

Course: Cloud and Network Security-C1-2026
Cyber Shujaa Program

Week 3: Examining Network Layers 4-7
Assignment 2: HTB Academy- Web Requests

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Introduction

The purpose of this assignment is to provide foundational knowledge of web request mechanisms used in web communication.

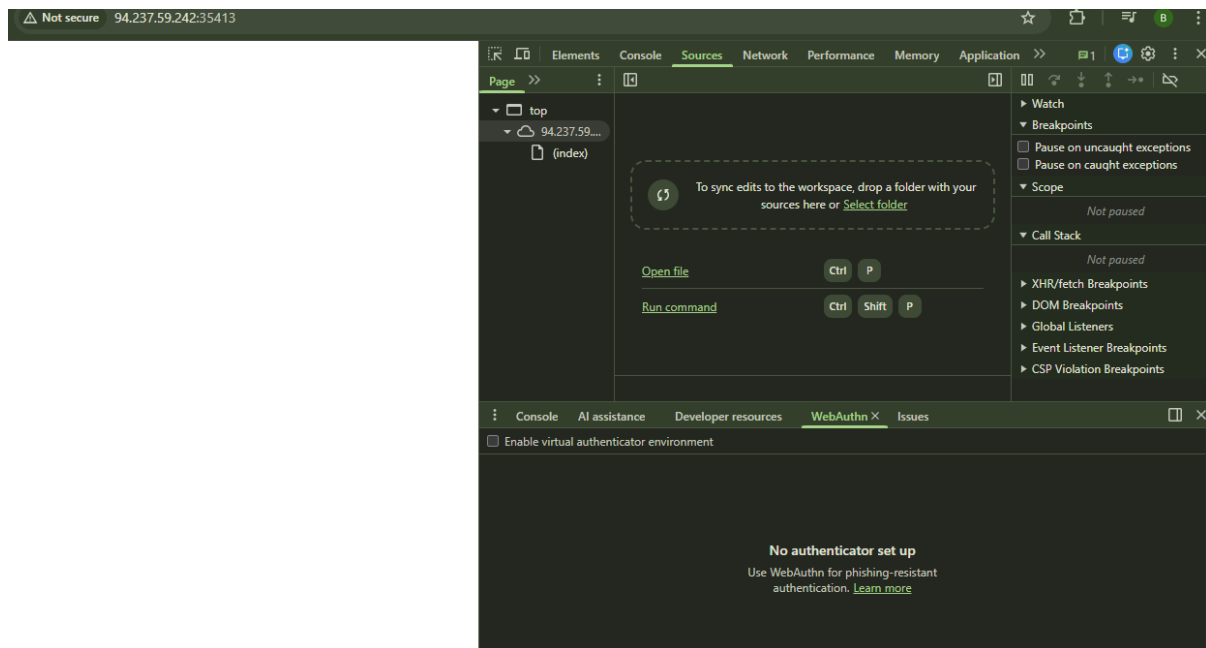
Objectives

The objectives of the assignment were:

1. To understand the concept of web request and responses
2. To identify common HTTP methods used in web communication
3. To explain the structure of HTTP requests, including headers and parameters
4. To understand the importance of web requests in web application security

HTTP Fundamentals

1. Hyper Text Transfer Protocol (HTTP)



academy.hackthebox.com/module/35/section/219

Enable step-by-step solutions for all questions

Questions

Answer the question(s) below to complete this Section and earn cubes!

Target(s): [Click here to spawn the target system!](#)

+1 🟩 To get the flag, start the above exercise, then use cURL to download the file returned by '/download.php' in the server shown above.

HTB{64\$!c_cURL_u\$3r}

Submit Hint

Next → +10 Streak pts Mark Complete & Next

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2.HTTP Requests and Responses

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Answer the question(s) below to complete this Section and earn cubes!

