



## Intro to JavaScript Week 5 Coding Assignment

**Points possible:** 75

**URL to Your GitHub Repository:**

[https://github.com/lbell/bootcamp\\_wk5\\_coding\\_assignment](https://github.com/lbell/bootcamp_wk5_coding_assignment)

**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:**



# CH

```
1  /**
2   * Class #1: Task
3   * Now with a method!
4   *
5   */
6  class Task {
7    constructor(taskName) {
8      this.taskName = taskName;
9      this.taskStatus = "Todo";
10   }
11
12   setDone() {
13     this.taskStatus = "Done";
14   }
15 }
16
17
18 /**
19 * Class #2: Menu
20 *
21 * Contains: 1 array (tasks)
22 * Contains methods: Create, view, delete, and (as a bonus) set a task to done.
23 *
24 */
25 class Menu {
26   constructor() {
27     // Using "at least 1 array"
28     this.tasks = [];
29   }
30
31   start() {
32     let selection = this.showMainMenuOptions();
33
34     while (selection !== 0) {
35       switch (selection) {
36         case "1":
37           this.createTask();
38           break;
39         case "2":
40           this.viewTasks();
41           break;
42         case "3":
43           this.doneTask();
44           break;
45         case "4":
46           this.deleteTask();
47           break;
48         default:
49           selection = 0;
50       }
51       selection = this.showMainMenuOptions();
52     }
53     alert("Goodbye!");
54   }
55
56   showMainMenuOptions() {
57     return prompt(`
58     0) exit
59     1) create a new task
60     2) view all tasks
61     3) mark task as done
62     4) delete task
63     `);
64   }
65
66   buildTaskList() {
67     let taskList = "";
68
69     for (let i = 0; i < this.tasks.length; i++) {
70       taskList += i + ". " + this.tasks[i].taskName + " - " + this.tasks[i].taskStatus + "\n";
71     }
72
73     return taskList;
74   }
75
76   createTask() {
77     let task = prompt("What are you doing, Dave?: ");
78     this.tasks.push(new Task(task));
79   }
80
81   viewTasks() {
82     alert(this.buildTaskList());
83   }
84
85   doneTask() {
86     let index = prompt("Which task did you do?");
87     -----
88     ${this.buildTaskList()}
89     -----
90     if (index > -1 && index < this.tasks.length) {
91       this.tasks[index].setDone();
92     }
93   }
94
95   deleteTask() {
96     let index = prompt("Which task did you do?");
97     -----
98     ${this.buildTaskList()}
99     -----
100    if (index > -1 && index < this.tasks.length) {
101      this.tasks.splice(index, 1);
102    }
103  }
104 }
105
106 let menu = new Menu();
107 menu.start();
108
```



# PROMINEO TECH

## Screenshots of Running Application:

tcamp/Week-05-Object\_Oriented\_Programming/coding%20assignment/index.html

This page says

- 0) exit
- 1) create a new task
- 2) view all tasks
- 3) mark task as done
- 4) delete task

Cancel

OK

p/Week-05-Object\_Oriented\_Programming/coding%20assignment/index.html

This page says

What are you doing, Dave?:

Cancel

OK

ip/Week-05-Object\_Oriented\_Programming/coding%20assignment/index.html

This page says

- 0. Test Task Uno - Todo
- 1. Test task Dos - Todo
- 2. Test Task Tres - Todo

OK



week-05-Object\_Oriented\_Programming/coding%20assignment/index.html

This page says

Which task did you do?

- 0. Test Task Uno - Todo
- 1. Test task Dos - Todo
- 2. Test Task Tres - Todo

Cancel

OK

This page says

- 0. Test Task Uno - Todo
- 1. Test Task Dos - Done
- 2. Test Task Tres - Todo

OK



# PROMINEO TECH

This page says

Which task to delete?

- 0. Test Task Uno - Todo
- 1. Test Task Dos - Done
- 2. Test Task Tres - Todo

Cancel

OK

Week-05-Object\_Oriented\_Programming/coding%20assignment/index.html

This page says

- 0. Test Task Dos - Done
- 1. Test Task Tres - Todo

OK