



Intro to JavaScript Week 5 Coding Assignment

Points possible: 750,000,000,000,000 (a whole lot)

URL to Your GitHub Repository: https://github.com/CardioLeo/wk5_promineo

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:

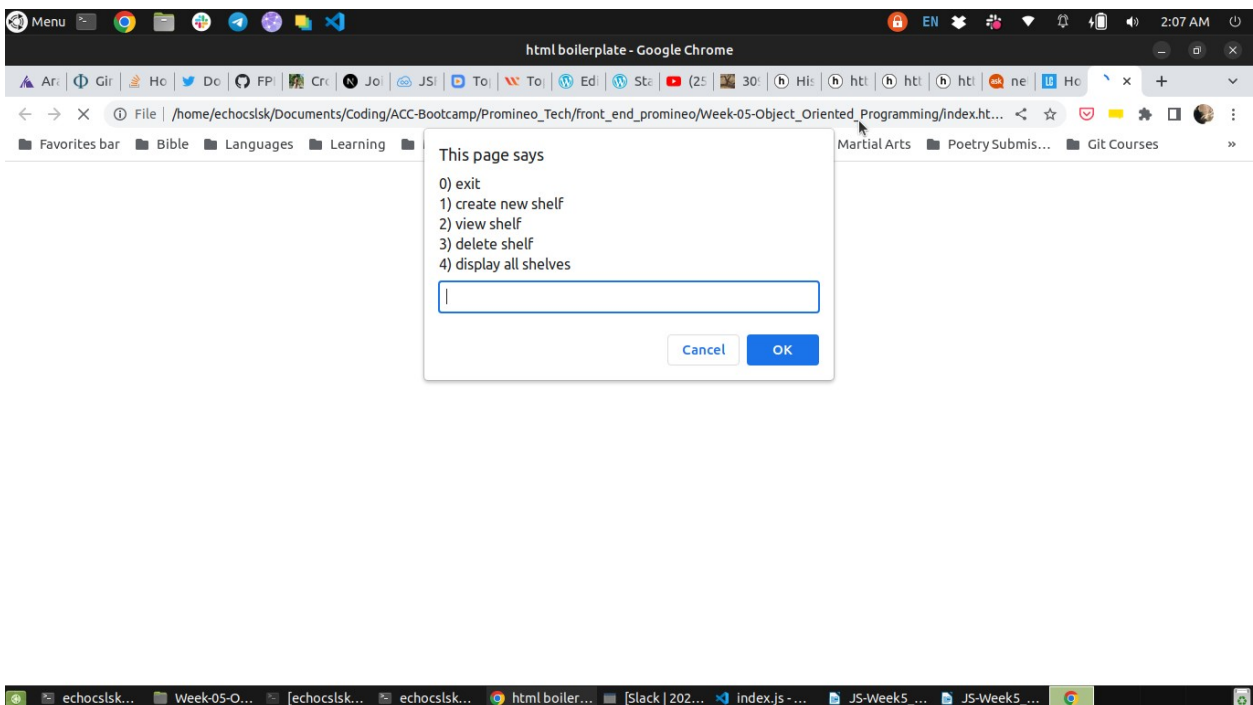
```
41 class Menu {
42   constructor() {
43     this.shelf = [];
44     this.selectedShelf = null;
45   }
46   start() {
47     let selection = this.showMainMenuOptions();
48
49     while (selection != 0) {
50       switch (selection) {
51         case "1":
52           this.createShelf();
53           break;
54         case "2":
55           this.viewShelf();
56           break;
57         case "3":
58           this.deleteShelf();
59           break;
60         case "4":
61           this.displayShelf();
62           break;
63         default:
64           selection = 0;
65       }
66       selection = this.showMainMenuOptions();
67     }
68   }
69 }
```



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```
73
74 showMainMenuOptions() {
75   return prompt(
76     "0) exit" + "\n" +
77     "1) create new shelf" + "\n" +
78     "2) view shelf" + "\n" +
79     "3) delete shelf" + "\n" +
80     "4) display all shelves"
81   );
82 }
83
84 showShelfMenuOptions() {
85   let menuPrompt = "0) back\n1) create book\n2) delete book\n3) list books\n4) list books with descriptions\n5) list descriptions\n6) create shelf\n7) delete shelf\n8) display all shelves\n9) exit\n";
86   return prompt(
87     menuPrompt
88   );
89 }
90
91 displayShelves() {
92   let shelfString = "";
93   for (let i = 0; i < this.shelf.length; i++) {
94     shelfString += i + " " + this.shelf[i].title + "\n";
95   }
96   alert(shelfString);
97 }
98
99 createShelf() {
100   let name = prompt("Enter name for a new shelf: ");
101   this.shelf.push(new Shelf(name));
102 }
```

Screenshots of Running Application:





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