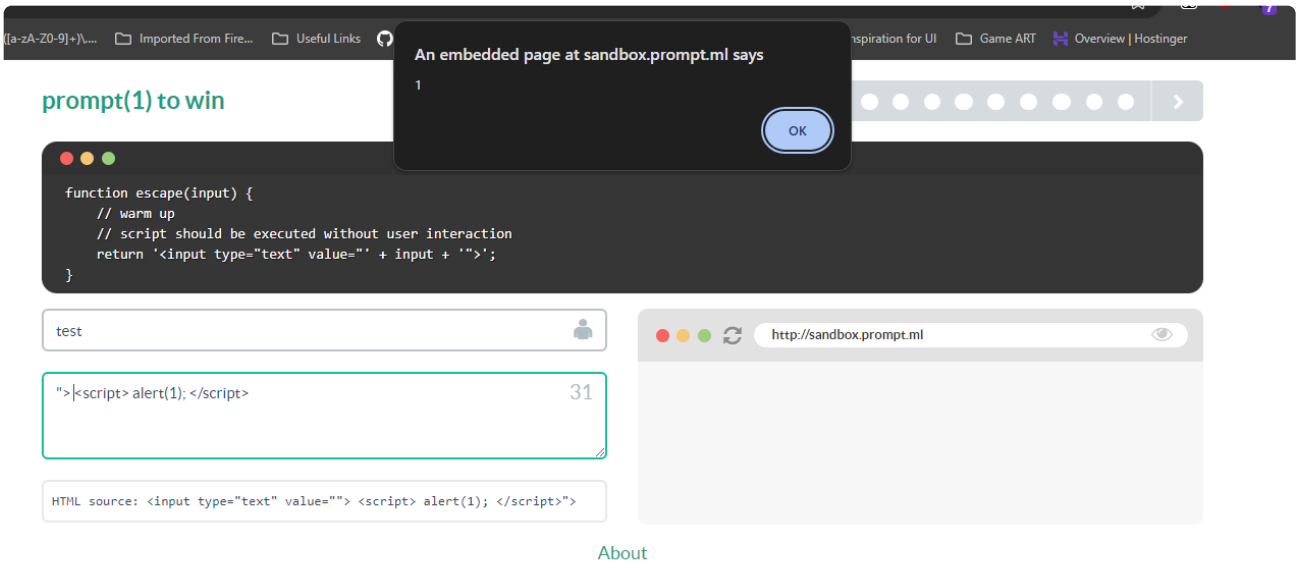
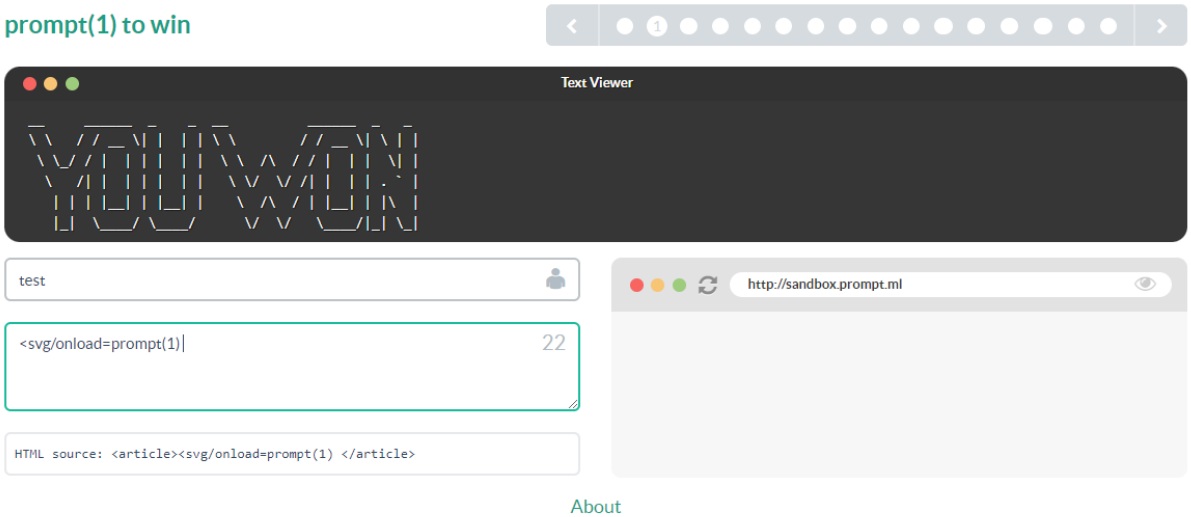
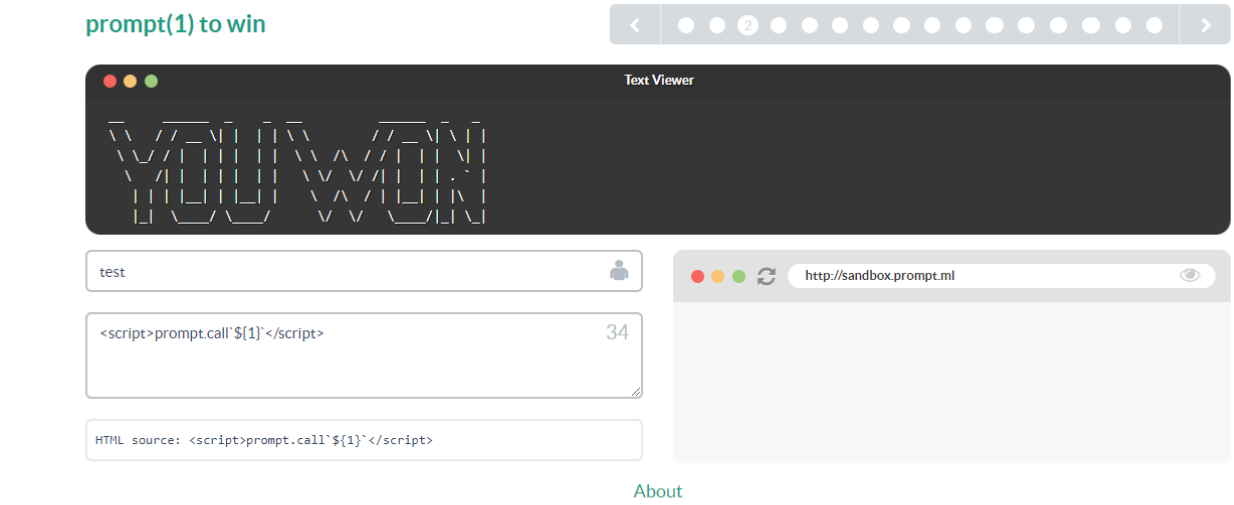
Level 0 : No input sanitization or filtering, break input using a double quote, close the input tag script and insert your payload



