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.

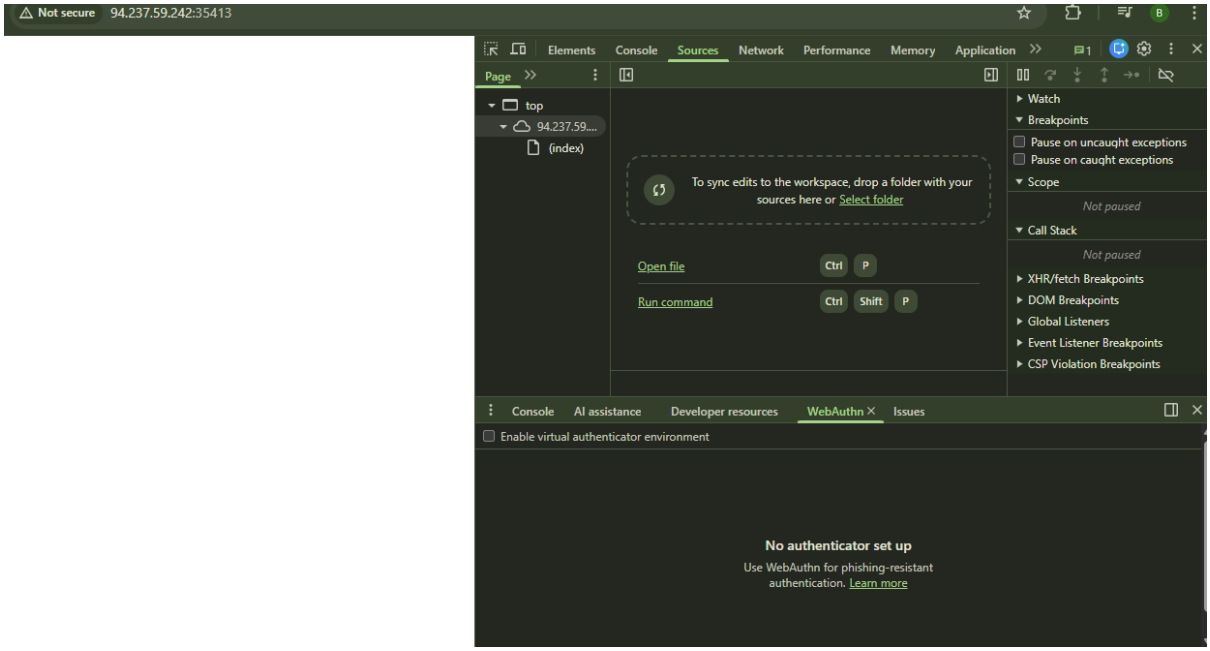
Objectives

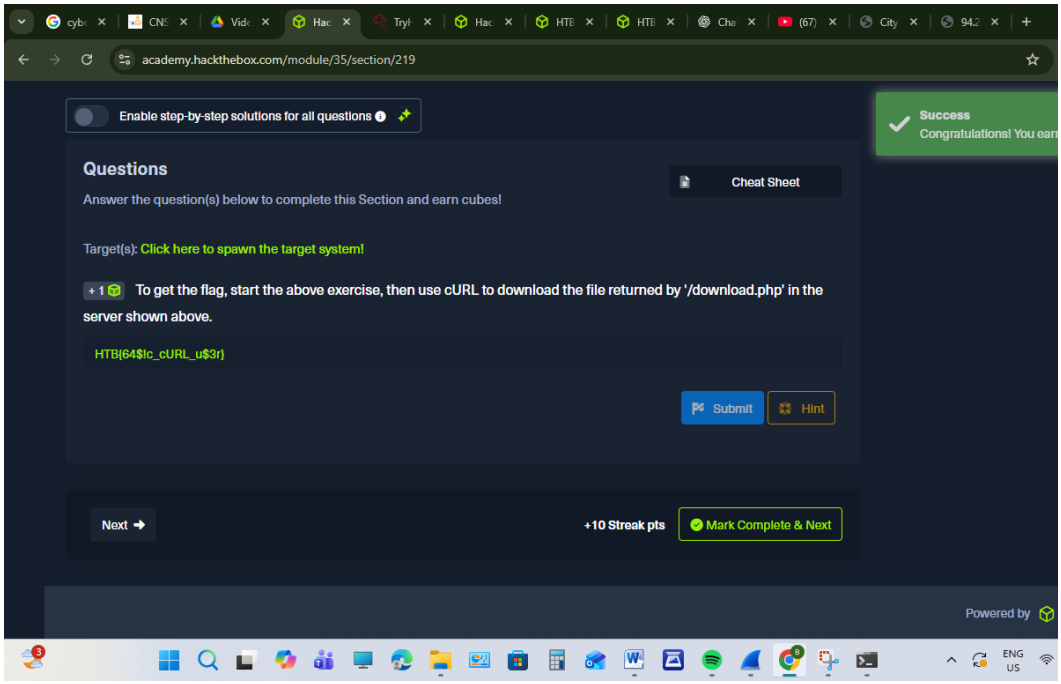
The objectives of the assignment were:

