



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:



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index.html > html > body.container > div.card > h3.text-center.mt-3

```
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    <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.css">
8    <title>week 10 project</title>
9  </head>
10
```

```
11
12 <body class="container">
13   <br>
14   <div class="card">
15     <h3 class="text-center mt-3">Book List</h3>
16     <div class="card-body">
17       <div class="row">
18         <div class="col-sm">
19           <div class="form-group">
20             <label for="new-start-date">Start Date</label>
21             <input type="date" class="form-control" id="new-start-date">
22           </div>
23         </div>
24         <div class="col-sm">
25           <div class="form-group">
26             <label for="new-end-date">End Date</label>
27             <input type="date" class="form-control" id="new-end-date">
28           </div>
29         </div>
30       </div>
31       <div class="row">
32         <div class="col-sm">
33           <div class="form-group">
34             <label for="new-book">Book Title</label>
35             <input type="text" class="form-control" id="new-book" placeholder="book title">
36           </div>
37         </div>
38       </div>
39     </div>

```



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```
40     <div>
41       <button id="add" class="btn btn-primary from-control">Create</button>
42     </div>
43   </div>
44 </div>
45
46   <table id="list" class="table table-striped table-dark table-border border-light">
47
48     <tr>
49       <th>Book Title</th>
50       <th>Date Borrowed</th>
51       <th>Start Date</th>
52       <th>Due Date</th>
53       <th>Actions</th>
54     </tr>
55
56   </table>
57
58
59
60
61
62   <script src="project.js"></script>
63   <script src="node_modules/jquery/dist/jquery.js"></script>
64   <script src="node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>
65 </body>
66 </html>
```

```
JS project.js > addEventListener('click') callback
1   let id = 0;
2
3   document.getElementById('add').addEventListener('click', () => {
4     let createdAt = new Date();
5     let table = document.getElementById('list');
6     let row = table.insertRow(1);
7     row.setAttribute('id', `item-${id}`);
8     row.insertCell(0).innerHTML = document.getElementById('new-book').value;
9     row.insertCell(1).innerHTML = `${createdAt.getFullYear()}-${createdAt.getMonth() + 1}-${createdAt.getDate()}`;
10    row.insertCell(2).innerHTML = document.getElementById('new-start-date').value;
11    row.insertCell(3).innerHTML = document.getElementById('new-end-date').value;
12    let actions = row.insertCell(4);
13    actions.appendChild(createDeleteButton(id++));
14    document.getElementById('new-book').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:

Book List

Start Date
mm/dd/yyyy

End Date
mm/dd/yyyy

Book Title
book title

Create

Book Title	Date Borrowed	Start Date	Due Date	Actions
------------	---------------	------------	----------	---------



PROMINEO TECH

Book List

Start Date

mm/dd/yyyy

End Date

mm/dd/yyyy

Book Title

book title

Create

Book Title	Date Borrowed	Start Date	Due Date	Actions
------------	---------------	------------	----------	---------

Book List

Start Date

04/16/2022

End Date

04/23/2022

Book Title

book title

Create

Book Title	Date Borrowed	Start Date	Due Date	Actions
Pride and Prejudice	2022-4-9	2022-04-16	2022-04-23	Delete



PROMINEO TECH

Book List

Start Date

04/16/2022



End Date

04/23/2022



Book Title

book title

Create

Book Title	Date Borrowed	Start Date	Due Date	Actions
Pride and Prejudice	2022-4-9	2022-04-16	2022-04-23	Delete



PROMINEO TECH

Book List

Start Date

04/21/2022



End Date

04/30/2022



Book Title

book title

Create

Book Title	Date Borrowed	Start Date	Due Date	Actions
The Invisible Man	2022-4-9	2022-04-21	2022-04-30	Delete
Pride and Prejudice	2022-4-9	2022-04-16	2022-04-23	Delete

Book List

Start Date

04/21/2022



End Date

04/30/2022



Book Title

book title

Create

Book Title	Date Borrowed	Start Date	Due Date	Actions
The Invisible Man	2022-4-9	2022-04-21	2022-04-30	Delete
Pride and Prejudice	2022-4-9	2022-04-16	2022-04-23	Delete



Book List

Start Date

04/21/2022



End Date

04/30/2022



Book Title

book title

Create

Book Title	Date Borrowed	Start Date	Due Date	Actions
The Invisible Man	2022-4-9	2022-04-21	2022-04-30	Delete

Book List

Start Date

04/21/2022



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Book Title

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Create

Book Title	Date Borrowed	Start Date	Due Date	Actions
The Invisible Man	2022-4-9	2022-04-21	2022-04-30	Delete

URL to GitHub Repository:

<https://github.com/tspears9/week10project.git>