



## Intro to JavaScript Week 5 Coding Assignment

**Points possible:** 75

**URL to Your GitHub Repository:**

<https://github.com/WhitneyHendrickson94/Week5CodingAssignment.git>

**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:

```
Users > whitneythomlinson > Promineotech > Assignments > Promineo_Tech > Week-05-Object_Oriented_Progr  
1  class TargetWord {  
2  constructor(word) {  
3      this.word = word;  
4  }  
5  }  
6  
7  
8  class WordList{  
9      constructor(listName) {  
10         this.listName = listName;  
11         this.targetWords = [];  
12     }  
13  
14     addTargetWord(word) {  
15         if (word instanceof TargetWord) {  
16             this.targetWords.push(word);  
17         } else{  
18             throw new Error(`This is not a word: ${word}`);  
19         }  
20     }  
21 }  
22  
23  
25 class Menu{  
26     constructor() {  
27         this.wordLists = [];  
28         this.selectedWordList = null;  
29     }  
30  
31     start(){  
32         let selection = this.showMainMenuOptions();  
33  
34         while (selection != 0) {  
35             switch (selection) {  
36                 case '1':  
37                     this.createWordList();  
38                     break;  
39                 case '2':  
40                     this.viewWordList();  
41                     break;  
42                 case '3':  
43                     this.deleteWordList();  
44                     break;  
45                 case '4':  
46                     this.displayWordLists();  
47                     break;  
48                 default:  
49                     selection = 0;  
50             }  
51             selection = this.showMainMenuOptions();  
52         }  
53  
54         alert('Goodbye!');  
55     }
```



# PROMINEO TECH

```
6
7 showMainMenuOptions() {
8     return prompt(`
9         0) exit
10        1) create word list
11        2) view word list
12        3) delete word list
13        4) display all word lists
14        `);
15 }
16
17 showWordListMenuOptions(wordListInfo){
18     return prompt(`
19         0) back
20         1) add target word
21         2) delete target word
22         -----
23         ${wordListInfo}
24     `);
25 }
26
27 displayWordLists() {
28     let wordListString = '';
29     for (let i=0; i < this.wordLists.length; i++) {
30         wordListString += i + ' ' + this.wordLists[i].listName + '\n';
31     }
32     alert(wordListString);
33 }
34
35 createWordList() {
36     let listName = prompt(`Enter label for new word list:`);
37     this.wordLists.push(new WordList(listName));
38 }
39
40 viewWordList() {
41     let index = prompt(`Enter the index of the list you want to view:`);
42     if(index > -1 && index < this.wordLists.length) {
43         this.selectedWordList = this.wordLists[index];
44         let description = `List Name: ` + this.selectedWordList.listName + '\n';
45
46         for (let i = 0; i < this.selectedWordList.targetWords.length; i++){
47             description += i + ' ' + this.selectedWordList.targetWords[i].word + '\n';
48         }
49
50         let selection = this.showWordListMenuOptions(description);
51         switch (selection) {
52             case '1':
53                 this.createTargetWord();
54                 break;
55             case '2':
56                 this.deleteTargetWord();
57         }
58     }
59 }
60
61 deleteWordList() {
62     let index = prompt(`Enter the index of the word list you wish to delete: `);
63     if (index > -1 && index < this.wordLists.length) {
64         this.wordLists.splice(index,1);
65     }
66 }
67
68 createTargetWord(){
69     let word = prompt(`Enter new target word: `);
70     this.selectedWordList.targetWords.push(new TargetWord(word));
71 }
72
73 deleteTargetWord() {
74     let index = prompt(`Enter the index of the target word you wish to delete: `);
75     if (index > -1 && index < this.selectedWordList.targetWords.length) {
76         this.selectedWordList.targetWords.splice(index,1);
77     }
78 }
79
80 let menu = new Menu();
81 menu.start();
```



## Screenshots of Running Application:

This page says

- 0) exit
- 1) create word list
- 2) view word list
- 3) delete word list
- 4) display all word lists

Cancel

OK

This page says

Enter label for new word list:

TH Words|

Cancel

OK

This page says

- 0) back
- 1) add target word
- 2) delete target word

-----  
List Name: TH Words

Cancel

OK



# PROMINEO TECH

This page says

- 0) exit
- 1) create word list
- 2) view word list
- 3) delete word list
- 4) display all word lists

Cancel

OK

This page says

- 0) exit
- 1) create word list
- 2) view word list
- 3) delete word list
- 4) display all word lists

Cancel

OK

This page says

OK



# PROMINEO TECH

This page says

- 0) back
- 1) add target word
- 2) delete target word

-----

List Name: R Words

Cancel

OK

This page says

- 0) back
- 1) add target word
- 2) delete target word

-----

List Name: R Words

0) rabbit

Cancel

OK

This page says

- 0) exit
- 1) create word list
- 2) view word list
- 3) delete word list
- 4) display all word lists

Cancel

OK