

## Group no: 7

### Vulnerability Type:

Security

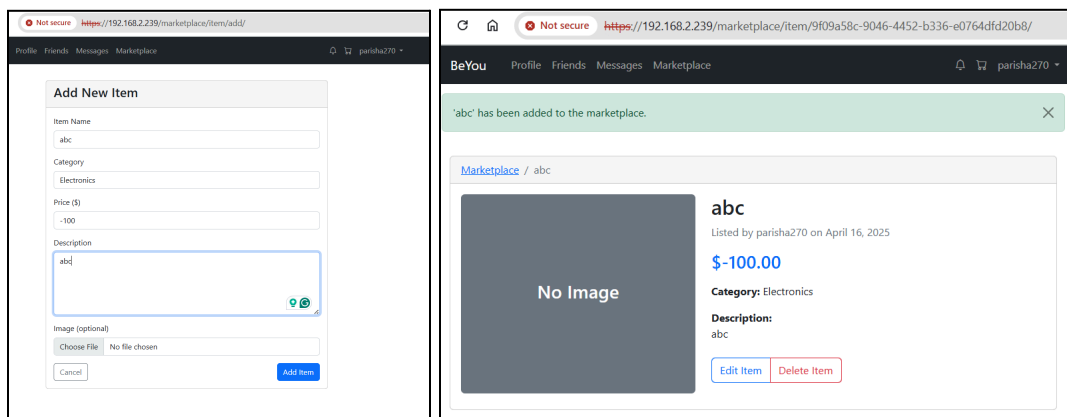
**Brief Discription:** There is no check on creating and purchasing items with negative prices in marketplace. I have completely ordered an item with negative payment amount without any issue. This allows attackers to exploit the payment logic and place successful orders with negative total amounts leading to possibly severe financial and system integrity implications.

### Steps to Reproduce:

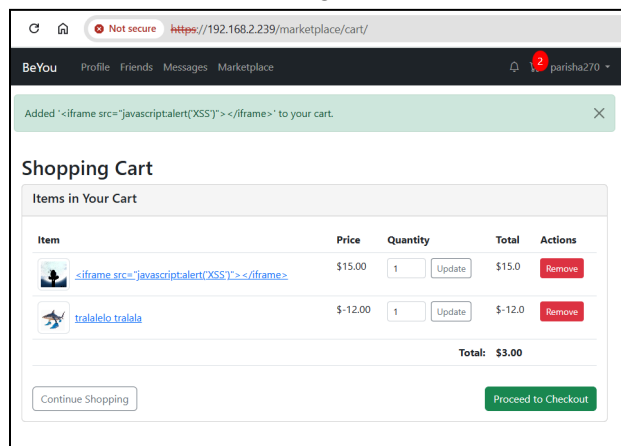
- 1) Go to <https://192.168.2.239/marketplace>
- 2) Select any item with -ve payment and proceed to buy it. If there is no such item then create one with a account and but it with other one.
- 3) Then see that there is no check or error shown even though amount is -ve and we can buy with negative amount.

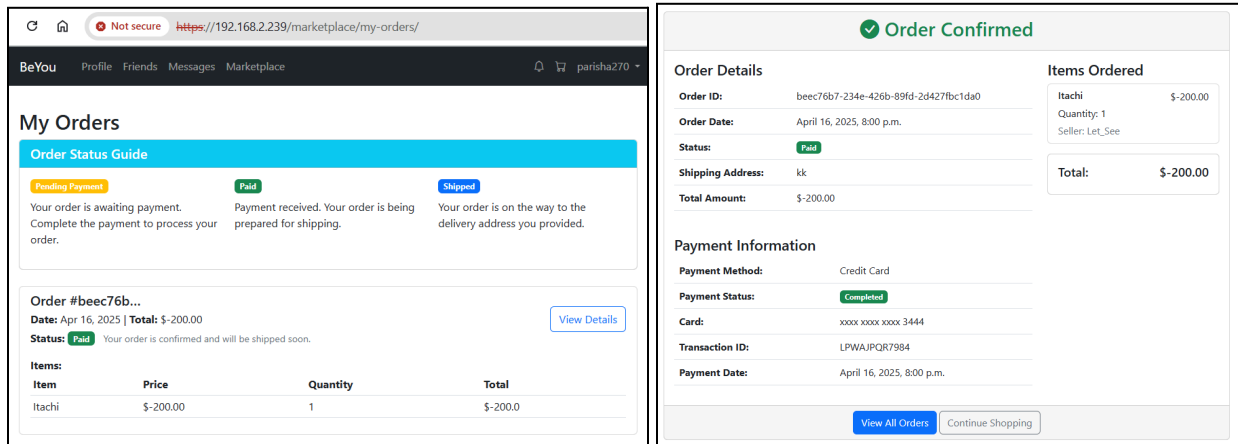
### Proof of Concept:

I can create an item with -ve price amount. And then using other account i can buy it as well without any error shown throughout the process.



I can also add multiple items in cart and see that negative price item decreases the amount to pay.





## Impact:

As there is no check on negative amount, attackers could trick the system into paying them money (as negative payment implies money returned) and bypass the actual payment by exploiting negative amounts. In the example ss as well we can reduce the cart value by adding item with negative amount so attackers could potentially receive money or avoid the actual payments. So there is order confirmed despite the invalid payment flow and its accepting logically invalid transactions