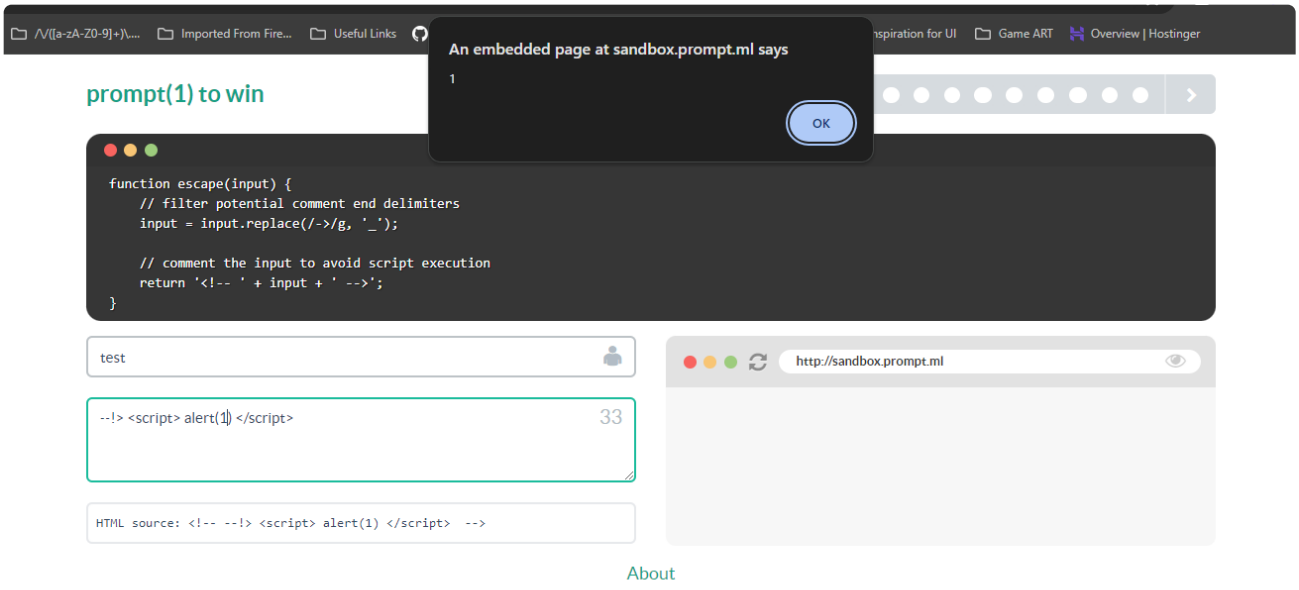
Level 1 : Simple Regex filtering that blocks all input included in tags, copied the regex from code and kept experimenting on it on https://regexr.com/ with known XSS payloads. I didn't get a prompt but it did say I won.



