxlength="1" style="color: white;">
28       </div>
29       <div class="col-sm">
30         <input class="form-control form-control-lg bg-transparent" id="5" type="text" maxlength="1" style="color: white;">
31       </div>
32       <div class="col-sm col-4">
33         <input type="button" class="btn btn-outline-light form-control-lg" value="Submit" id="enter">
34       </div>
35     </div>
36   </form>
37
38   <br>
39 <div class="container">
40   <div class="row">
41     <div class=" col-2">
42
43     </div>
```

```
39 <div class="container">
40   <div class="row">
41     <div class=" col-2">
42
43     </div>
44     <div class="col-sm ">
45       <table class="table table-dark table-md" id="guess">
46         <tr class="text-center">
47           <th > W</th>
48           <th class="bg-success" >0</th>
49           <th > R</th>
50           <th > D</th>
51           <th >L </th>
52         </tr>
53       </table>
54     </div>
55     <div class="col-2">
56
57     </div>
58   </div>
59
60   <script src="index.js"></script>
61   <script src="node_modules/jquery/dist/jquery.js"></script>
62   <script src="node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>
63 </body>
64 </html>
```



PROMINEO TECH

Week10 > JS index.js > addEventListener('click') callback

```
1 // keyword="prank"
2 let rowNum = 0;
3 document.getElementById('enter').addEventListener('click', () =>{
4     let table= document.getElementById('guess');
5     let row= table.insertRow();
6     rowNum++;
7     console.log(rowNum);
8     row.setAttribute('class', 'text-center');
9     row.insertCell(0).innerHTML= document.getElementById('1').value.toUpperCase();
10    row.insertCell(1).innerHTML= document.getElementById('2').value.toUpperCase();
11    row.insertCell(2).innerHTML= document.getElementById('3').value.toUpperCase();
12    row.insertCell(3).innerHTML= document.getElementById('4').value.toUpperCase();
13    row.insertCell(4).innerHTML= document.getElementById('5').value.toUpperCase();
14    //-----
15    if(document.getElementById('1').value.toUpperCase()==`P`){
16        table.rows[rowNum].cells[0].setAttribute('class', 'bg-success');
17    }
18    else if([`R`,`A`,`N`,`K`].includes(document.getElementById('1').value.toUpperCase())){
19        table.rows[rowNum].cells[0].setAttribute('class', 'bg-warning');
20    }
21    }
22    else{};
23    //-----
24    if(document.getElementById('2').value.toUpperCase()==`R`){
25        table.rows[rowNum].cells[1].setAttribute('class', 'bg-success');
26    }
27    }
28    else if([`P`,`A`,`N`,`K`].includes(document.getElementById('2').value.toUpperCase())){
29        table.rows[rowNum].cells[1].setAttribute('class', 'bg-warning');
30    }
31    }
32    else{};
33    //-----
34    if(document.getElementById('3').value.toUpperCase()==`A`){
35        table.rows[rowNum].cells[2].setAttribute('class', 'bg-success');
36    }
37    }
38    else if([`R`,`P`,`N`,`K`].includes(document.getElementById('3').value.toUpperCase())){
39        table.rows[rowNum].cells[2].setAttribute('class', 'bg-warning');
40    }
41    }
42    else{};
43    //-----
```



PROMINEO TECH

```
44 //-----
45     if(document.getElementById('4').value.toUpperCase()==`N`){
46         table.rows[rowNum].cells[3].setAttribute('class','bg-success');
47     }
48 }
49 else if(['R','A','P','K'].includes(document.getElementById('4').value.toUpperCase())){
50     table.rows[rowNum].cells[3].setAttribute('class','bg-warning');
51 }
52 }
53 else{};
54 //-----
55     if(document.getElementById('5').value.toUpperCase()==`K`){
56         table.rows[rowNum].cells[4].setAttribute('class','bg-success');
57     }
58 }
59 else if(['R','A','N','P'].includes(document.getElementById('5').value.toUpperCase())){
60     table.rows[rowNum].cells[4].setAttribute('class','bg-warning');
61 }
62 }
63 else{};
64
65
66
67 };
```

Screenshots of Running Application:

W	O	R	D	L
F	O	R	K	S
C	R	A	C	K
D	R	A	N	K
P	R	A	N	K

URL to GitHub Repository: <https://github.com/Toro0712/Week10.git>