PROMINEO TECH

Front End Technologies Week 12 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. Create a full CRUD application of your choice. If you can use an existing API, use AJAX to interact with it. However, you do not have to use an API. If you do not use an API, store the entities you will create, read, update, and delete in an array.
   a. Use a form to add new entities
   b. Build a way for users to update or delete entities
   c. Use Bootstrap and CSS to style your project

Screenshots of Code:

HTML:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset='utf-8'>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Chore Chart</title>
    <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.css">
    <link rel="stylesheet" href="style.css">
</head>
<body class="container">

    <div id="new-task" class="jumbotron">
        <h2>Chore List</h2>
        <label for="new-chore">New Chore:</label>
        <input type="text" id="new-chore" class="form-control" placeholder="Enter a new chore!"><br>
        <label for="task-description">Description:</label>
        <input type="text" id="task-description" class="form-control" placeholder="Enter a description of this chore!">
        <button id="addChore" class="btn btn-primary form-control">Add</button>
    </div>

    <ul id="chores">
        <!-- This is where your chores will be displayed -->
    </ul>

<div id="app">

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

</body>
</html>
```

JS:

```javascript
1    const submitButton = document.getElementById('addChore');
2    const newChoreInput = document.getElementById("new-chore");
3    const taskDescriptionInput = document.getElementById("task-description");
4    const choresOutput = document.getElementById('chores');
5
6    submitButton.addEventListener('click', async function() {
7        const myChore = newChoreInput.value;
8        const desc = taskDescriptionInput.value;
9        const newChore = { chore: myChore, desc: desc };
10
11       try {
12           await addChore(newChore);
13           newChoreInput.value = '';
14           taskDescriptionInput.value = '';
15       } catch (error) {
16           console.error('Error submitting chore:', error);
17       }
18   });
19
20   const addChore = async (newChore) => {
21       try {
22           // Generate a unique ID (e.g., using timestamp)
23           const id = Date.now().toString();
24
25           // Assign the generated ID to the newChore object
26           newChore.id = id;
27
28           const response = await fetch(
29               "https://65a83fbb94c2c5762da885a9.mockapi.io/Chore",
30               {
31                   method: "POST",
32                   headers: {
33                       "Content-Type": "application/json",
34                   },
35                   body: JSON.stringify(newChore),
36               }
37           );
```

```javascript
37              );
38
39              const data = await response.json();
40              console.log(data);
41              getChores();
42          } catch (error) {
43              console.error('Error adding chore:', error);
44              throw error;
45          }
46      };
47
48      const getChores = async () => {
49          const response = await fetch(
50              "https://65a83fbb94c2c5762da885a9.mockapi.io/Chore"
51          );
52          const data = await response.json();
53          console.log(data);
54          displayChores(data);
55      };
56
57      const deleteChore = async (id, event) => {
58          event.preventDefault();
59          await fetch(
60              `https://65a83fbb94c2c5762da885a9.mockapi.io/Chore/${id}`,
61              {
62                  method: "DELETE",
63              }
64          );
65          getChores();
66      };
67
68      const displayChores = (chores) => {
69          choresOutput.innerHTML = '';
70          chores.forEach(chore => {
71              const listItem = document.createElement('li');
72              listItem.classList.add('list-group-item');
73              listItem.innerHTML = `${chore.chore} - ${chore.desc}`;
```

```
73        listItem.innerHTML = `${chore.chore} - ${chore.desc}`;
74
75        const deleteButton = document.createElement('button');
76        deleteButton.classList.add('btn', 'btn-danger', 'ml-2');
77        deleteButton.textContent = 'Delete';
78        deleteButton.addEventListener('click', (event) => deleteChore(chore.id, event));
79
80        listItem.appendChild(deleteButton);
81        choresOutput.appendChild(listItem);
82    });
83  };
84
85  // Initial fetch and display
86  getChores();
87
```

CSS:

```css
1  body {
2      font-family: 'Arial', sans-serif;
3      background-color: #e34ac7;
4      padding: 20px;
5  }
```

Screenshots of Running Application:

Chore List

New Chore:

Enter a new chore!

Description:

Enter a description of this chore!

Add

Clean room - Make bed, pick up trash, put away clothes Delete

Misc - Whatever Delete

URL to GitHub Repository:

https://github.com/Vshea/Week12_CodingProject