Target(s): [Click here to spawn the target system!](#)

+0 🟩 What is the HTTP method used while intercepting the request? (case-sensitive)

GET

Submit Hint

+1 🟩 Send a GET request to the above server, and read the response headers to find the version of Apache running on the server, then submit it as the answer. (answer format: X.Y.ZZ)

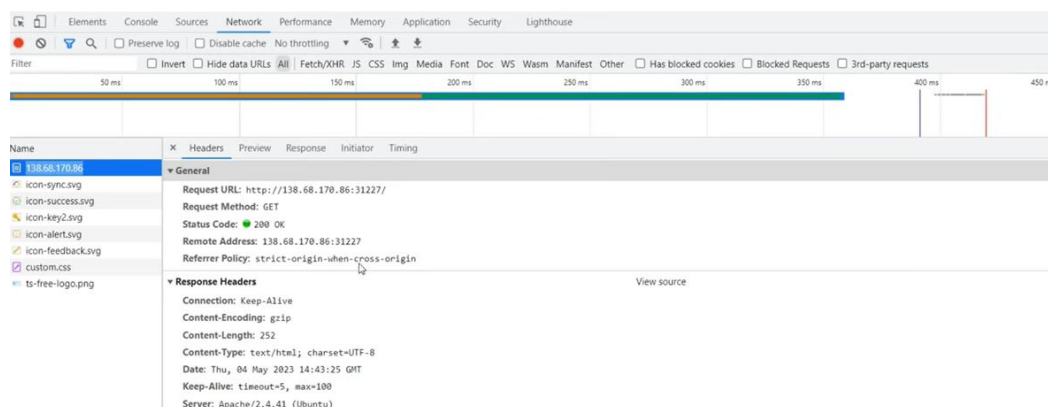
Submit your answer here...

+10 Streak pts Submit Hint

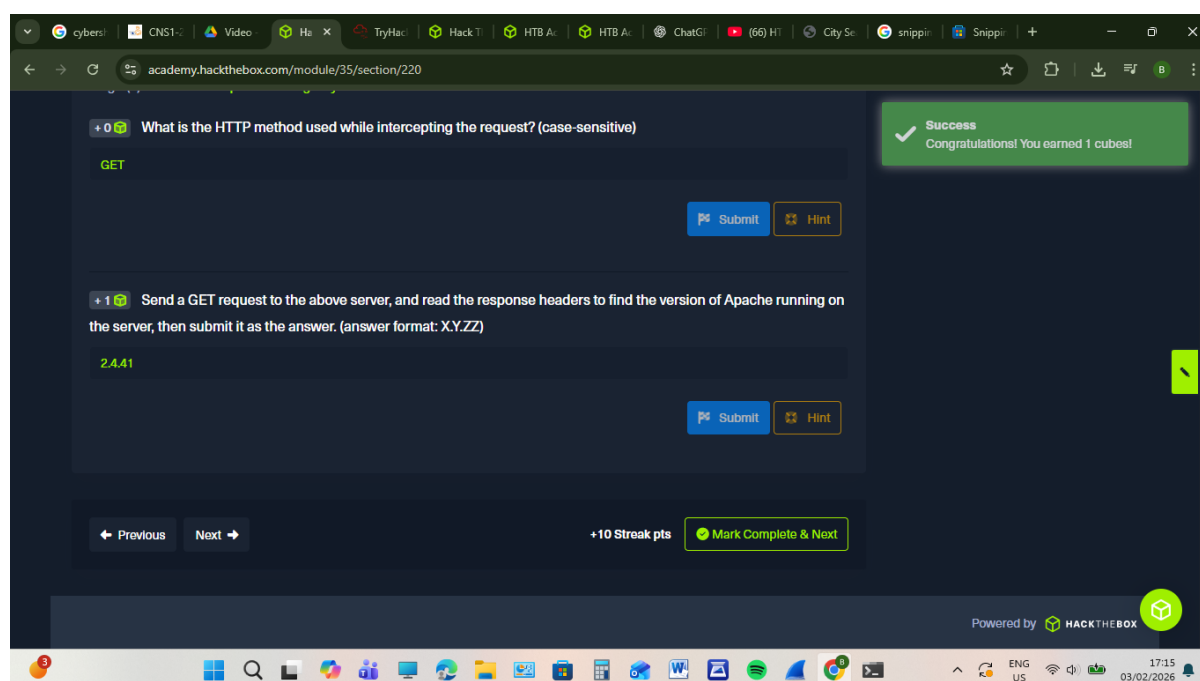
Previous Next

2. Send a GET request to the above server and read the response headers to find the version of Apache running on the server then to submit