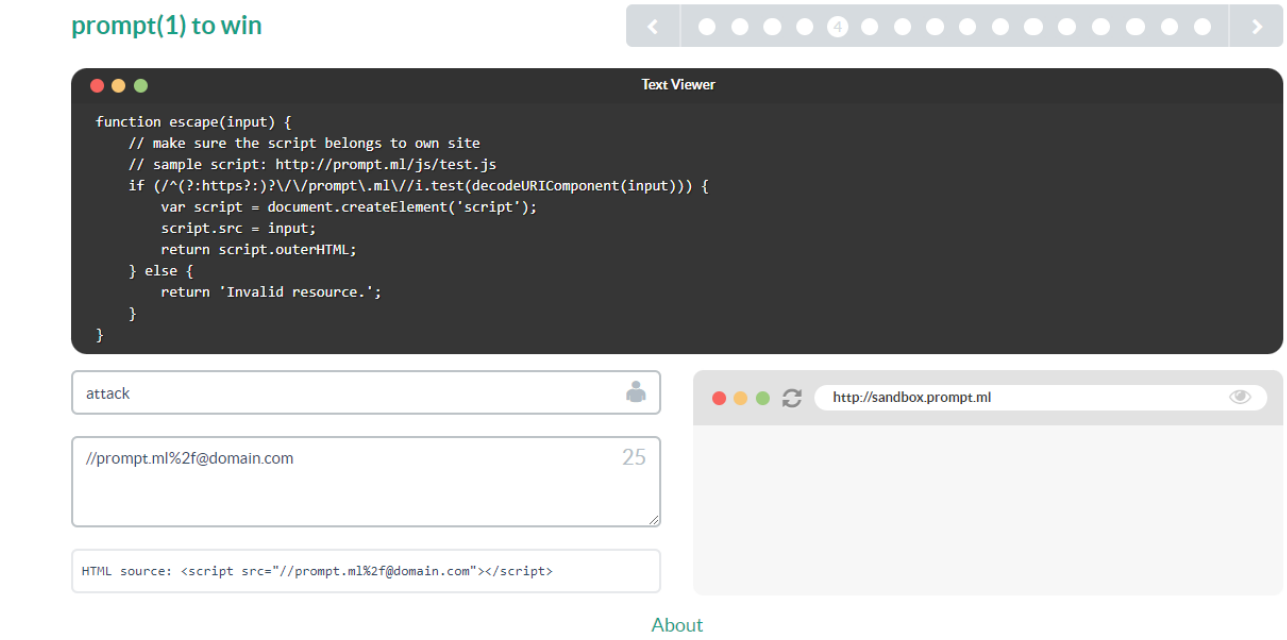
Level 2 : the code blocked all equal signs and left parenthesis, you can either encode the left parenthesis ⟶ (and use the svg element to inject it or use ES6 new capabilities and use the payload i used below.



