

Intro to JavaScript Week 5 Coding Assignment

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are	25
Creativity	concise and clear. Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

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.0

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:



```
describe(){
            return `${this.name} is a ${race} ${rpgClass} and has the following abilities: ${this.abilities.join('\n')}`;
     class Menu {
            this.characters = []
             this.selectedCharacter = null;
        start(){
63
            let selection = this.showMainMenuOptions();
64
                switch (selection){
                        this.createCharacter();
                       this.viewCharacter();
                       this.deleteCharacter();
                        break:
                     case '4':
                        this.displayCharacters();
                 selection = this.showMainMenuOptions();
             alert("Good-bye!")
         showMainMenuOptions(){
                                                               // Shows the main menu options
             return prompt(`
                0) Exit
```



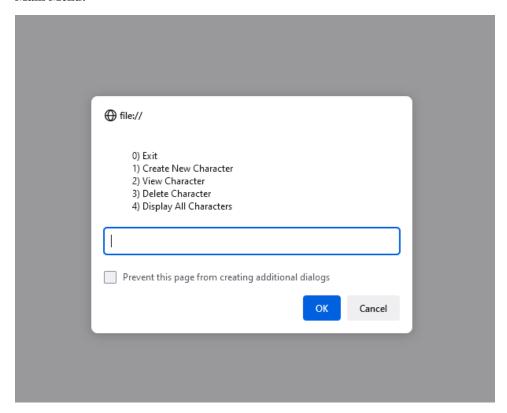




```
this.deleteRaceAndClass();
viewAbilities(){
     let index = prompt('Enter the index of the character you wish to edit:');
if (index > -1 && index < this.characters.length){
    this.selectedCharacter = this.characters[index];</pre>
           var description2 = this.isItUndefined()
           let selection = this.showAbilityMenuOptions(description2);
    switch (selection){
                     case '1':
    this.createAbility();
                           this.changeAbility();
     let index = prompt(`Enter the index of the character you wish to view:`);
if (index > -1 && index < this.characters.length){</pre>
           this.selectedCharacter = this.characters[index];
let description = this.isItUndefined();
           let selection = this.showCharacterMenuOptions(description);
                           this.viewAbilities();
     let index = prompt('Enter the index of the character you wish to delete:');
     if (index > -1 && index < this.characters.length) {
     let ability = prompt('Enter ability: ');
let score = prompt('Enter ability score: ');
this.selectedCharacter.abilities.push(new Ability(ability, score));
    deleteAbility(){
     let index = prompt('Enter the index of the ability you wish to delete: ');
if (index > -1 && index < this.selectedCharacter.abilities.length){
    this.selectedCharacter.abilities.splice(index, 1);</pre>
createRaceAndClass(){
     if(this.selectedCharacter.characteristics.length === 0){
     let race = prompt('Enter race: ');
let rpgClass = prompt('Enter class: ');
     this.selectedCharacter.characteristics.push(new Characteristics(race, rpgClass));
changeRaceAndClass(){
     let changedRace = prompt('Enter new race: ');
     let changedClass = prompt('Enter new class: ');
this.selectedCharacter.characteristics[0].race = changedRace;
this.selectedCharacter.characteristics[0].rpgClass = changedClass;
```

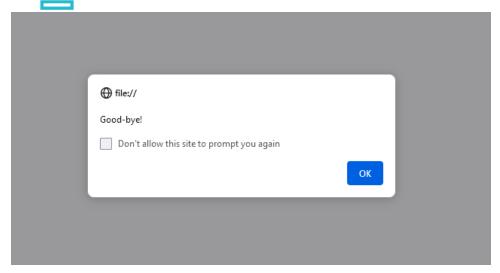
Screenshots of Running Application:

Main Menu:

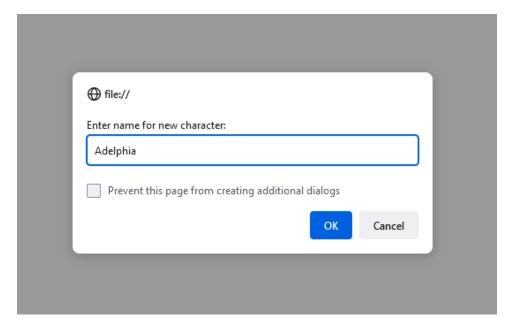


Exit:



