Union Based SQLi Report - 17.6.3 - 17

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Lab 17.6.3 "Union Based SQLi":

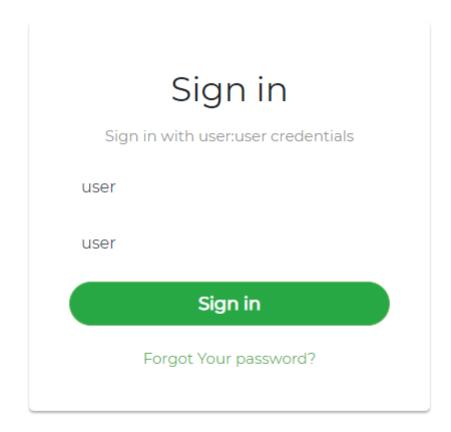
• General information:

• Testing period: 15.02.2023

• Test object: http://51.250.73.193:5009/

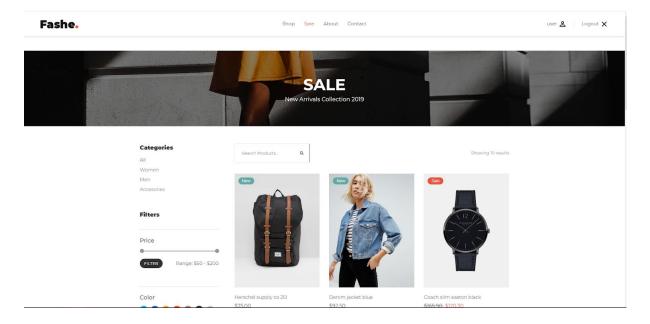
• Description of actions:

After clicking on the site, I roughly figured out its functionality, what redirects where. Next, I additionally looked and inspected the code of the page, where I did not find anything.



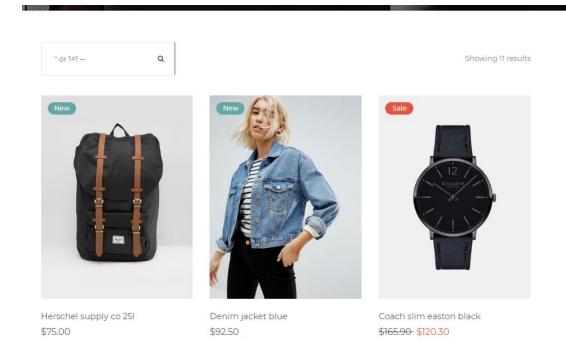
Don't have an account? Sign up

So, the start page with authorization offers to log in as user:user, which I did.

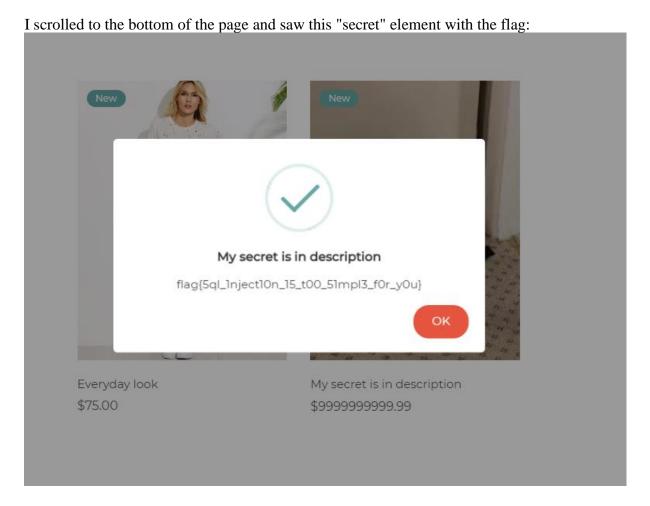


There is a search form on the site, the first possible entry point. You can try to type something like HTML injection <alert> but it didn't lead to anything. It just gave away that no such items were found. You can try SQL injection by inserting something in quotation marks into the form, thus trying to go beyond them. I typed in 'hahaha' (with brackets) for the test and it didn't lead to anything either. I tried it with double brackets ("hahaha") and that's it resulted in a 500 Internal Server Error, which may mean that this type of request was processed failed.

I'll introduce a simple SQL injection of the form: " or 1=1 -- which should return TRUE, because 1 always equals 1.



Now 11 items are displayed, although there were 10.



Lab Done!

Self-Assessment Questions:

- List the tools (programs and utilities) you used to solve this lab:Web browser (Google Chrome);
- List the vulnerabilities you discovered:Union Based SQL Injection
- Give advice on how to improve security:

Check forms for the ability to enter special characters such as quotation marks, equal signs, and various parentheses. This should not be the case.