



Intro to JavaScript Week 5 Coding Assignment

Points possible: 75

URL to Your GitHub Repository:

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.



PROMINEO TECH

Screenshots of Code:

```
1  s Film {
2  constructor(t, s){           // title and star constructor
3      this.title = t;         // defining title film
4  }
5  getInfo(){                  //Logging the films and the star of the film
6      console.log(`Title: ${this.title} Starring: ${this.star}`);
7  }
8
9
10
11  s Library {                //theatre class that houses the array of "films"
12  constructor (name) {
13      this.name = name;
14      this.films = [];
15  }
16  addFilm(films){
17      if (films instanceof Film)
18          this.films.push(films);
19  }
20
21
22  removeFilm(films){ // Removes the instance of the film via the index number
23      if (film instanceof Film)
24          this.films.pop(films);
25  }
26
27
28  viewFilm(){                // Allows user to view the entire array
29      return `${this.name} has ${this.films.length} films.`;
30  }
31
32
33  s Menu {                   // Builds a class containing an array for the menu options
34  constructor () {
35      this.films = [];
36      this.selectedfilm = null;
37  }
```



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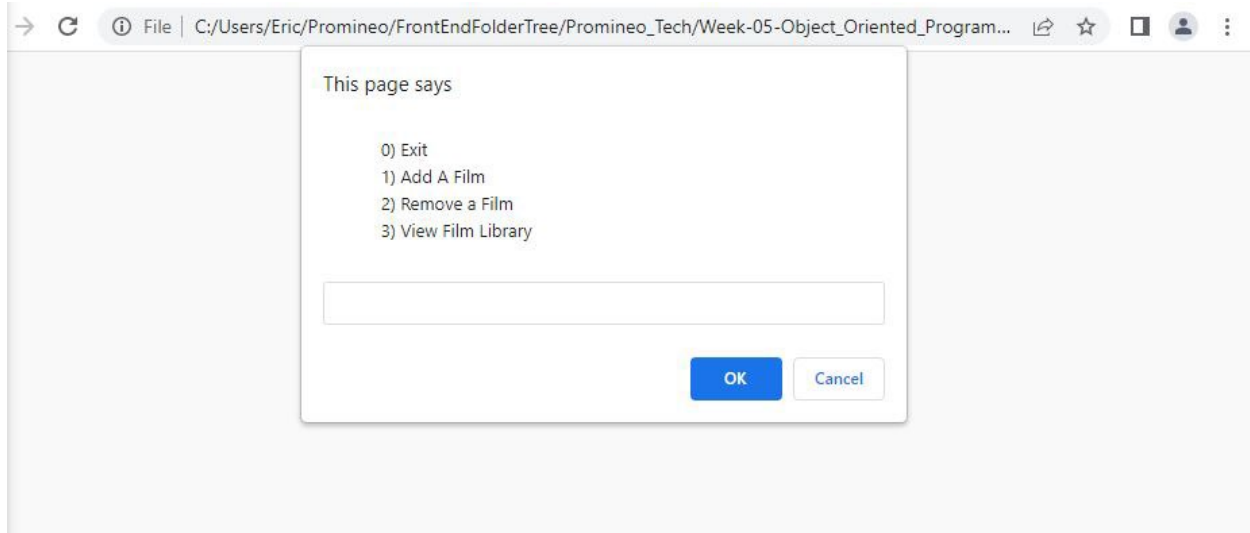
```
32
33 s Menu { // Builds a class containing and array for the menu options
34 constructor () {
35     this.films = [];
36     this.selectedfilm = null;
37 }
38
39 start() { // The function that houses the user options that will appear in the pr
40     let selection = this.showMainMenuOptions();
41
42     while (selection != 0) {
43         switch (selection) {
44             case "1":
45                 this.addFilm();
46                 break;
47             case "2":
48                 this.removeFilm();
49                 break;
50             case "3":
51                 this.viewLibrary();
52                 break;
53             default:
54                 selection = 0;
55         }
56         selection = this.showMainMenuOptions();
57     }
58
59     alert("Thank you for using the video library!"); // Alert for when the loop is broken by ty
60 }
61
62 showMainMenuOptions() { // function that will show the user a basic GUI with 4 opti
63     return prompt (`
64         0) Exit
65         1) Add A Film
66         2) Remove a Film
67         3) View Film Library
68     `);
69 }
70
71 viewLibrary() {
72     let filmString = '';
73     for (let i = 0; i < this.films.length; i++) {
74         filmString += i + ' ' + this.films[i].name + '\n';
75     }
76     alert(filmString);
77 }
```