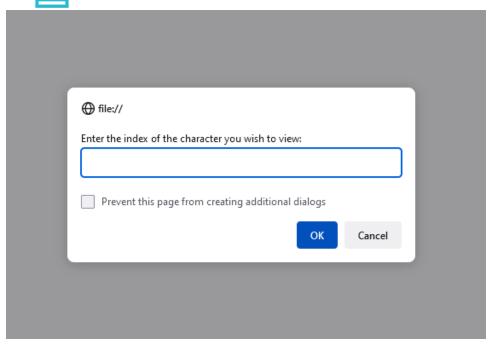


Create a New Character:

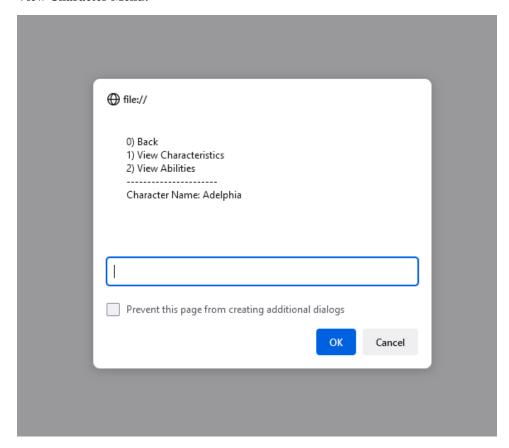


Choose Character Prompt:



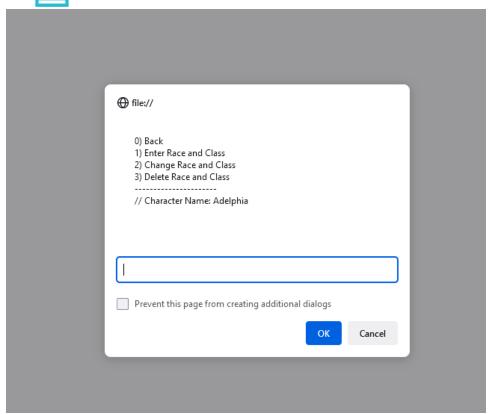


View Character Menu:

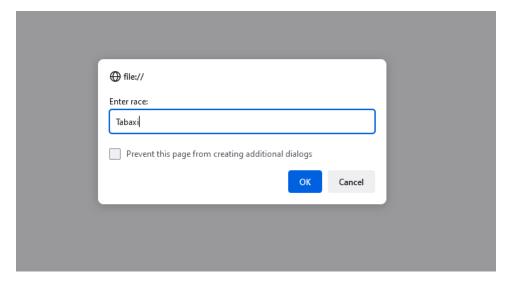


Characteristics Menu:

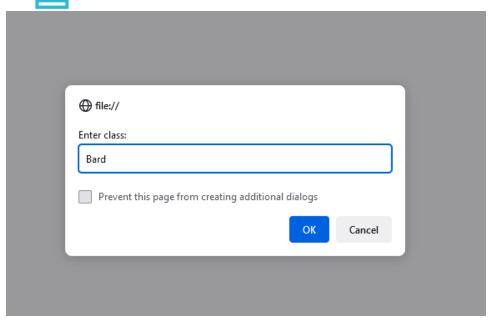




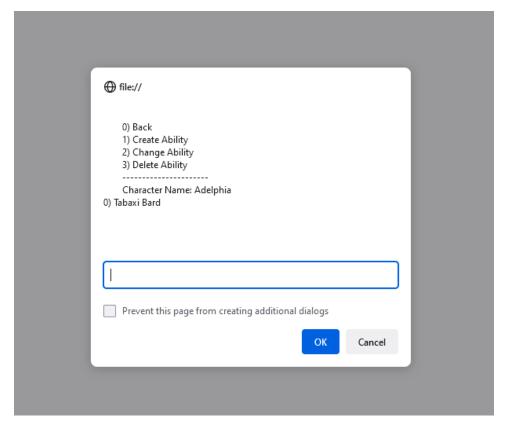
Enter Race and Class:





