



Front End Technologies Week 6 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. As a team, 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. Application should have at least 1 entity per team member
 - b. Use a form to add new entities
 - c. Build a way for users to update or delete entities
 - d. Use Bootstrap and CSS to style your project

Screenshots of Code-



PROMINEO TECH

```
File Edit Selection View Go Run Terminal Help
list.html - HTML Week 6 Project - Visual Studio Code

EXPLORER
HTML WEEK 6 PROJECT
  src
    launch.json
    settings.json
    node_modules
    index.html
    index.js
    list.css
    list.html
    list.js
    new.js
    package-lock.json
    package.json

list.html
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>Shopping List</title>
8   <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.css">
9   <link rel="stylesheet" href="list.css">
10 </head>
11 <body class="container">
12   <div id="new-list" class="list">
13     <div new shopping list?>
14       <input type="text" id="new-list-name" class="form-control"> <br>
15       <button id="create-new-list" class="btn btn-primary form-control">Create</button>
16     </div>
17   </div>
18   <div id="app">
19
20   </div>
21   <script src="node_modules/jquery/dist/jquery.min.js"></script>
22   <script src="list.js"></script>
23   <script src="node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>
24 </body>
25 </html>

In 25, Col 8 - Spaces: 4 - UTF-8 - CRLF - HTML - Port: 5500 - Preview

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list.js - HTML Week 6 Project - Visual Studio Code

EXPLORER
HTML WEEK 6 PROJECT
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    launch.json
    settings.json
    node_modules
    index.html
    index.js
    list.css
    list.html
    list.js
    new.js
    package-lock.json
    package.json

list.js
1 class List {
2   constructor(name) {
3     this.name = name;
4     this.items = [];
5   }
6   additem(name, price) {
7     this.items.push(new Item(name, price));
8   }
9 }
10
11 class Item {
12   constructor(name, price) {
13     this.name = name;
14     this.price = price;
15   }
16 }
17
18 class ListService {
19   static url = 'https://crudcrud.com/api/722b898a00664485baef52ha7b767ab2/list';
20
21   static getAllLists() {
22     return $.get(this.url);
23   }
24   static getlist(id) {
25     return $.get(this.url + '/' + id);
26   }
27   static createList(list) {
28     // return $.post(this.url, list);
29     return $.ajax({
30       url: this.url,
31       datatype: 'json',
32       data: JSON.stringify(list),
33       contentType: 'application/json',
34       type: 'POST'
35     });
36   }
37   static deleteList(id) {
38     return $.ajax({
39       url: this.url + '/' + id,
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PROMINEO TECH

```
File Edit Selection View Go Run Terminal Help
listjs - HTML Week 6 Project - Visual Studio Code

EXPLORER
HTML WEEK 6 PROJECT
  src
    launch.json
    settings.json
    node_modules
    index.html
    list.css
    list.js
    new.js
    package-lock.json
    package.json