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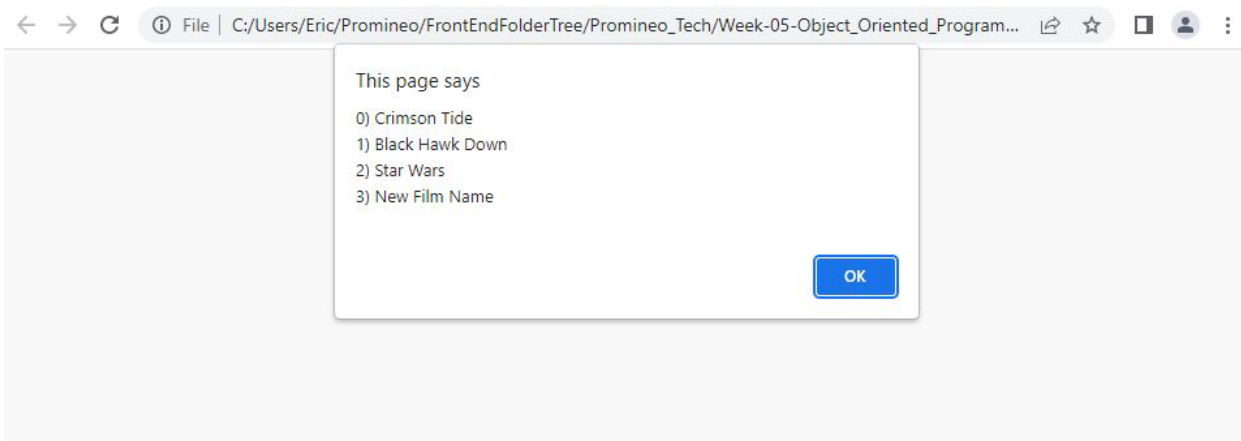
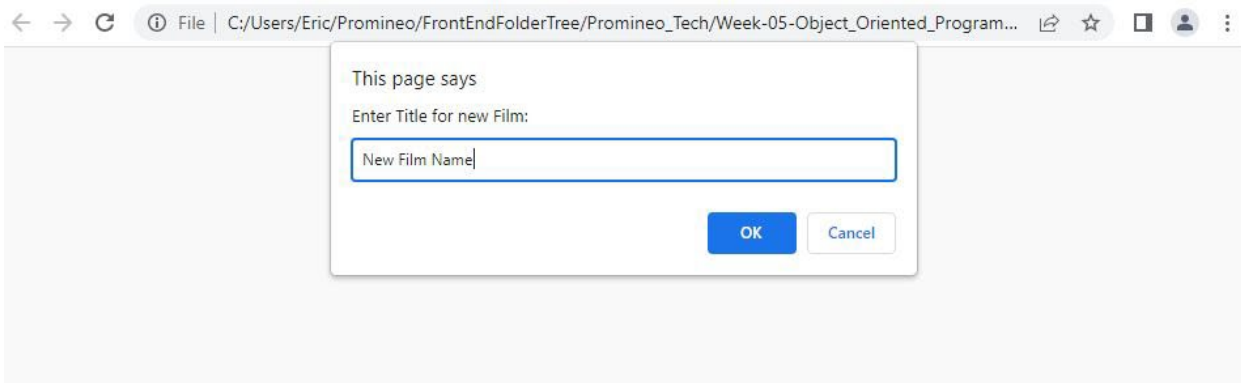
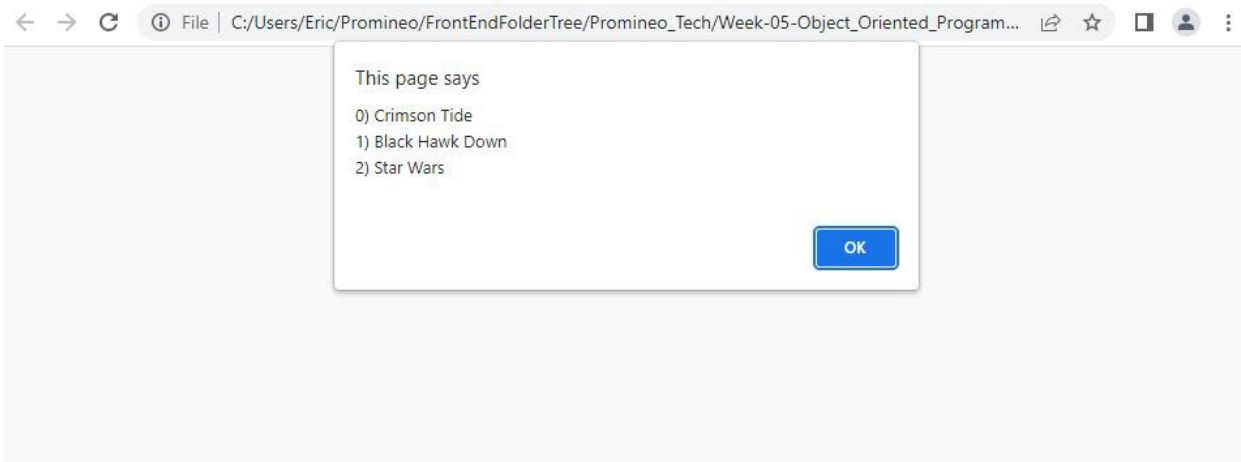
```
78
79  addFilm() {
80    let name = prompt ('Enter Title for new Film:');
81    this.films.push(new Library(name));
82  }
83
84  removeFilm() {
85    let toss = prompt ('Enter the index for the film you wish to remove:');
86    this.films.pop()
87  }
88
89
90  menu = new Menu();
91  .start();
92
93
94
95
96
97
98
```

Screenshots of Running Application:



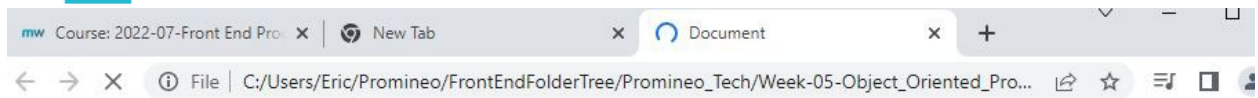


PROMINEO TECH





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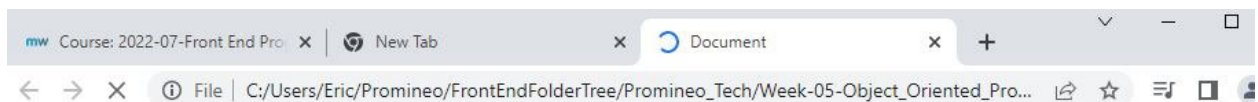


This page says

Enter the index for the film you wish to remove:

OK

Cancel



This page says

- 0) Crimson Tide
- 1) Black Hawk Down
- 2) Star Wars

OK