



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:

CSS:



PROMINEO TECH

```
Wedding-Table-Planner.html  JS Wedding-Table-Planning.js  # styles.css  .gitignore

# styles.css > ...
1  body {
2    background-color: pink;
3    font-family: Georgia, 'Times New Roman', Times, serif;
4  }
5
6  .large-header {
7    font-size: 70px;
8  }
9
10 .large-p {
11   font-size: 25px;
12 }
13
14 .writing {
15   color: floralwhite;
16 }
17
18 .card-bg {
19   background: url(Pictures/Pink\ and\ White\ Damask.webp)
20 }
21
22 .btn-color {
23   background-color: darkred;
24   color: floralwhite;
25 }
26
27 .table-color {
28   background: url(Pictures/Pink\ and\ White\ Damask.jpg);
29 }
30
31 |
```

HTML:



PROMINEO TECH

```
Wedding-Table-Planner.html X JS Wedding-Table-Planning.js # styles.css .gitignore
Wedding-Table-Planner.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>Set Your Wedding Tables</title>
8   <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.css">
9   <link rel="stylesheet" href="styles.css">
10 </head>
11 <body class="container">
12   <br>
13   <h1 class="writing large-header">Welcome to "Set Your Wedding Tables"!</h1>
14   <br>
15   <p class="writing large-p">Using the buttons below, you can create a table to add guests
16   | to and keep track of your wedding guests' meals!</p>
17   <br>
18   <div class="d-grid gap2 col-8 mx-auto">
19     <button id="addTable" class="btn btn-color btn-lg" value="Set a Table">Set a Table!</button>
20   </div>
21   <br>
22   <br>
23   <br>
24   <div class="card">
25     <div class="card-body card-bg">
26       <div class="row">
27         <div class="col-sm">
28           <div class="form-group">
29             <label for="new-person">Name</label>
30             <input type="text" class="form-control" id="new-person" placeholder="First Name - Last Name">
31           </div>
32         </div>
33         <div class="col-sm">
34           <div class="form-group">
35             <label for="new-plus-one">Any Plus-Ones?</label>
36             <input type="text" class="form-control" id="new-plus-one" placeholder="Number">
37           </div>
38         </div>
39       </div>
40     </div>
41     <div class="row">
42       <div class="col-sm">
43         <div class="form-group">
44           <label for="new-meal-option">Meal Option</label>
45           <input type="text" class="form-control" id="new-meal-option" placeholder="Beef, Chicken, Vegetarian">
46         </div>
47       </div>
48     </div>
49     <div id="add-guest" class="btn btn-color">Add</div>
50   </div>
51 </div>
52 <br>
53 <div class="row">
54   <h5></h5>
55 </div>
56 </body>
57 <script src="Wedding-Table-Planning.js"></script>
58 <script src="node_modules/jquery/dist/jquery.js"></script>
59 <script src="node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>
60 </html>
61
62
63
64
```

Javascript:



PROMINEO TECH

```
Wedding-Table-Planner.html JS Wedding-Table-Planning.js X # styles.css .gitignore

JS Wedding-Table-Planning.js > addEventListener('click') callback
1 let id=0;
2 let tableId=0;
3
4 //creates a new table to add guests to
5 document.getElementById('addTable').addEventListener('click', () => { //on click, should add a table representing a "table" to the HTML page
6   tableId++; //sets the table number
7   let table = document.createElement('table'); //creates a table
8   let tr = document.createElement('tr');
9   let tbody = document.createElement('tbody')
10  for (let i = 0; i < 5; i++){ //sets all the headers for the table's information
11
12    let th1 = document.createElement('th');
13    let textNode = ''
14    switch (i) {
15      case 0:
16        textNode = document.createTextNode("Table Number");
17        break;
18      case 1:
19        textNode = document.createTextNode("Name");
20        break;
21      case 2:
22        textNode = document.createTextNode("Plus-Ones");
23        break;
24      case 3:
25        textNode = document.createTextNode("Meal-Options");
26        break;
27      case 4:
28        textNode = document.createTextNode("Actions");
29      }
30
31    th1.appendChild(textNode); //assembles the table
32    tr.appendChild(th1);
33    tbody.appendChild(tr);
34    table.appendChild(tbody);
35  }
36  document.querySelector('h5').appendChild(table); //places the table in the HTML page
37  table.setAttribute('id', 'table-${tableId}'); //sets table-ID so it can be connected to
38  table.setAttribute('class', 'table table-color text-dark table-striped'); //decorates the table
39  return table;
40 });
41
42
43 // adds a new guest and guest information to the table
44 document.getElementById('add-guest').addEventListener('click', () => { //on click, adds entered guest info into a created table row
45   let currentTable = document.getElementById('table-${tableId}'); //sets current table to be adding to
46   let row = currentTable.insertRow(1); //inserts a row
47   row.setAttribute('id', 'item-${id}'); //decorates the row
48   row.insertCell(0).innerHTML = `${tableId}`; //sets table number
49   row.insertCell(1).innerHTML = document.getElementById('new-person').value; //sets inputted name
50   row.insertCell(2).innerHTML = document.getElementById('new-plus-one').value //sets inputted plus-ones
51   row.insertCell(3).innerHTML = document.getElementById('new-meal-option').value; //sets meal-option
52   let actions = row.insertCell(4); //sets a delete button in last column of row
53   actions.appendChild(createDeleteButton(id++));
54   document.getElementById('new-person').value = ""; //these three reset values so you can enter new information
55   document.getElementById('new-plus-one').value = "";
56   document.getElementById('new-meal-option').value = "";
57 });
58
59
60 //creates a delete person button on the end of the row
61 function createDeleteButton(id) {
62   let btn = document.createElement('button'); //creates a delete button
63   btn.className = 'btn btn-danger'; //decorates button
64   btn.id = id; //assigns id so that it can delete proper information
65   btn.innerHTML = "Delete"; //gives label to button
66   btn.onclick = () => { //sets function so that on click, it will delete the
67     console.log("Deleting row with id: item-${id}"); // guest information associated with that id
68     let elementToDelete = document.getElementById('item-${id}');
69     elementToDelete.parentNode.removeChild(elementToDelete);
70   };
71   return btn;
72 };
73
74
```