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

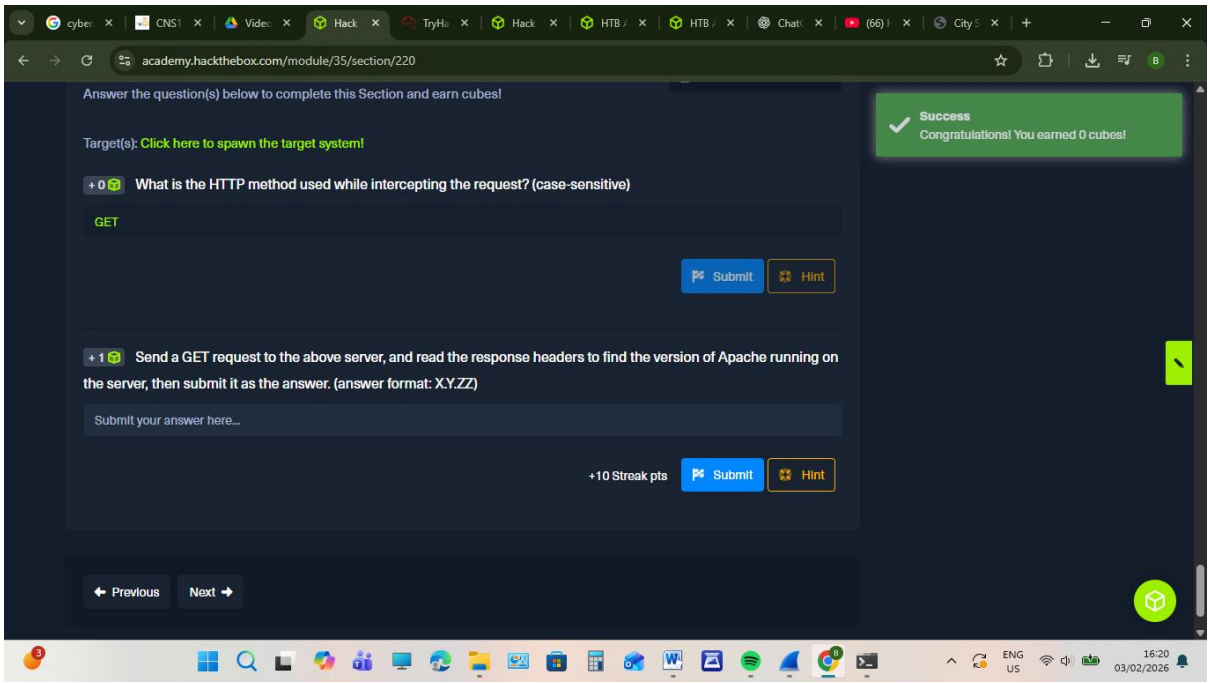
HTTP Fundamentals

1. Hyper Text Transfer Protocol (HTTP)





2.HTTP Requests and Responses



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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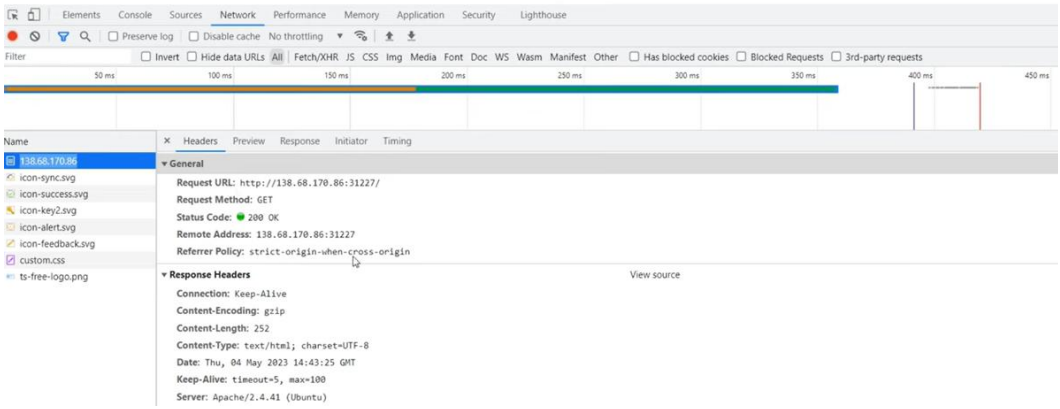
Using cURL should be enough.



