

CS393 - Homework (3)

Assignment Date : 29.12.2021

Deadline : 8.1.2022 11.00 AM

- This assessment must be prepared and finalized individually.
- You must upload your project into LMS as an archive file.

Homework Details:

You will develop a Simple UI in this homework. You can continue with your project which you have already developed for Homework-2. (You can also use my project. You can download it from my GitHub address)

Rules:

1. You must develop only one HTML page. You can find a mockup page design below.
2. You must use Axios for make REST calls.
3. You must use vanilla javascript for providing dynamic functionalities: Displaying products, Add products to chart, remove products from chart, complete the purchase, etc.
4. Visual design is not required. A simple and clear design is enough. If you want, you can use CSS or any CSS framework (bootstrap etc). But you will not get extra points for design.
5. When the page is first opened, it should display all products in the database. You must make REST call for getting products from database.
6. "Add to Chart" button must add selected product to the shopping cart and must update the total amount . You must not make Rest call for this operation. These functionalities must be provided by client-side development (JavaScript)
7. "Remove Selected Items" button must remove selected products from the shopping cart and must update the total amount. These functionalities must be provided by client-side development too(JavaScript).
8. "Buy" button must create an Order item and save it to the database. You must make a Rest call for saving Order data into database.
 - a. If you haven't already developed, you need to develop a new Restful service for saving Order.
 - b. Be careful about the Order entity. Order – Products relationship is a many-to-many relationship. An Order can have many products, and any number of Orders can have same product. After successful purchase your tables should look like the following tables:

Product Table:

ID	DESC	PRICE
1	Product 1 name description ...	100
2	Product 2 name description ...	30
3	Product 3 name description ...	200

Order Table:




ID	AMOUNT	CUSTOMER_ID
100	300	7
101	130	8

Order Product Relation Table:

ID	ORDER_ID	PRODUCT_ID
1	100	1
2	100	3
3	101	1
4	101	2



Hint: If you wish, you can keep the selected products in an array (cart). If you define your array globally, you can access your array from any function. But you can also use other techniques (local storage, session, etc.) Keeping shopping cart data on the server is not allowed.

Shop All Deals

	PHILIPS Wired Gaming Keyboard and Mouse Combo RGB Backlit, Mechanical Feel, 104 Keys with Fast Switches, Programmable Gaming Mouse Adjustable DPI for Windows PC Gamers	Price: \$49.99	Add to Cart
	Melissa & Doug Wooden Building Blocks Set - 100	Price: \$13.99	Add to Cart
	SanDisk 1TB Extreme Portable SSD - Up to 1050MB/s - USB-C, USB 3.2 Gen 2 - External Solid State Drive - SDSSDE61-1T00-G25	Price: \$129.99	Add to Cart

Your Shopping Cart

[Remove Selected Items](#)

	Melissa & Doug Wooden Building Blocks Set - 100	Price: \$13.99	<input type="checkbox"/>
	SanDisk 1TB Extreme Portable SSD - Up to 1050MB/s - USB-C, USB 3.2 Gen 2 - External Solid State Drive - SDSSDE61-1T00-G25	Price: \$129.99	<input type="checkbox"/>

Subtotal (2 items): \$143.98

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