list.js
74 static deleteList(id) {
75   listService.deleteList(id)
76   .then(() => {
77     return listService.getAllLists();
78   })
79   .then((lists) => this.render(lists));
80 }
81 static addItem(id) {
82   for (let list of this.lists) {
83     if (list._id === id) {
84       // list.items.splice(list.items.indexOf(item), 0, new Item(`${list._id}-item-name`, new Item(`${list._id}-item-price`))
85       console.log('Adding item: ' + `${list._id}-item-name`.val() + ' using .splice')
86       listService.updateList(list)
87       .then(() => {
88         return listService.getAllLists();
89       })
90       .then((lists) => this.render(lists)); //
91       list.items.push(new Item(`${list._id}-item-name`.val(), `${list._id}-item-price`.val()));
92       console.log('Adding item: ' + `${list._id}-item-name`.val())
93       listService.updateList(list)
94       .then(() => {
95         // return listService.getAllLists();
96         // })
97         return listService.getAllLists();
98       })
99       .then((lists) => this.render(lists));
100       console.log('post update render');
101     }
102   }
103 }
104 static deleteItem(listId, itemName) {
105   for (let list of this.lists) {
106     if (list._id === listId) {
107       for (let item of list.items) {
108         if (item.name === itemName) {
109           list.items.splice(list.items.indexOf(item), 1);
110           listService.updateList(list)
111           .then(() => {
112             return listService.getAllLists();
113           })
114           .then((lists) => this.render(lists));
115         }
116       }
117     }
118   }
119 }
120 static render(lists) {
121   this.lists = lists;
122   $('#app').empty();
123   for (let list of lists) {
124     $('#app').prepend(
125       <div id=${list._id} class=card>
126         <div class=card-header>
127           <h2>${list.name}</h2>
128           <button class=btn btn-danger onclick=DOMManager.deleteList('${list._id}')>Delete</button>
129         </div>
130         <div class=card-body>