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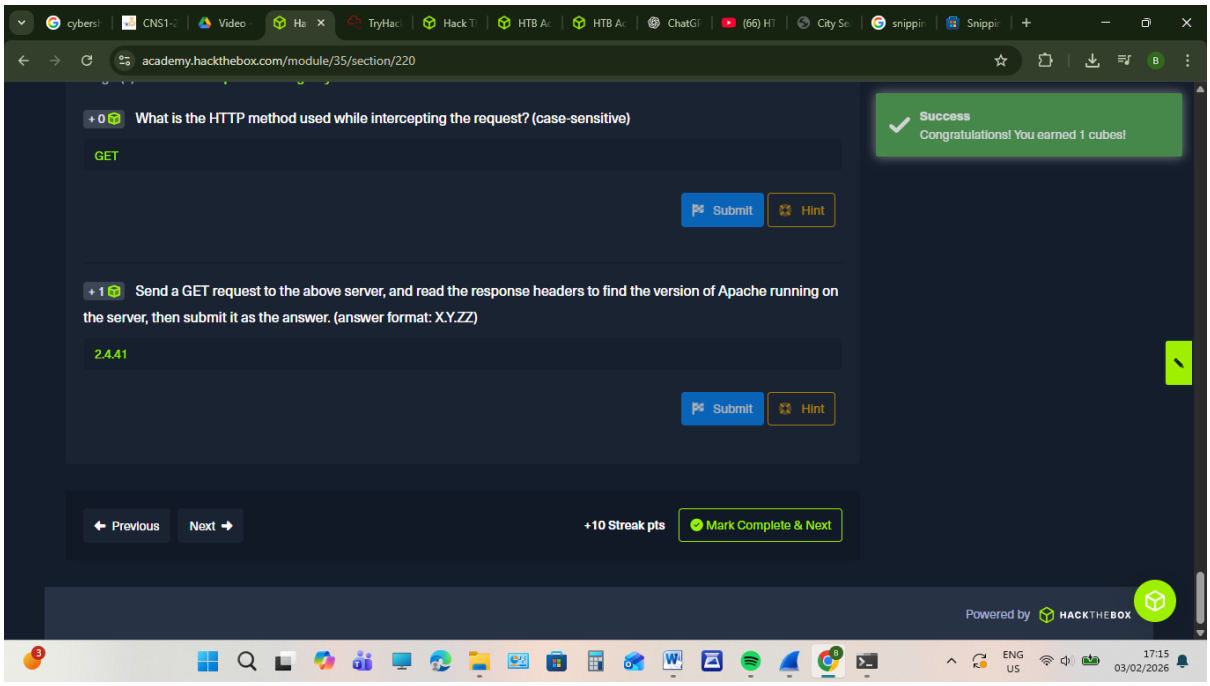