Screenshots of Running Application:

Loaded Page:



PROMINEO TECH

Welcome to "Set Your Wedding Tables"!

Using the buttons below, you can create a table to add guests to and keep track of your wedding guests' meals!

Set a Table!

Name	Any Plus-Ones?
<input type="text" value="First Name - Last Name"/>	<input type="text" value="Number"/>
Meal Option	
<input type="text" value="Beef, Chicken, Vegetarian"/>	
<input type="button" value="Add"/>	

Adding a table:

Welcome to "Set Your Wedding Tables"!

Using the buttons below, you can create a table to add guests to and keep track of your wedding guests' meals!

Set a Table!

Name	Any Plus-Ones?
<input type="text" value="First Name - Last Name"/>	<input type="text" value="Number"/>
Meal Option	
<input type="text" value="Beef, Chicken, Vegetarian"/>	
<input type="button" value="Add"/>	

Table Number	Name	Plus-Ones	Meal-Options	Actions
--------------	------	-----------	--------------	---------

Adding a guest to the table:



PROMINEO TECH

Welcome to "Set Your Wedding Tables"!

Using the buttons below, you can create a table to add guests to and keep track of your wedding guests' meals!

Set a Table!

Name	Any Plus-Ones?
<input type="text" value="First Name - Last Name"/>	<input type="text" value="Number"/>
Meal Option	
<input type="text" value="Beef, Chicken, Vegetarian"/>	
<input type="button" value="Add"/>	

Table Number	Name	Plus-Ones	Meal-Options	Actions
1	Abby Heiser	1	Beef	<input type="button" value="Delete"/>

Adding another table:

Welcome to "Set Your Wedding Tables"!

Using the buttons below, you can create a table to add guests to and keep track of your wedding guests' meals!

Set a Table!

Name	Any Plus-Ones?
<input type="text" value="First Name - Last Name"/>	<input type="text" value="Number"/>
Meal Option	
<input type="text" value="Beef, Chicken, Vegetarian"/>	
<input type="button" value="Add"/>	

Table Number	Name	Plus-Ones	Meal-Options	Actions
1	Abby Heiser	1	Beef	<input type="button" value="Delete"/>

Table Number	Name	Plus-Ones	Meal-Options	Actions
--------------	------	-----------	--------------	---------

Adding guests to that table:



PROMINEO TECH

Welcome to "Set Your Wedding Tables"!

Using the buttons below, you can create a table to add guests to and keep track of your wedding guests' meals!

Set a Table!

Name	Any Plus-Ones?
<input type="text" value="First Name - Last Name"/>	<input type="text" value="Number"/>
Meal Option	
<input type="text" value="Beef, Chicken, Vegetarian"/>	
<input type="button" value="Add"/>	

Table Number	Name	Plus-Ones	Meal-Options	Actions
1	Abby Heiser	1	Beef	<input type="button" value="Delete"/>

Table Number	Name	Plus-Ones	Meal-Options	Actions
2	Hannah Heiser	0	Vegetarian	<input type="button" value="Delete"/>
2	Jake Daniels	3	Beef	<input type="button" value="Delete"/>

URL to GitHub Repository:

<https://github.com/aheiser2/Week-10-Website/blob/main/Wedding-Table-Planner.html>