PROMINEO TECH

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 concise and clear.	25
Creativity	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.

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:

I made one change on line 31 "Hamburger" instead of "Cheese Burger"

```javascript
/*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.
*/

/*Hope your day is going well ~ here's a bad coding meme I made up (:

u must be a } cause I can't function without you

*/

//Welcome to Borger Boi!


//AnyBurger class that will create a burger for people. There is always default ingredients, but the name can be customized. Starts at 7.99
class AnyBurger {
  constructor(burgerName) {
    this._burgerName = burgerName
    this._ingredients = [
      'secret sauce',
      'pickles',
      '100% beef patty',
      'sourdough bun'
    ]
    this._price = 7.99
  }
}

//had to create a customerBurger variable on global scope since I was having scope issues in createBurger() method.
let customerBurger = new AnyBurger('Cheese Burger')


//EVERYTHING BELOW HAS TO DO WITH WINDOW PROMPTS & MENU APP
class Menu {
    constructor() {
    }

    //Upon being called, starts the app and calls methods based on which string gets input
    start() {
        let selection = this.showMainMenuOptions();

        while (selection != 0) {
            switch (selection) {
                case '1':
                    this.createBurger();
                    break;
                case '2':
                    this.addIngredient();
                    break;
                case '3':
```

```
52                    this.removeIngredient();
53                    break;
54                case '4':
55                    this.viewAllIngredients();
56                    break;
57                case '5':
58                    this.happyBirthBurger()
59                default:
60                    selection = 0;
61                }
62                selection = this.showMainMenuOptions();
63            }
64            //After 0 is selected, tells the user goodbye and exits.
65            alert('Enjoy!')
66        }
67        //Shows a prompt, that is just text but asks the user to input an option from our switch statement
68        showMainMenuOptions() {
69            return prompt(`
70        Hello! Welcome to Borger Boi! Please customize your burger : )
71        All burgers come with Secret Sauce and Pickles. Cheese is extra!
72
73        0) Check out
74        1) Name your burger
75        2) Add an ingredient
76        3) Remove an ingredient
77        4) View your creation!
78        5) It's my birthday!
79            `)
80        }
81
82        //New burger that the user named.
83        createBurger() {
84            let customerDesiredName = prompt('Enter a name for your burger:');
85            customerBurger = new AnyBurger(customerDesiredName)
86        }
87
88        //Alerts the user, showing all of the ingredients in the [ingredients] array
89        viewAllIngredients() {
90            alert(`The total is $${customerBurger._price} for your ${customerBurger._burgerName}.\n\nYour burger toppings:\n${customerBurger._ingredients.join(',\n')}.`)
91        }
92
```

```
92
93        //Removes any ingredient on the burger
94        removeIngredient(ingredient) {
95            ingredient = prompt(`Which ingredient would you like to remove?`).toLowerCase()
96
97            if (customerBurger._ingredients.includes(ingredient) === false) {
98                alert(`Please enter a ingredient that is actually on your ${customerBurger._burgerName}. Case sensitive!`)
99            } else {
100               customerBurger._ingredients = customerBurger._ingredients.filter(element => !element.toLowerCase().includes(ingredient.toLowerCase()))
101               alert(`${ingredient} has been removed!`)
102           }
103       }
104
105       //Method to add ANY ingredient to burger, $1 extra if it's cheese.
106       addIngredient(ingredient) {
107           ingredient = prompt('Which ingredient would you like to add?')
108
109           if(ingredient.toLowerCase().includes('cheese')) {
110               customerBurger._ingredients.push(ingredient)
111               customerBurger._price += 1
112           } else {
113               customerBurger._ingredients.push(ingredient)
114           }
115
116           alert(`${ingredient} has been added!`)
117       }
118
119       //Adds a candle to the ingredient list, prompts a string to the user.
120       happyBirthBurger() {
121           customerBurger._ingredients.unshift('candle')
122           alert(`You let the employee know it's your birthday. Your body tenses, instantly regretting your decision upon seeing the monstrosity that happens next. The em
123
124
125                   Yum.`)
126       }
127   }
128
129   //creates a new menu, starts the application
130   let menu = new Menu();
131   menu.start();
```

Screenshots of Running Application:

Going in order, from 0 through 5.

This page says

Hello! Welcome to Borger Boi! Please customize your burger :)
All burgers come with Secret Sauce and Pickles. Cheese is extra!

0) Check out
1) Name your burger
2) Add an ingredient
3) Remove an ingredient
4) View your creation!
5) It's my birthday!

OK   Cancel

This page says

Enjoy!

OK

This page says

Enter a name for your burger:

Big Borg

OK   Cancel

This page says

Which ingredient would you like to add?

Peanuts

OK   Cancel

This page says

Peanuts has been added!

OK

This page says

Which ingredient would you like to remove?

PeAnUtS

OK   Cancel

This page says

peanuts has been removed!

OK

This page says

The total is $7.99 for your Hamburger.

Your burger toppings:
secret sauce,
pickles,
100% beef patty,
sourdough bun.

OK

This page says

You let the employee know it's your birthday. Your body tenses, instantly regretting your decision upon seeing the monstrosity that happens next. The employee sticks a candle straight in the middle of your Cheese Burger. You take a bite. It tastes like wax.

Yum.

OK

This page says

The total is $7.99 for your Hamburger.

Your burger toppings:
candle,
secret sauce,
pickles,
100% beef patty,
sourdough bun.

OK

URL to GitHub Repository:

https://github.com/ConwayCJ/PromineoTechWeek5