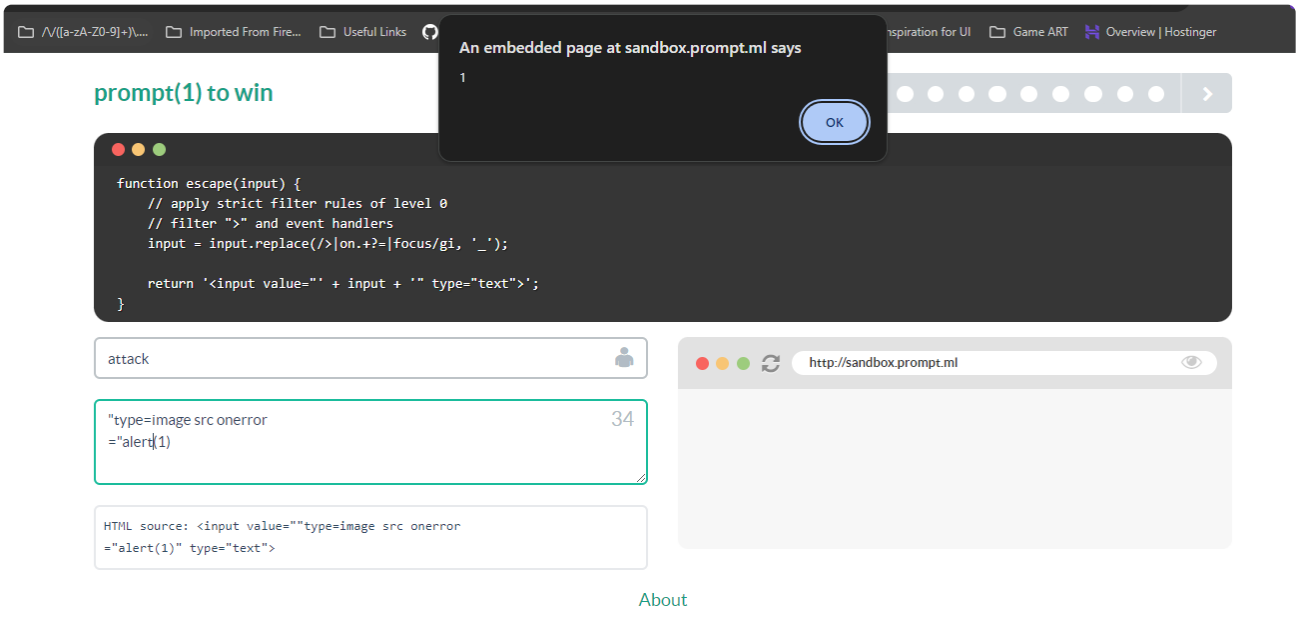
Level 3 : Just break out of comment, pretty easy since the HTML5 comment ending (--!>) isn't filtered and add your payload



Level 4 : I was unable to get this to work since I'm guessing i would have to own a domain the executes the script and link it here so it executes
the payload i added below shouldn't trigger the regex so it counts as a pass.



Level 5 : This one blocks any event handlers starting with on (onerror, onhover, etc..) followed by an equal and focus events. We can bypass the regex by adding a new line break before the equal.

