Intro to JavaScript Week 5 Coding Assignment

Points possible: 75

URL to Your GitHub Repository:
https://github.com/RKMellinger/Promineo/tree/main/Week-05-Object_Oriented_Programming/Week5_coding_Assignment

Video link:

https://youtu.be/MkNU3GCbz7w

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.
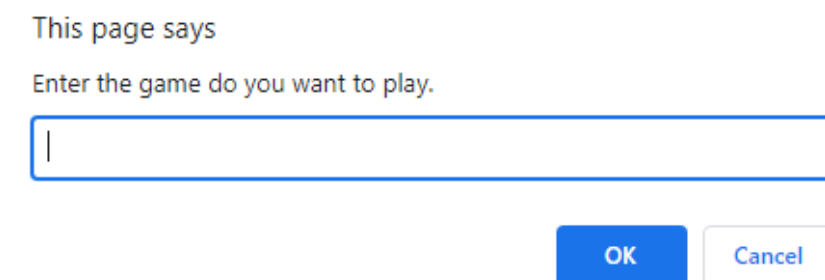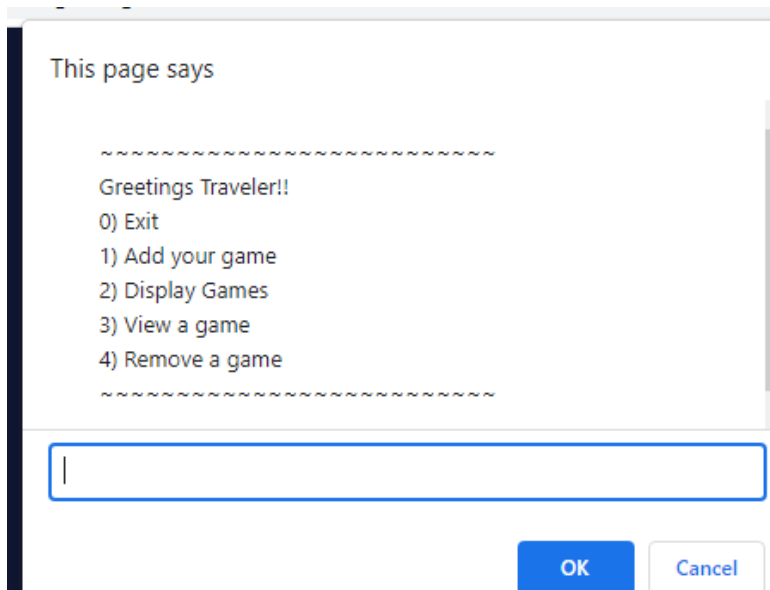
Screenshots of Code:

```javascript
    }
95  addGame(){ //Choose or create the game of choice
96    let name = prompt('Enter the game do you want to play.')
97    this.game.push(new Game(name))
98  }

100 displayGame(){ //Will display your selection
101   let gameString = '';
102   for (let i = 0; i < this.game.length; i++){
103     gameString += i + ') ' + this.game[i].name + '\n';
104   }
105   alert (gameString);
106 }

108 createCharacter(){ // To create your player and their class
109   let characterName = prompt('What is your champion's name.')
110   let characterClass = prompt('What is the champion's class.')
111   this.selectedGame.character.push(new Character(characterName, characterClass))
112 }
113 viewGame(){ // Displays the selected game and it's sub menu
114   let index = prompt('What is the index of your game.')
115   if(index > -1 && index < this.game.length){
116     this.selectedGame = this.game[index]
117     let description = `
118     Your game of choice is: ${this.selectedGame.name}.
119     `
120
122     for (let i = 0; i < this.selectedGame.character.length; i++){
123       description += `${i}) Your champion is: ${this.selectedGame.character[i].characterName} the ${this.selectedGame.character[i].characterClass}.`
124     }
125     let selection = this.gamesMenuOptions(description) // Sub menu options
126     switch (selection){
127       case '1':
128         this.createCharacter()
129         break
130       case '2':
131         this.deleteCharacter()
132     }
133   }
134 }
135 removeGame(){ // Removes a game you don't want
136   let index = prompt('Enter the game number to be removed')
137   if (index > -1 && index < this.game.length){
138     this.game.splice(index, 1)
139   }
140 }
141
142 deleteCharacter(){ // Removes the player
```

```javascript
142   deleteCharacter(){ // Removes the player
143     let index = prompt('Choose the number of the defeated champion.')
144     if (index > -1 && index < this.selectedGame.character.length){
145       this.selectedGame.character.splice(index, 1)
146     }
147   }
148 }
149
150 let menu = new Menu() //Starts the prompts rolling
151 menu.start()
152
```

Screenshots of Running Application:

This page says

~~~~~~~~~~~~~~~~~~~~~~~~~
Greetings Traveler!!
0) Exit
1) Add your game
2) Display Games
3) View a game
4) Remove a game
~~~~~~~~~~~~~~~~~~~~~~~~~

OK   Cancel

This page says

Enter the game do you want to play.

OK   Cancel

This page says

0) Dnd
1) WH40K
2) Cats

OK

This page says

~~~~~~~~~~~~~~~~~~~
0) Back
1) Create Character
2) Delete Character
~~~~~~~~~~~~~~~~~~~
    Your game of choice is: WH40K.

OK   Cancel

This page says

~~~~~~~~~~~~~~~~~~~
0) Back
1) Create Character
2) Delete Character
~~~~~~~~~~~~~~~~~~~
Your game of choice is: WH40K.

0) Your champion's is: Bjorn the Rune Priest.
1) Your champion's is: Titanius the Ultra Marine.

OK   Cancel

This page says

~~~~~~~~~~~~~~~~~~~
0) Back
1) Create Character
2) Delete Character
~~~~~~~~~~~~~~~~~~~
Your game of choice is: WH40K.

0) Your champion's is: Titanius the Ultra Marine.

OK   Cancel

This page says

Thank you, goodbye

OK