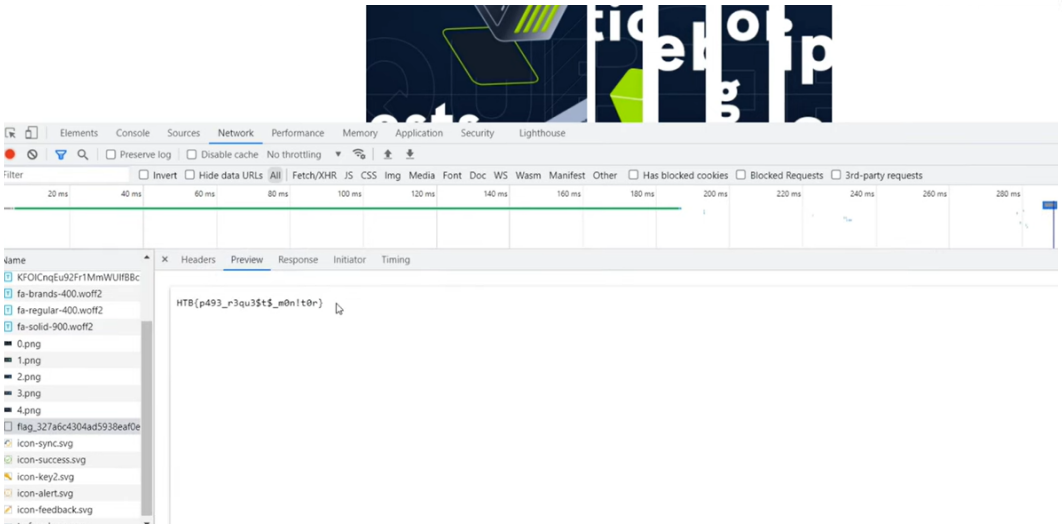
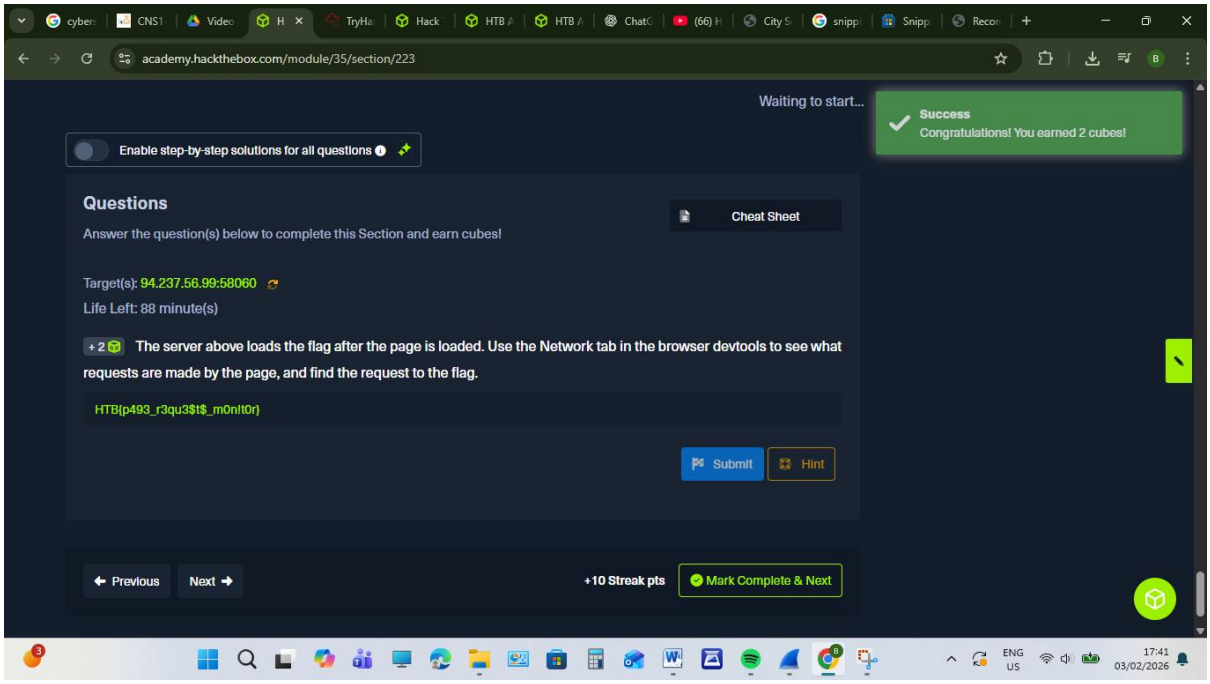