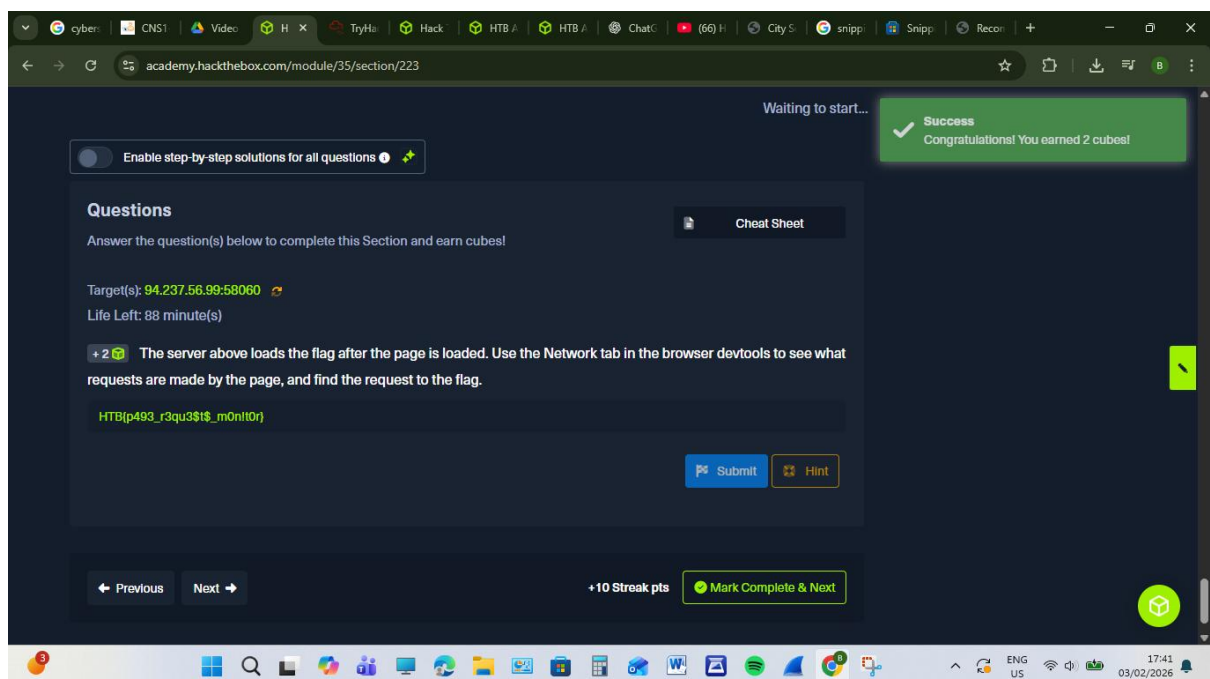
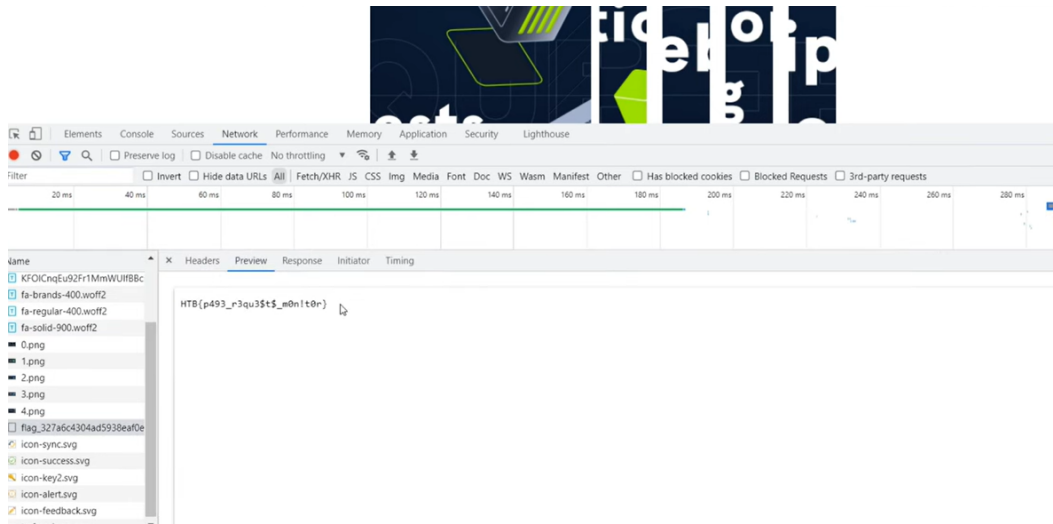
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Using cURL should be enough.