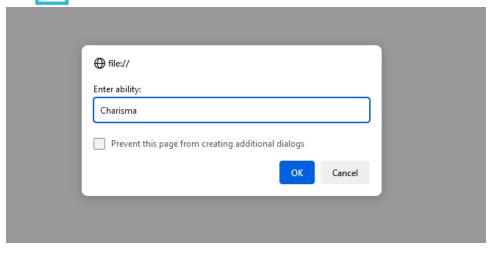


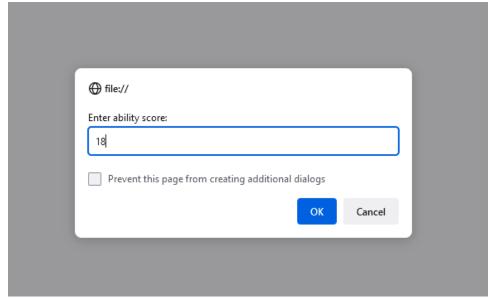
Ability Menu:



Create an Ability:

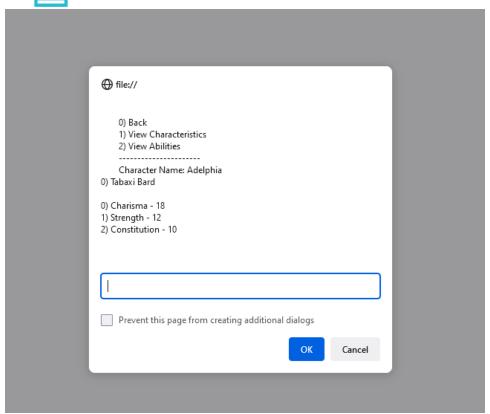




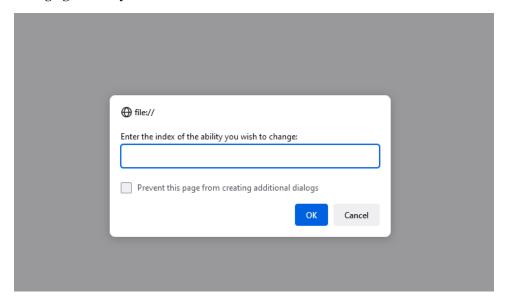


A Character with several abilities and a race and class showing:

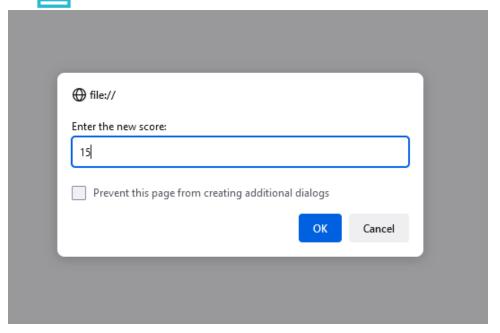


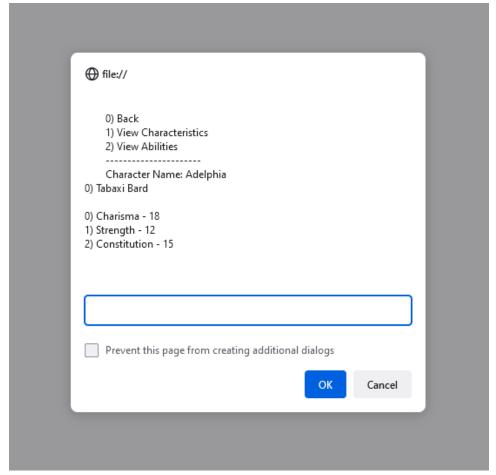


Changing an ability score:



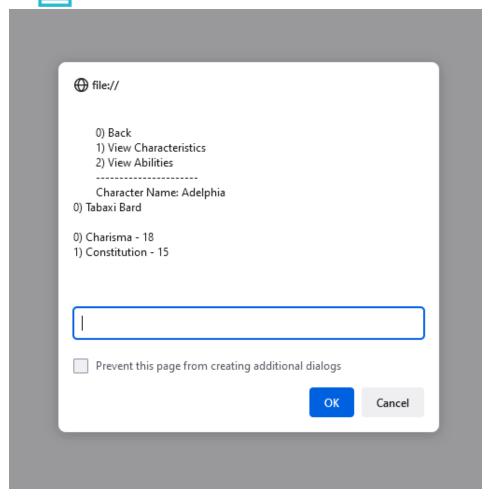




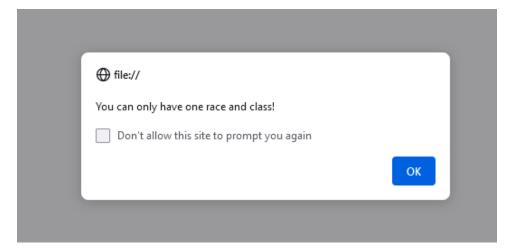


After deleting an ability:



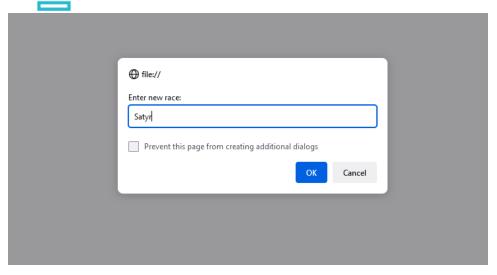


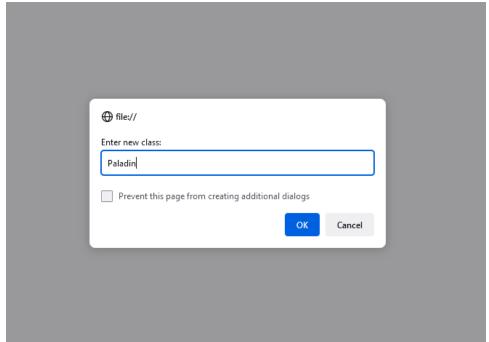
Only one race/class allowed warning:



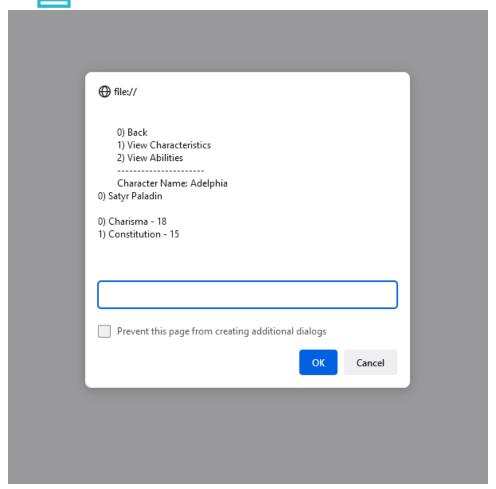
Change Race and Class:





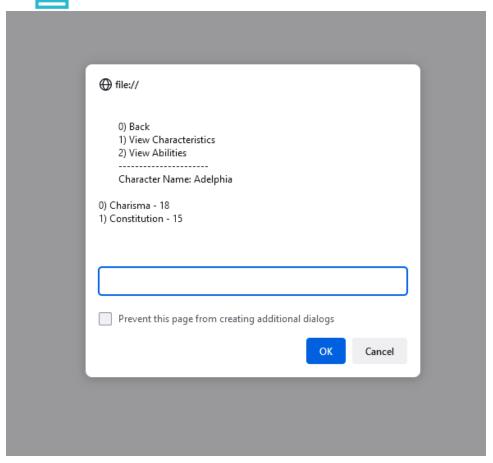




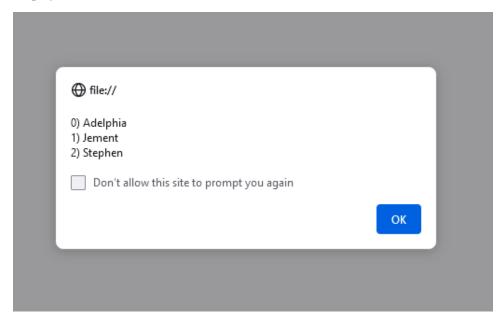


After deleting race and class:



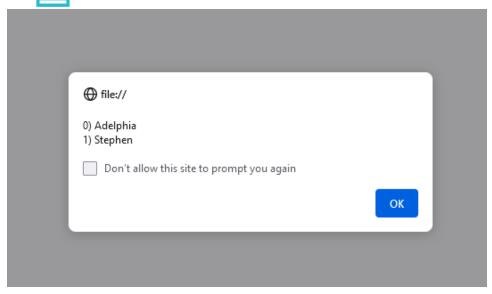


Display Characters:



Delete Character





URL to GitHub Repository:

https://github.com/aheiser2/Week-5-Menu-App.git