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(Check code)

Assignment 2: JavaScript Basics

Objective: Enhance the order form created in Assignment 1 by adding JavaScript functionality to calculate the total cost based on product selection and quantity. This assignment will introduce students to basic JavaScript concepts and DOM manipulation.

Requirements:

1. **JavaScript Integration:**
 - Create a new JavaScript file named script.js.
 - Link the script.js file to the existing order_form.html file.
2. **DOM Manipulation:**
 - Use JavaScript to read the product price from the data-price attribute of the selected product.
 - Calculate the total cost based on the selected product price and quantity entered by the user.
 - Display a receipt using the information submitted on the form
 - Display the total cost dynamically on the form without refreshing the page.
3. **CSS Enhancements:**
 - Update the styles.css file to include styles for displaying error messages.
 - Ensure the form remains user-friendly and visually appealing with the added JavaScript functionality.

Deliverables:

1. order_form.html - The updated HTML file with JavaScript integration.
 2. styles.css - The CSS file with additional styles for error messages.
 3. script.js - The JavaScript file containing the code for total cost calculation and form validation.
4. Make sure all website files are included in a ZIP or RAR file together.

Grading Criteria:

- JavaScript Functionality (50%)
 - Correctly reading product prices from data-price attributes

- Accurate total cost calculation based on product selection and quantity
 - Dynamic update of total cost display and receipt
- DOM Manipulation (20%)
 - Proper use of event listeners
 - Efficient updating of the DOM to reflect changes in total cost
- CSS Enhancements (10%)
 - Visual appeal and usability of the form with added JavaScript functionality

Conclusion:

Students will gain hands-on experience with basic JavaScript, including DOM manipulation, event handling, and dynamic output by completing this assignment. This will set the stage for more advanced JavaScript topics in subsequent assignments.