2.4.41



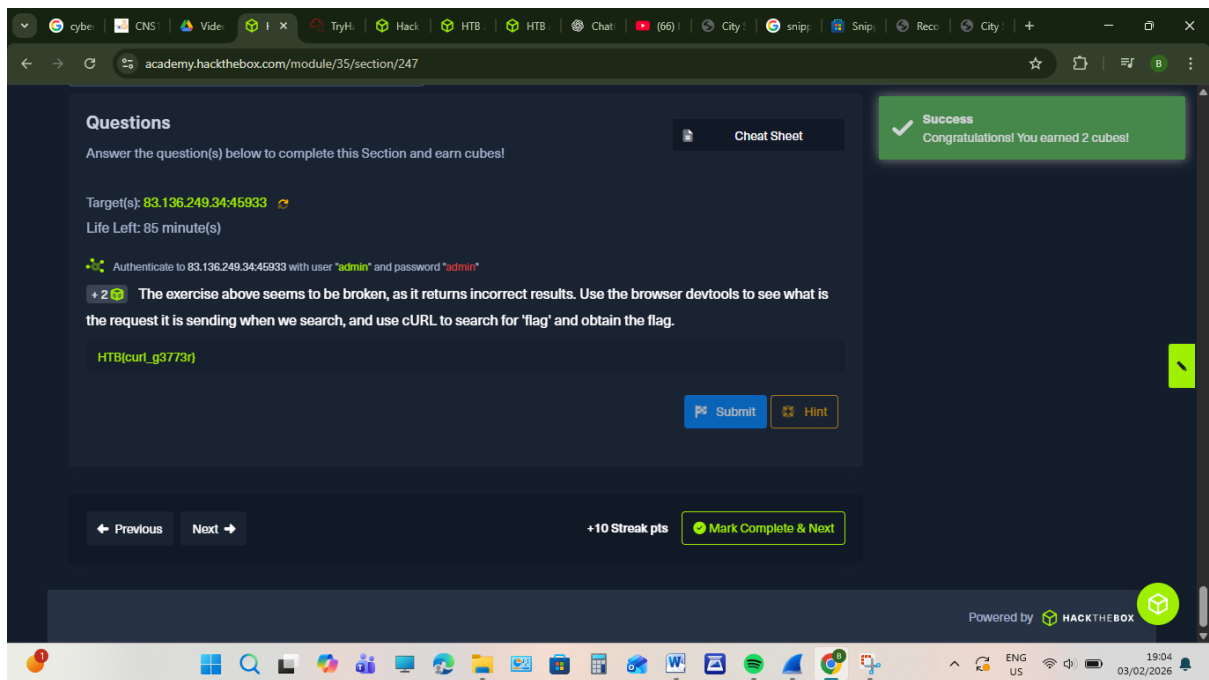
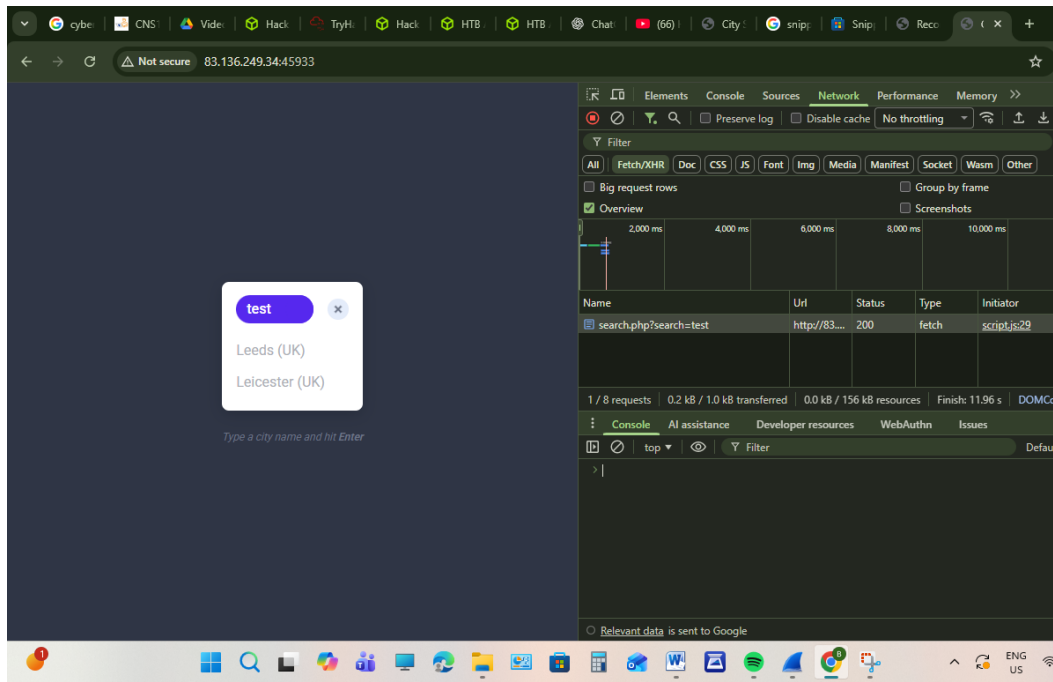
4. HTTP Headers