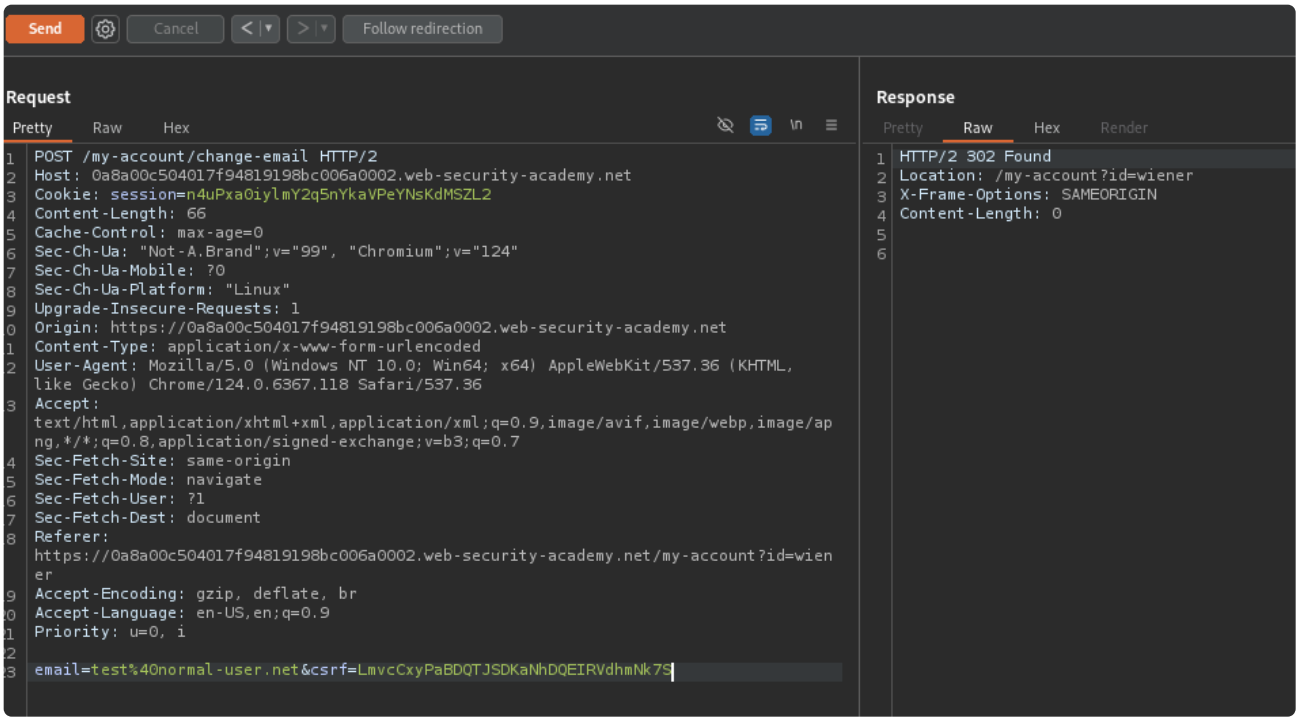


PortSwigger Tasks:

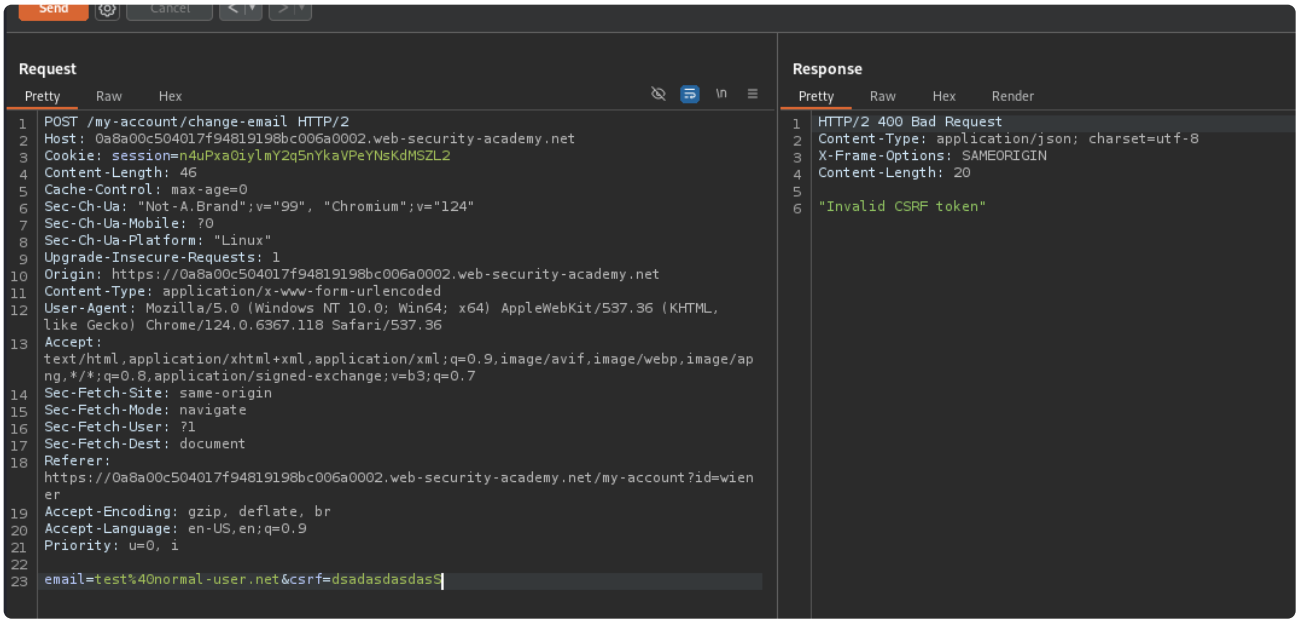
1- CSRF vulnerability with no defenses :
apparently this one is broken and is giving a 504 gateway timeout response when pressing access lab but i had already solved it before.