4. HTTP Headers

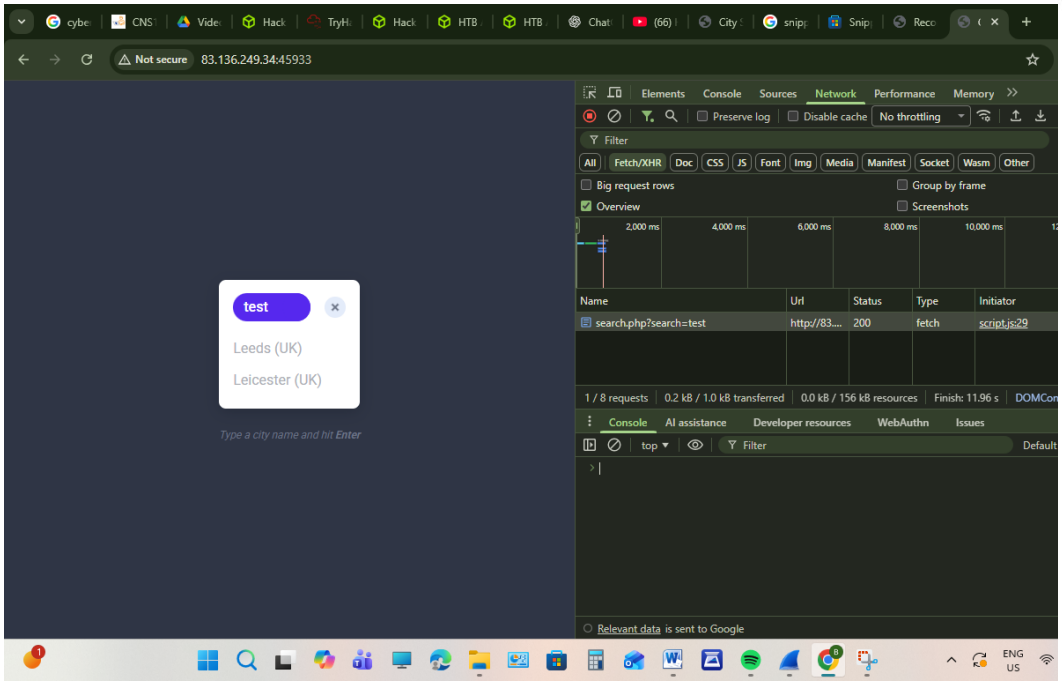


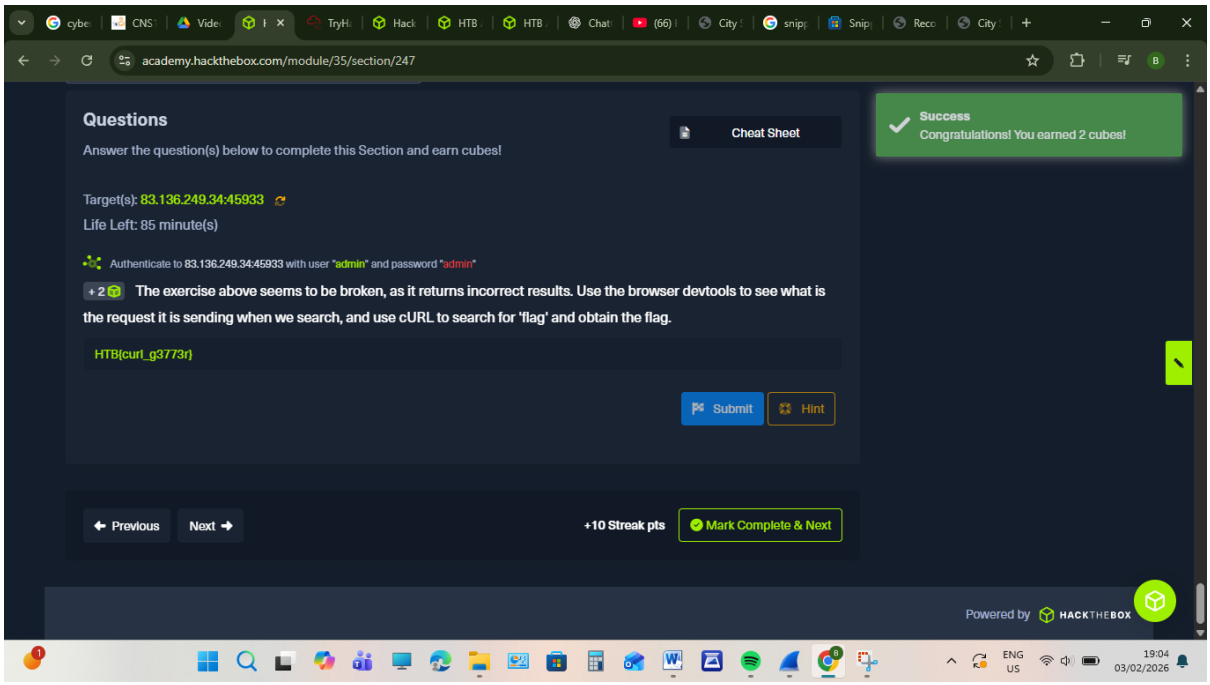


HTB{p493_r3qu3t_m0n!t0r}

HTTP Methods

1. HTTP methods and Codes