HTB{p493_r3qu3\$t\$_m0n!t0r}

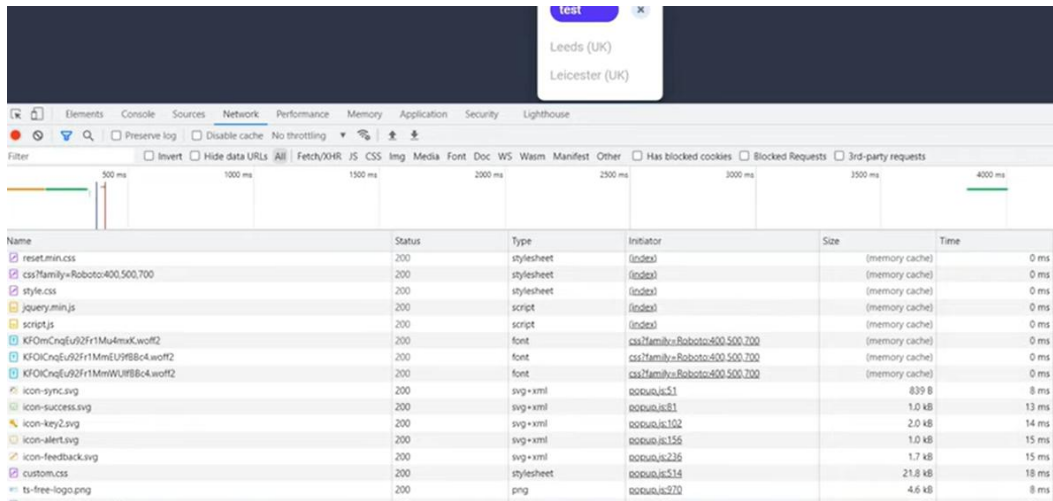
HTTP Methods

1. HTTP methods and Codes



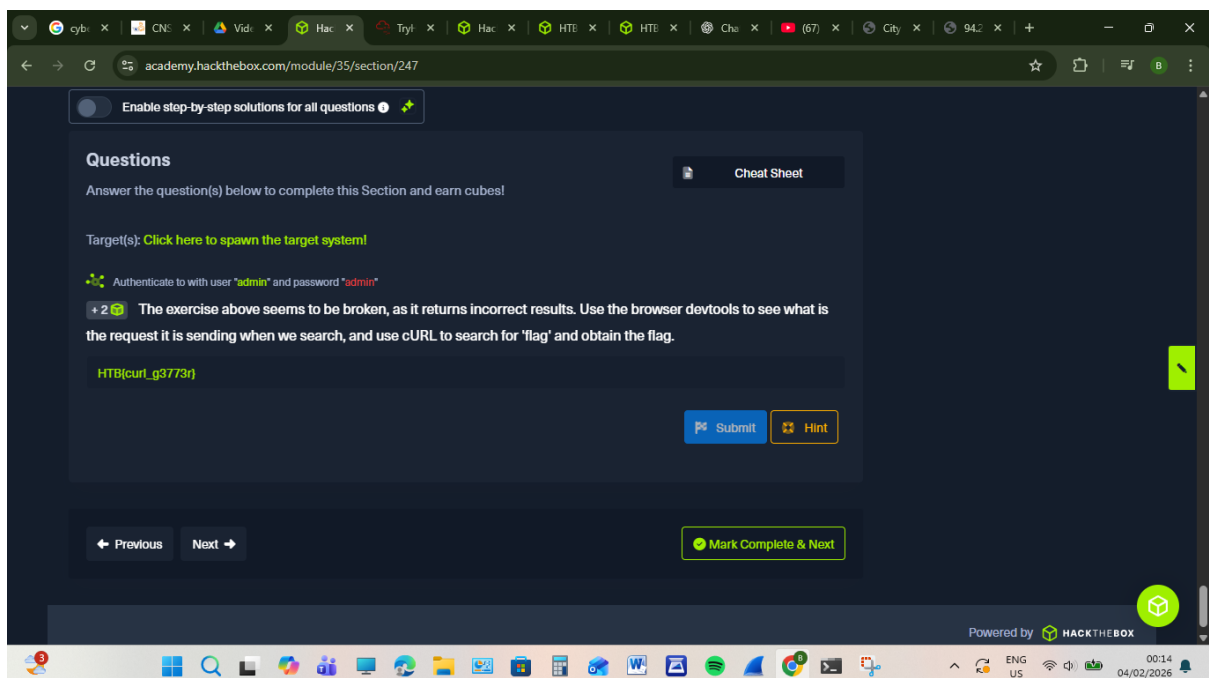
HTB{curl_g3773r}

2. GET



Name	Status	Type	Initiator	Size	Time
reset.min.css	200	stylesheet	(index)	(memory cache)	0 ms
css?family=Roboto:400,500,700	200	stylesheet	(index)	(memory cache)	0 ms
style.css	200	stylesheet	(index)	(memory cache)	0 ms
jquery.min.js	200	script	(index)	(memory cache)	0 ms
script.js	200	script	(index)	(memory cache)	0 ms
KFOmCnqEu92Fr1Mu4mxKwoff2	200	font	css?family=Roboto:400,500,700	(memory cache)	0 ms
KFOlCnqEu92Fr1MmeEU9fBc4woff2	200	font	css?family=Roboto:400,500,700	(memory cache)	0 ms
KFOlCnqEu92Fr1MmeEU9fBc4woff2	200	font	css?family=Roboto:400,500,700	(memory cache)	0 ms
icon-synch.svg	200	svg+xml	popova.is:51	839 B	8 ms
icon-success.svg	200	svg+xml	popova.is:81	1.0 kB	13 ms
icon-key2.svg	200	svg+xml	popova.is:102	2.0 kB	14 ms
icon-alert.svg	200	svg+xml	popova.is:156	1.0 kB	15 ms
icon-feedback.svg	200	svg+xml	popova.is:236	1.7 kB	15 ms
custom.css	200	stylesheet	popova.is:514	21.8 kB	18 ms
ts-free-logo.png	200	png	popova.is:770	4.6 kB	8 ms

HTB{curl_g3773r}



Questions

Answer the question(s) below to complete this Section and earn cubes!

Target(s): [Click here to spawn the target system!](#)

Authenticate to with user "admin" and password "admin"

+ 2 The exercise above seems to be broken, as it returns incorrect results. Use the browser devtools to see what is the request it is sending when we search, and use cURL to search for 'flag' and obtain the flag.