2- CSRF where token validation depends on request method :

I sent a change email request and noticed that the form is being verified with a csrf token.

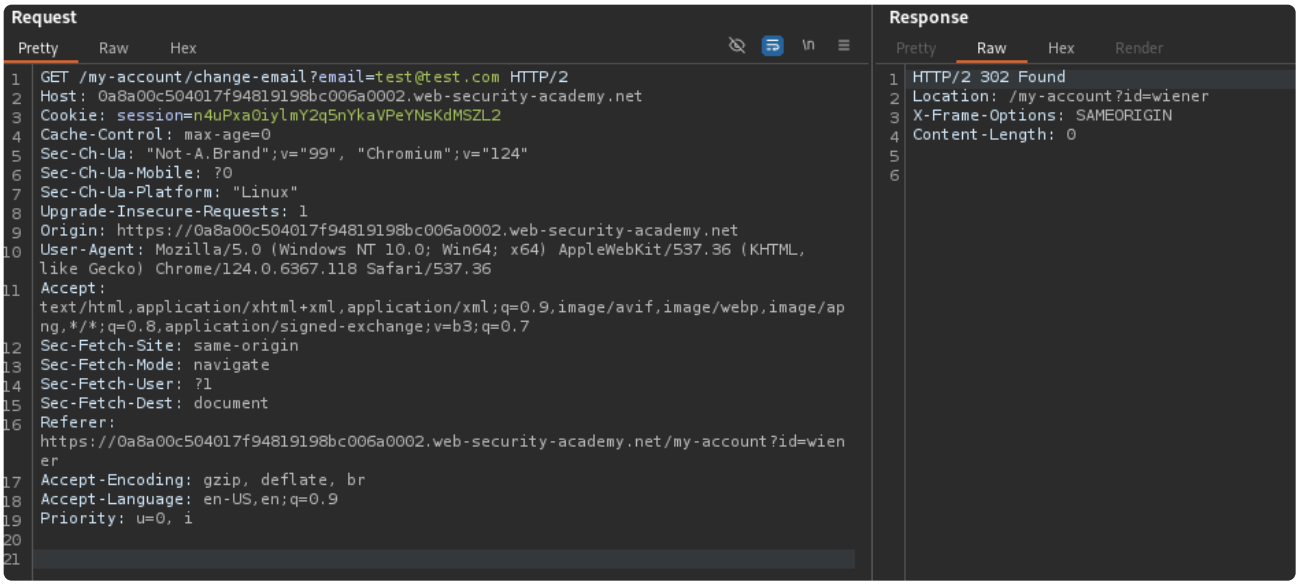


I tried editing it and it threw an error

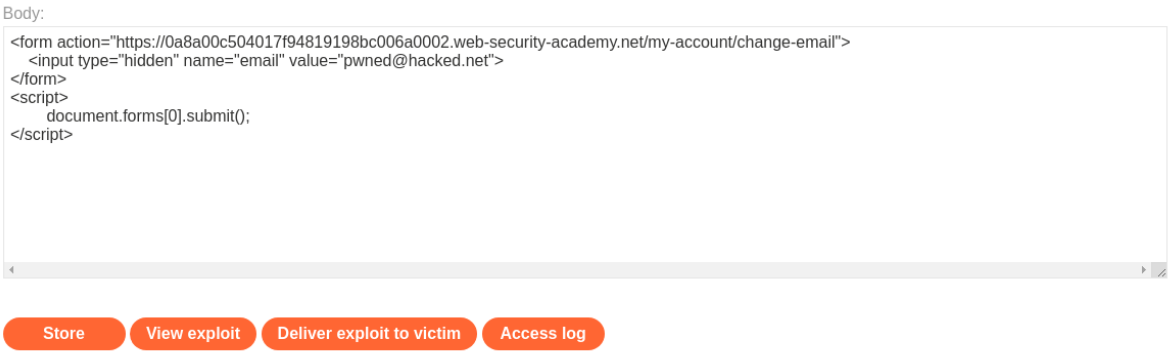


I thought maybe the csrf token is only applied to POST since its sending data, I tried changing the request method to GET instead of

POST and it worked



Added the CSRF PoC to the exploit server, stored it and sent to victim and the lab was completed

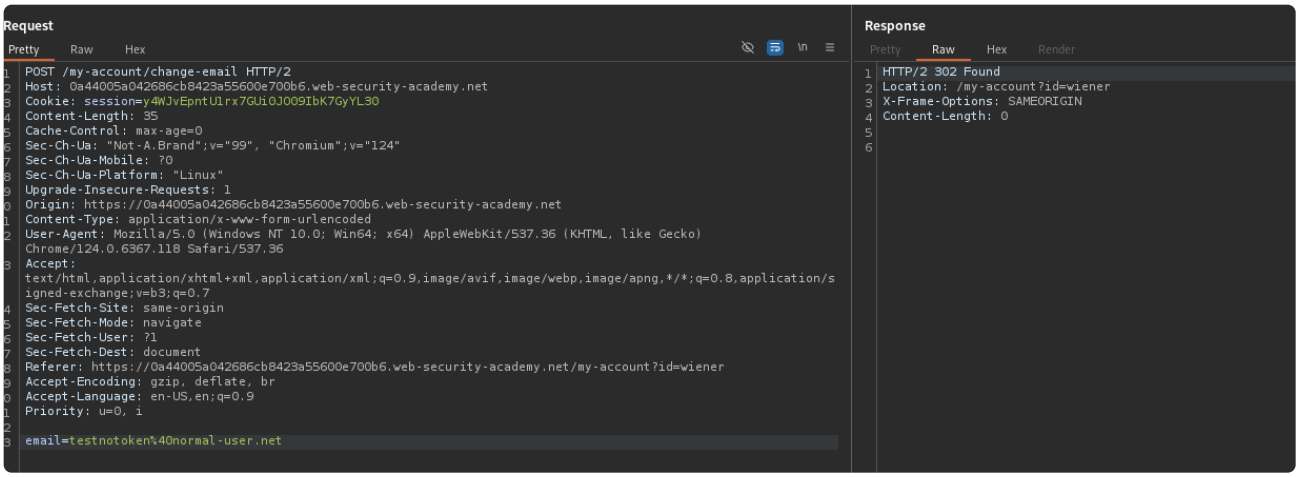


3- CSRF where token validation depends on token being present:

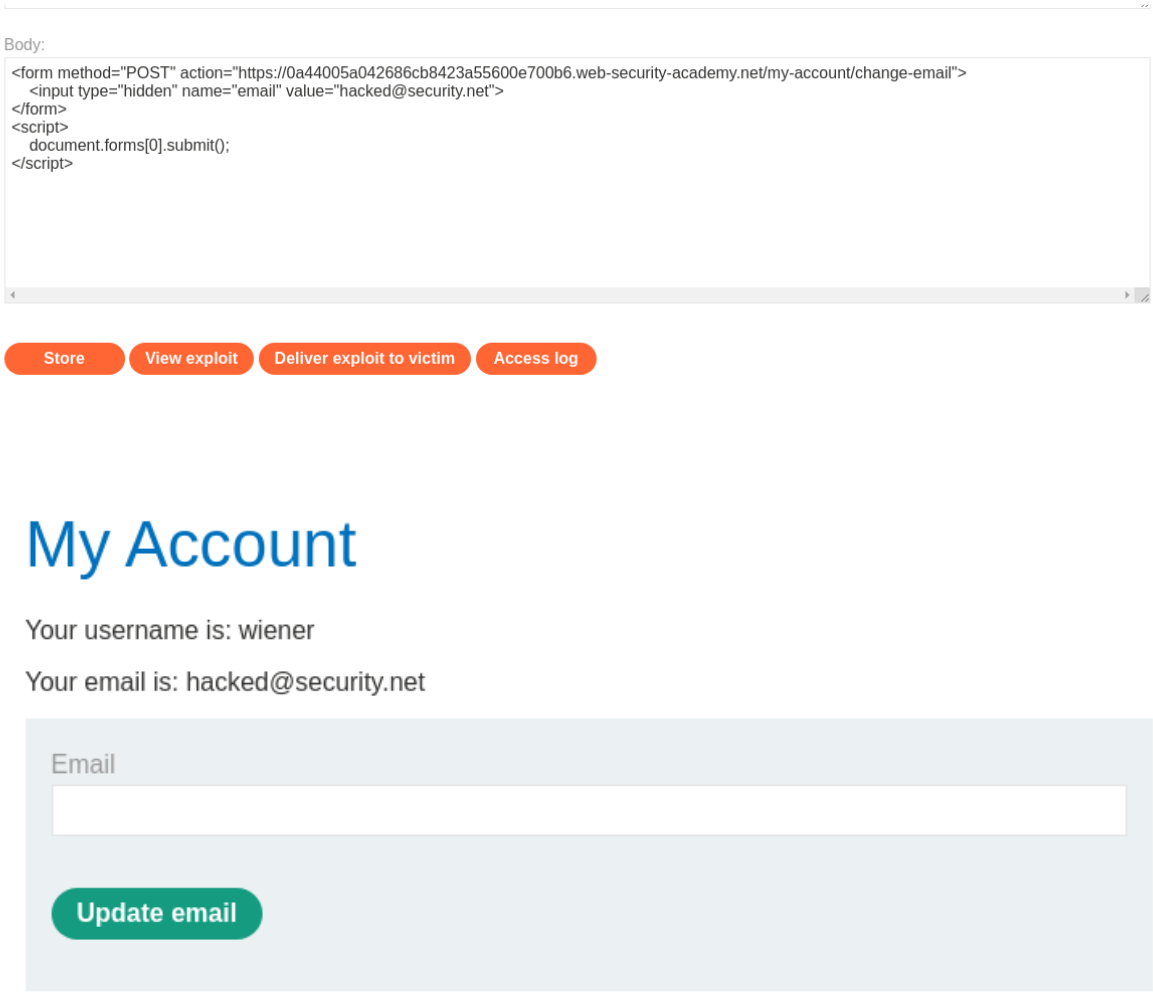
I tried same as other lab but this time when changing to GET request it gives a request not allowed error.

I thought maybe it had something to do with the session and it looked like it could have been a base64 token, tried decoding it but no luck.

Then i tried removing the csrf token parameter all together and it worked lol



The lab wasn't completing but the exploit did work so im counting this as solved.



Cross-site request forgery (CSRF)

https://www.vcebhopal.ac.in :

I tried using feroxbuster while lowering thread count and randomizing user agent but i got blocked after around 500 requests. but i did managed to find this file https://www.vcebhopal.ac.in/a/-/-/proc/thread-self/root/etc/security/access.conf containing potentially sensitive data. Indicating a Broken Access Control Vulnerability and there could be more.