

Shopping Cart System

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Introduction

The Shopping Cart System is a command-line tool designed to help users manage their shopping carts. It allows users to add items with details like name, size, quantity, and price; remove items by name; and view the total cost of all items in their cart. This tool uses basic programming concepts like arrays and objects to keep track of the products and their prices, making it easy to manage and update the cart as needed.

Objectives

- **Enhance Coding Abilities:** Develop and improve personal coding skills by working with arrays, objects, and functions to create a functional and interactive shopping cart tool.
- **Strengthen Debugging Skills:** Learn to identify and fix issues in the code, improving problem-solving abilities and gaining experience in debugging and refining software.
- **Gain Practical Experience:** Apply theoretical knowledge to a real-world scenario, gaining hands-on experience in building and managing a simple software application from start to finish.

Features

- **Add Products:** Users can add items to the cart by providing details such as product name, size (for garments), quantity, and price. The system calculates the total cost for each product based on the quantity and price.
- **Remove Products:** Users can remove items from the cart by specifying the product name. The system finds and deletes the matching item from the cart.
- **View Cart Contents:** Users can view a detailed list of all items in their cart, including product name, size (if applicable), quantity, price, and total cost for each item. The system also displays the overall total cost of all items in the cart.

User's Instructions to run

Download and Place Files:

- Download or create the shoppingCartSystem.js and index.html files.
- Ensure both files are saved in the same folder on your computer.

Open the HTML File:

- Double-click on index.html or right-click it and choose "Open with" to open it in your preferred web browser (e.g., Chrome, Firefox, Edge).

Interact with the System:

- A welcome alert will appear introducing the Shopping Cart System.
- Follow the prompts to add items to your cart, remove items, or view your cart.

Add Items:

- Respond to prompts to enter details for new items, such as product name, size (for garments), quantity, and price.
- You can add multiple items until you choose to stop.

Remove Items:

- Choose to remove an item by entering the product name when prompted.
- The item will be removed from your cart if it exists.

View Cart:

- View a detailed list of all items currently in your cart, including product name, size, quantity, price, and total cost.
- The total cost of all items in the cart will also be displayed.

Finish:

- Follow the prompts to exit the system.
- A final message will thank you for using the application and provide any last information.