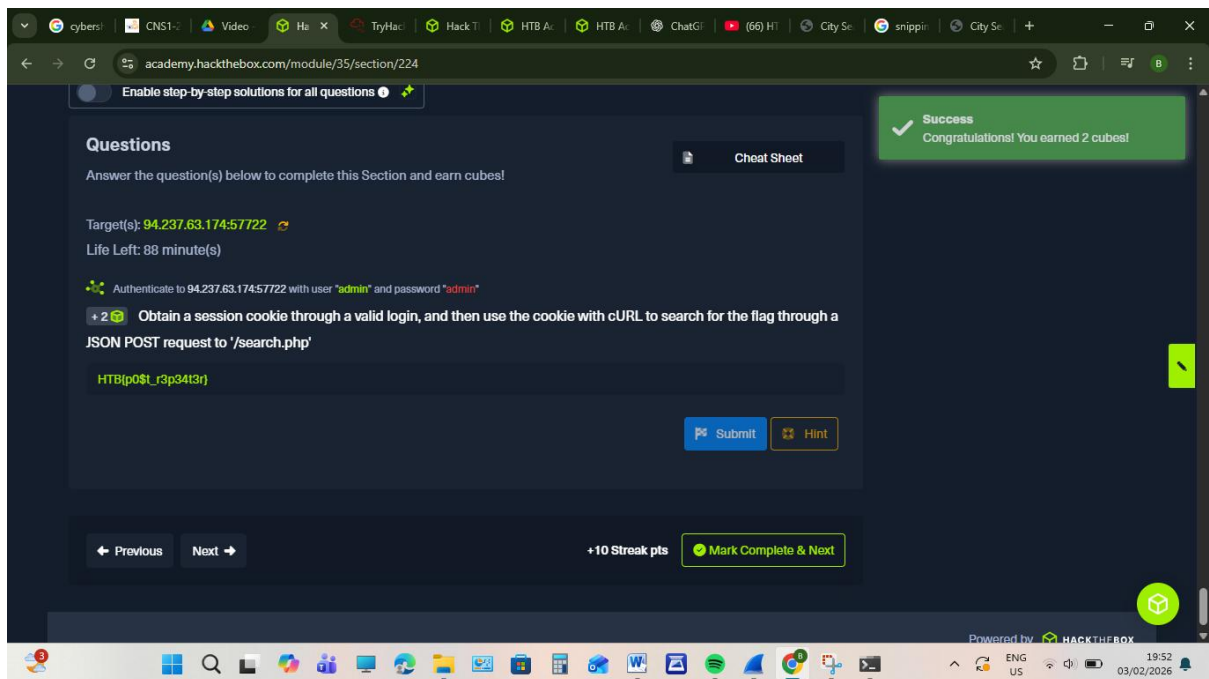
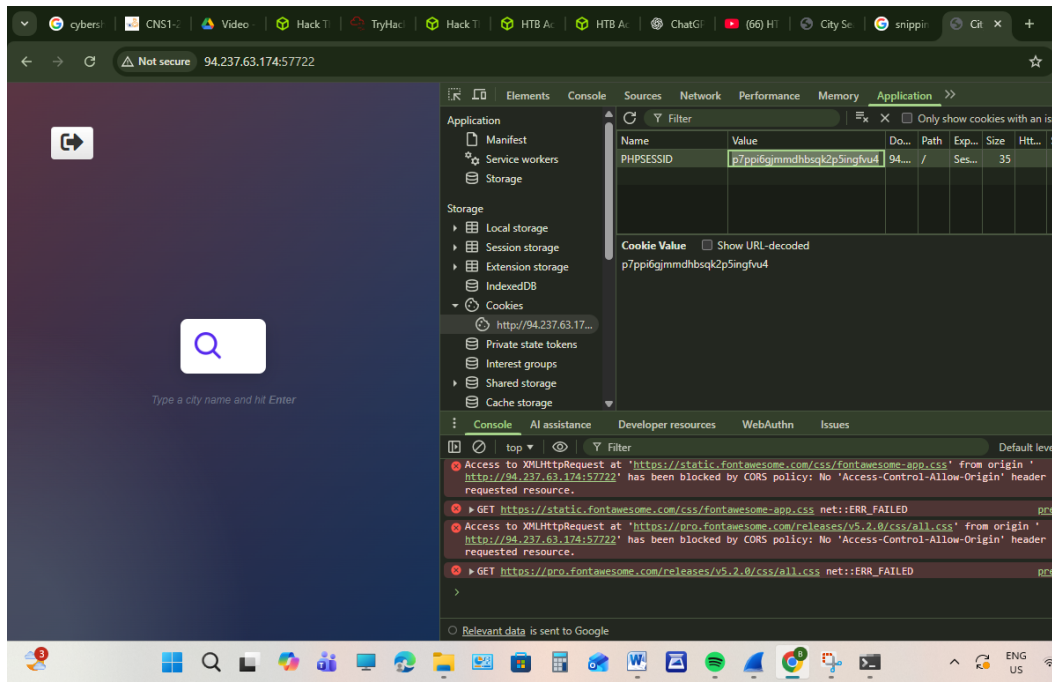
HTB{curl_g3773r}

[Submit](#) [Hint](#)

[Previous](#) [Next](#) [Mark Complete & Next](#)

