



Intro to JavaScript Week 5 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 menu app as seen in this week's video. What you create is up to you as long as it meets the following requirements.
 - a. Use at least one array.
 - b. Use at least two classes.
 - c. Your menu should have the options to create, view, and delete elements.

Screenshots of Code:



PROMINEO TECH

```
1  class Recipe {
2      constructor(name, timeOfDay, ingredients){
3          this.name = name;
4          this.timeOfDay = timeOfDay;
5          this.ingredients = ingredients;
6      }
7
8      describe(){
9          return `${this.name} is eaten at ${this.timeOfDay} of the day`
10     }
11 }
12
13
14 class Chapter {
15     constructor(name) {
16         this.name = name;
17         this.recipes = [];
18         this.ingredients = [];
19     }
20
21     addPlayer(recipe) {
22         if (recipe instanceof Recipe) {
23             this.recipes.push(recipe);
24         } else {
25             throw new Error (`You can only add an instance of Recipe. Argument is not a recipe: ${recipe}`);
26         }
27     }
28
29     describe() {
30         return `${this.recipes.length} are all from ${this.name}`;
31     }
32 }
33
34 class Menu {
35     constructor() {
36         this.chapters = [];
37         this.selectedChapter = null;
38     }
39
40     start() {
41         let selection = this.showMainMenuOptions();
42
43         while (selection != 0) {
44             switch (selection) {
45                 case "1" :
46                     this.addChapter();
47                     break;
48                 case "2" :
49                     this.viewChapter();
50                     break;
51                 case "3" :
52                     this.deleteChapter();
53                     break;
54                 case "4" :
55                     this.displayChapters();
56                     break;
57                 default:
58                     selection = 0;
59             }
60             selection = this.showMainMenuOptions();
61         }
62
63         alert("Goodbye!")
64     }
65 }
```



PROMINEO TECH

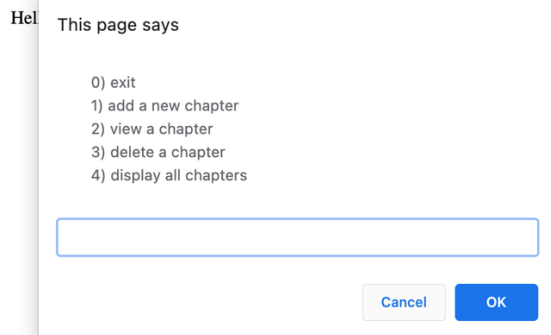
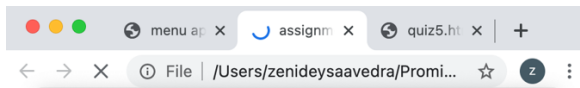
```
66     showMainMenuOptions() {
67         return prompt (`
68             0) exit
69             1) add a new chapter
70             2) view a chapter
71             3) delete a chapter
72             4) display all chapters
73         `);
74     }
75
76     showTeamMenuOptions(chapterInfo) {
77         return prompt (`
78             0) back
79             1) create a recipe
80             2) delete a recipe
81             -----
82             ${chapterInfo}
83         `);
84     }
85
86     displayChapters() {
87         let chapterString = " ";
88         for (let i = 0; i < this.chapters.length; i++) {
89             chapterString += i + " ) " + this.chapters[i].name + "\n";
90         }
91         alert(chapterString);
92     }
93
94     addChapter() {
95         let name = prompt ("Enter name for new chapter:");
96         this.chapters.push(new Chapter(name));
97     }
98
99     viewChapter() {
100         let index = prompt("Enter the index of the chapter you wish to view");
101         if (index > -1 && index < this.chapters.length) {
102             this.selectedChapter = this.chapters[index];
103             let description = "Chapter: " + this.selectedChapter.name + "\n";
104
105             for (let i = 0; i < this.selectedChapter.recipes.length; i++) {
106                 description += i + " ) " + this.selectedChapter.recipes[i].name
107                 + " - " + this.selectedChapter.recipes[i].ingredients + "\n Enjoy this meal for "
108                 + this.selectedChapter.recipes[i].timeOfDay + "!"
109                 + "\n";
110             }
111
112             console.log(this.selectedChapter.recipes[0]);
113
114             let selection = this.showTeamMenuOptions(description);
115             switch (selection){
116                 case "1" :
117                     this.createRecipe();
118                     break;
119                 case "2" :
120                     this.deleteRecipe();
121             }
122         }
123     }
124
125     deleteChapter() {
126         let index = prompt("Enter the index of the chapter you wish to delete");
127         if(index > -1 && index < this.chapters.length){
128             this.chapters.splice(index, 1);
129         }
130     }
```



PROMINEO TECH

```
132     createRecipe() {
133         let name = prompt("Enter name for new recipe:");
134         let timeOfDay = prompt("Enter the time of day you eat this recipe");
135         let ingredients = prompt("Enter ingredients for new recipe");
136         this.selectedChapter.recipes.push(new Recipe(name, timeOfDay, ingredients));
137     }
138
139     deleteRecipe() {
140         let index = prompt("Enter the index of the recipe you wish to delete");
141         if (index > -1 && index < this.selectedChapter.recipes.length){
142             this.selectedChapter.recipes.splice(index, 1);
143         }
144     }
145 }
146
147 let menu = new Menu();
148 menu.start();
```

Screenshots of Running Application:



This page says

0) back
1) create a recipe
2) delete a recipe

Chapter: Italy

Cancel OK



PROMINEO TECH

This page says

- 0) back
- 1) create a recipe
- 2) delete a recipe

Chapter: Italy

- 0) Pizza - chesse, ham, pineapple

Enjoy this meal for breakfast!

Cancel

OK

URL to GitHub Repository:

<https://github.com/zenidey/Coding-Assignment-Week-5.git>