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.
   1. Use at least one array.
   2. Use at least two classes.
   3. Your menu should have the options to create, view, and delete elements.

**Screenshots of Code:**

//index.js for FESD Javascript Week5

// 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.

//      Use at least one array.

//      Use at least two classes.

//      Your menu should have the options to create, view, and delete elements.

//SORRY - I couldn't get this to paly out perfectly.

class Cart{

    constructor(name) {

        this.name = name

        this.items = [];

    }

}

class Menu{

    constructor(){

        this.carts = [];

        this.selectedItem = null;

    }

    begin(){

        let userChoice = this.mainMenu();

        while(userChoice != 0){

            switch(userChoice){

                case "1":

                    this.createNewCart();

                    break;

                case "2":

                    this.listCart();

                    break;

                case "3":

                    this.addToCart();

                    break;

                case "4":

                    this.deleteFromCart();

                    break;

                default:

                    userChoice = 0

            }

            userChoice = this.mainMenu();

        }

        alert("GOOD BYE :-)");

    }

    mainMenu(){

        return prompt(`

        MAIN MENU

        0) EXIT

        1) CREATE CART

        2) SHOW CART

        3) ADD TO CART

        4) DELETE FROM CART

        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

        `);

    }

    createNewCart() {

        let cartName = prompt("Name your cart:")

         this.carts.push(new Cart(cartName));

    }

    listCart() {

        let cartString = " ";

        for(let i = 0;i < this.carts[0].items.length; i++) {

            cartString += i + ") " + this.carts[i].items + "\n";

        }

        let newItem = prompt(`

        ${cartString}

        What would you like to add to your cart?

        `)

        this.carts[0].items.push(newItem)

    }

    addToCart() {

        let item = prompt("What would you like to add to the cart?")

        this.carts[0].items.push(new Item(item));

    }

    deleteFromCart() {

        let index = prompt("Which item would you like to delete from the cart?")

        this.carts[0].items.splice(index, 1);

    }

    // listCarts(){

    //     let cartsString = " ";

    //     for (let i = 0;i < this.carts.length; i++) {

    //         cartsString += i + ") " + this.carts[i].name + "\n"

    //     }

    //     let selection = prompt(`

    //     ${cartsString}

    //     Which cart do you want to change?

    //     `)

    // //alert(cartsString);

    //     switch (selection) {

    //         case "0":

    //             this.listCart(selection)

    //     }

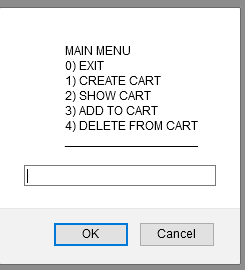
    // }

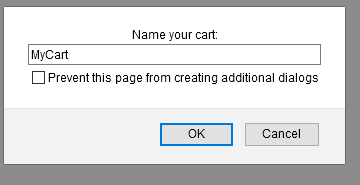
}

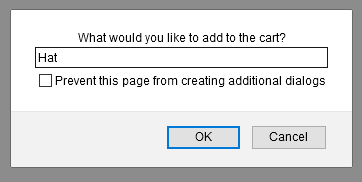
let menu = new Menu;

menu.begin();

**Screenshots of Running Application:**

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**URL to GitHub Repository:**

**https://github.com/mctimoth/FESD-Week5**