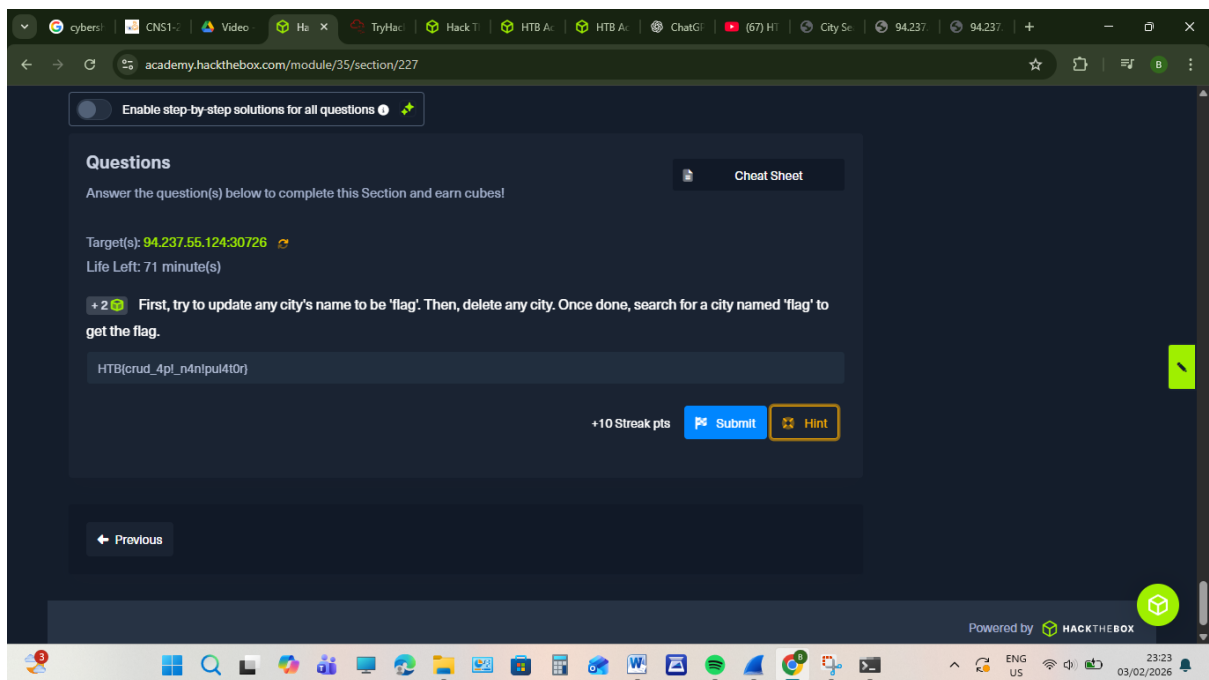
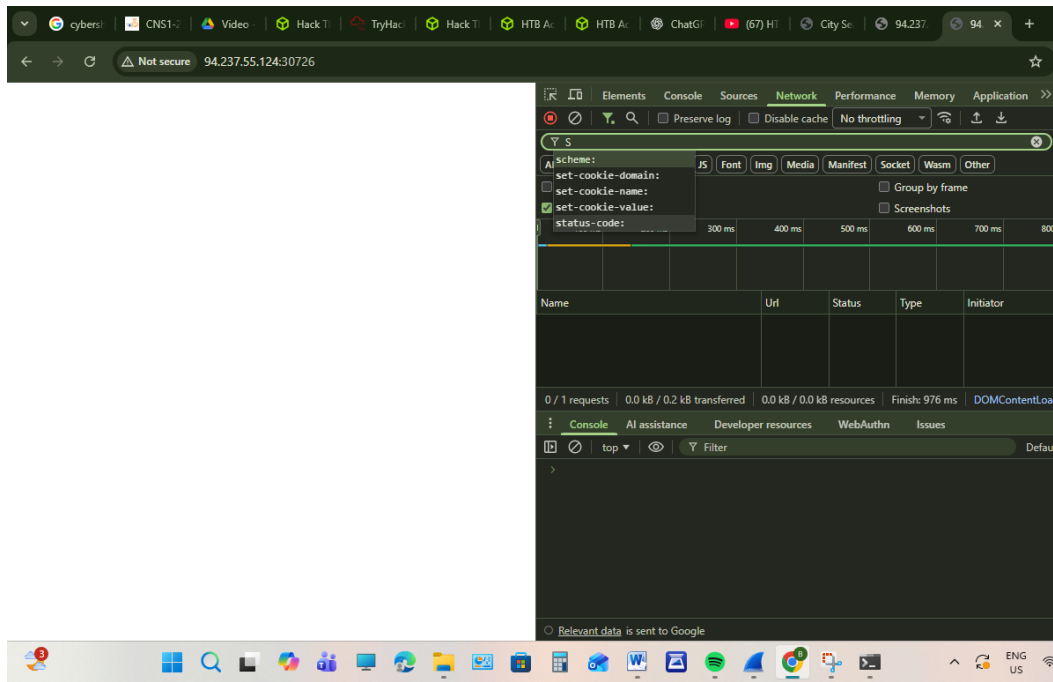
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3. POST



HTB{p0\$t_r3p34t3r}

4. CRUD API



It did not go quite well since I end up got the wrong answer

The link to vie the assignment

➤ <https://academy.hackthebox.com/module/35/section/224>

Conclusion

In conclusion this assignment provided valuable insight into web requests and their role in web communication and security. Although I experienced challenges completing the assignment due to it being my first time using HTB Academy, the exercise enhanced my understanding and built a strong foundation for further learning in web application security.