131           <div class=card>
132             <div class=row>
133               <div class=col-sm>
134                 <input type=text id=${list._id}-item-name class=form-control placeholder=Item Name>
135               </div>
136               <div class=col-sm>
137                 <input type=text id=${list._id}-item-price class=form-control placeholder=Item Price>
138               </div>
139             </div>
140             <button id=${list._id}-new-item onclick=DOMManager.addItem('${list._id}') class=btn btn-primary form-control>Add</button>
141           </div>
142         </div>
143       </div>
144     );
145   }
146 }
```



PROMINEO TECH

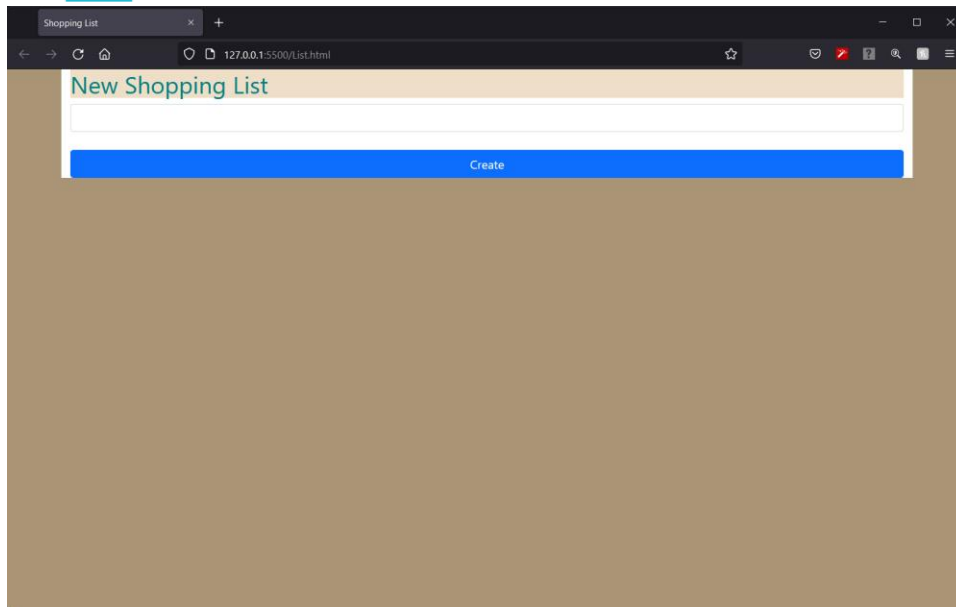
```
140 </div>
141 </div>
142 <button id="${list_id}-new-item" onclick="DOMManager.addItem('${list_id}')" class="btn btn-primary form-control">Add</button>
143 </div>
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```
1 <html>
2 <head>
3 <title>List</title>
4 </head>
5 <body>
6 <div>
7 <div>
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9 <div>
10 <div>
11 <div>
12 <div>
13 <div>
14 <div>
15 </div>
```

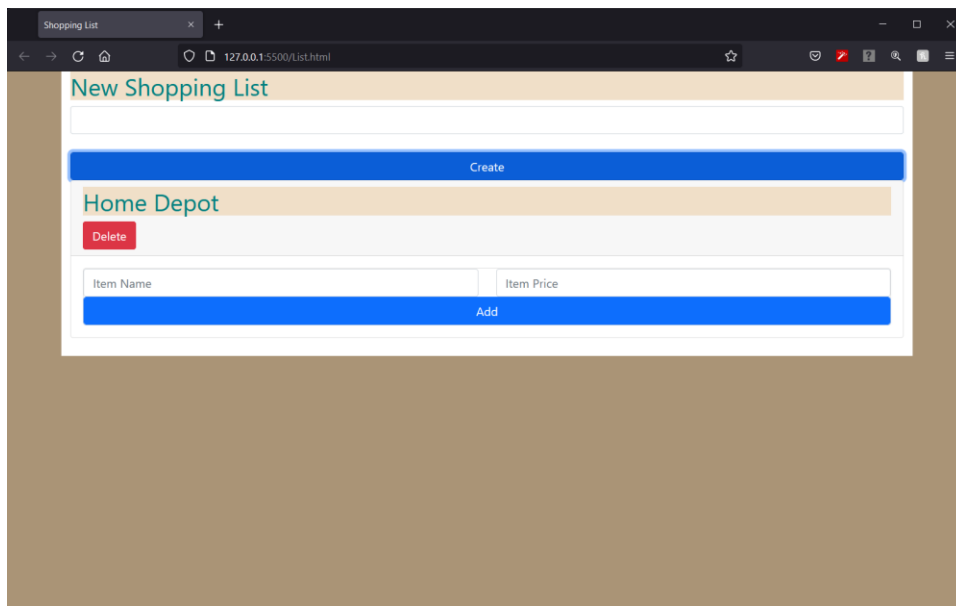
Screenshots of Running Application:



PROMINEO TECH



Programming running



Added a store



PROMINEO TECH

Shopping List

127.0.0.1:5500/List.html

New Shopping List

Create

Home Depot

Delete

nails	1.45
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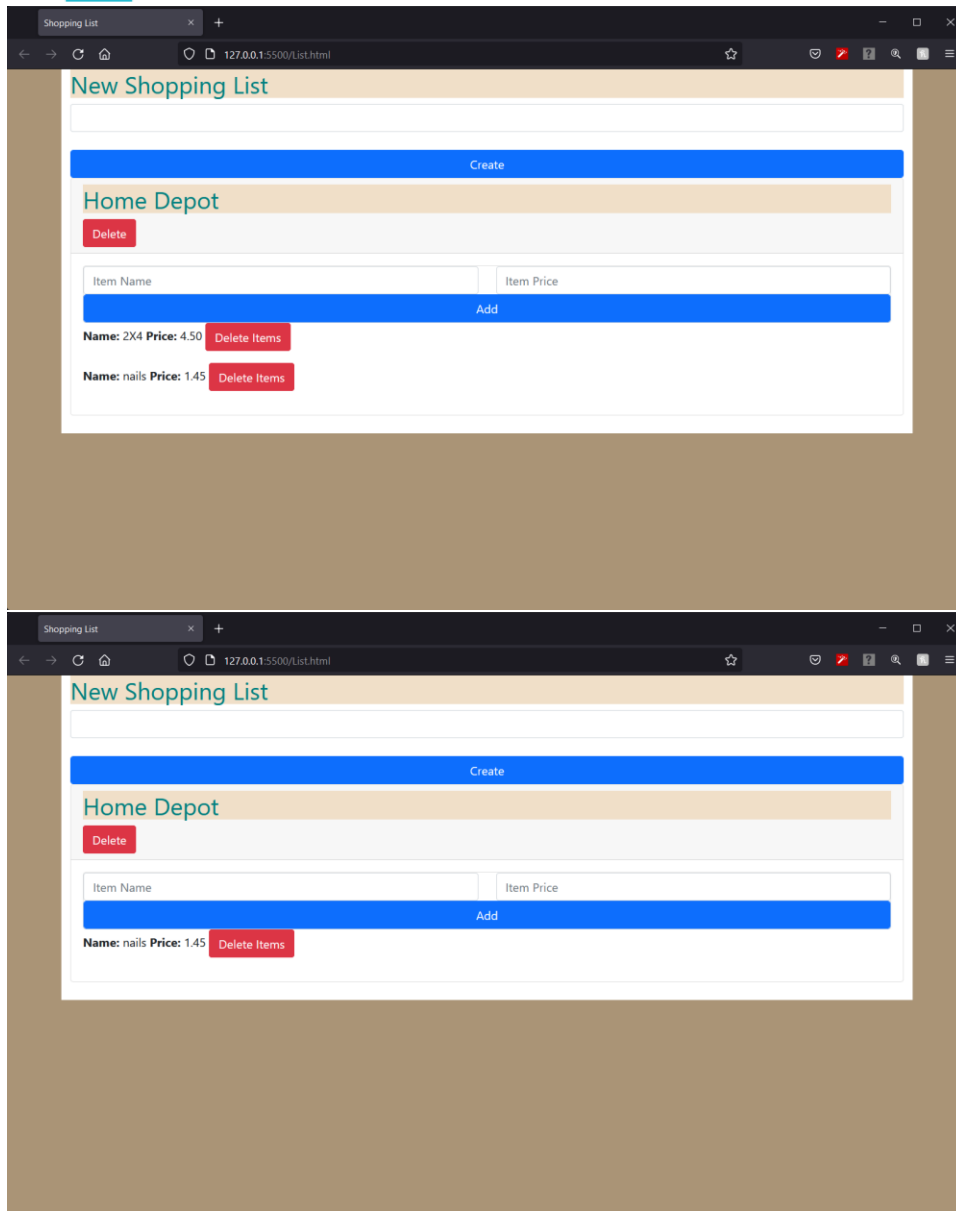
Add

Name: 2X4 Price: 4.50 Delete Items

Added a product to get



PROMINEO TECH



Deleted an item



PROMINEO TECH

Shopping List

New Shopping List

Create

Shaws

Delete

Item Name Item Price

Add

Name: Celery Price: 0.99 Delete Items

Home Depot

Delete

Item Name Item Price

Add

Name: nails Price: 1.45 Delete Items

Added a second store

Shopping List

New Shopping List

Create

Home Depot

Delete

Item Name Item Price

Add

Name: nails Price: 1.45 Delete Items

Deleted the first store

URL to GitHub Repository:

<https://github.com/trepvox/HTML-week-6-Project>