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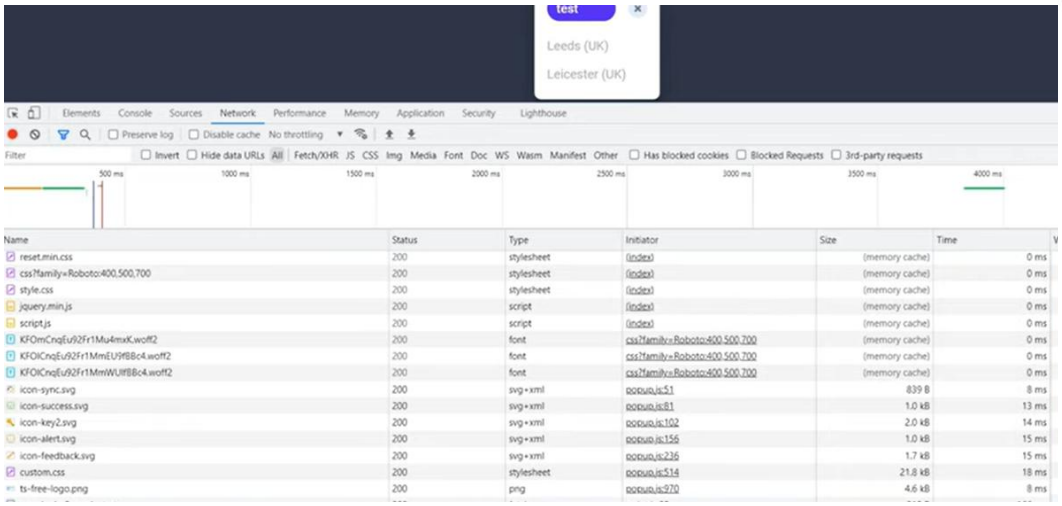
2. GET



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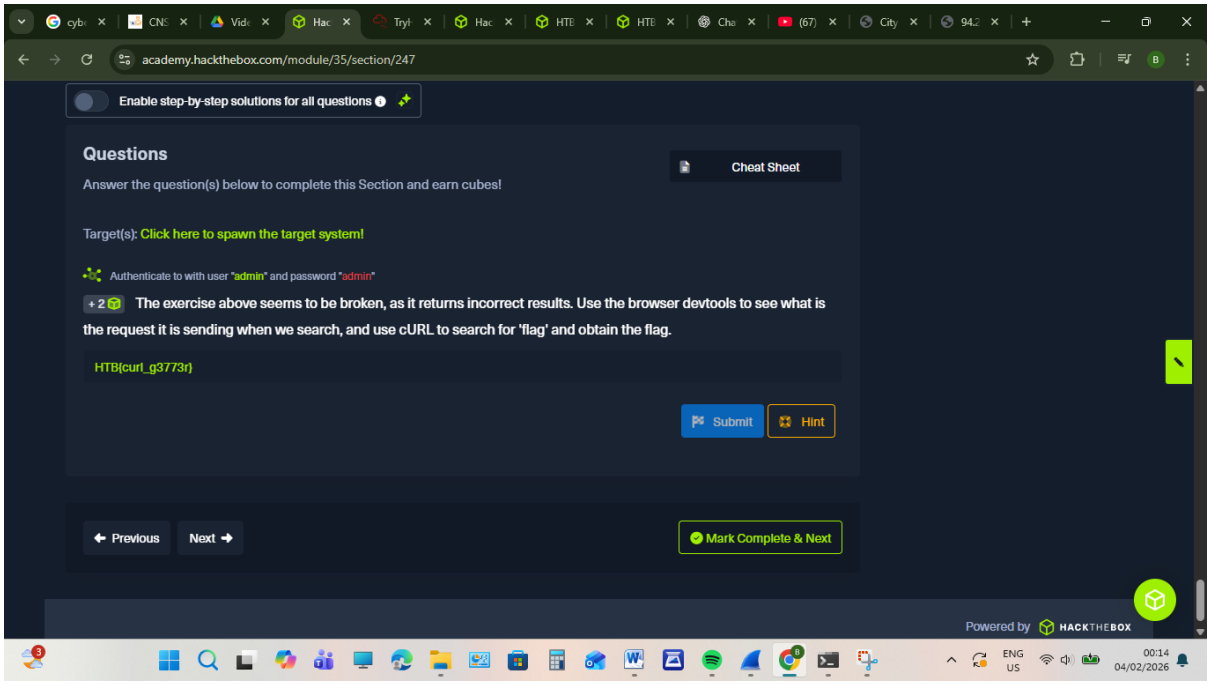
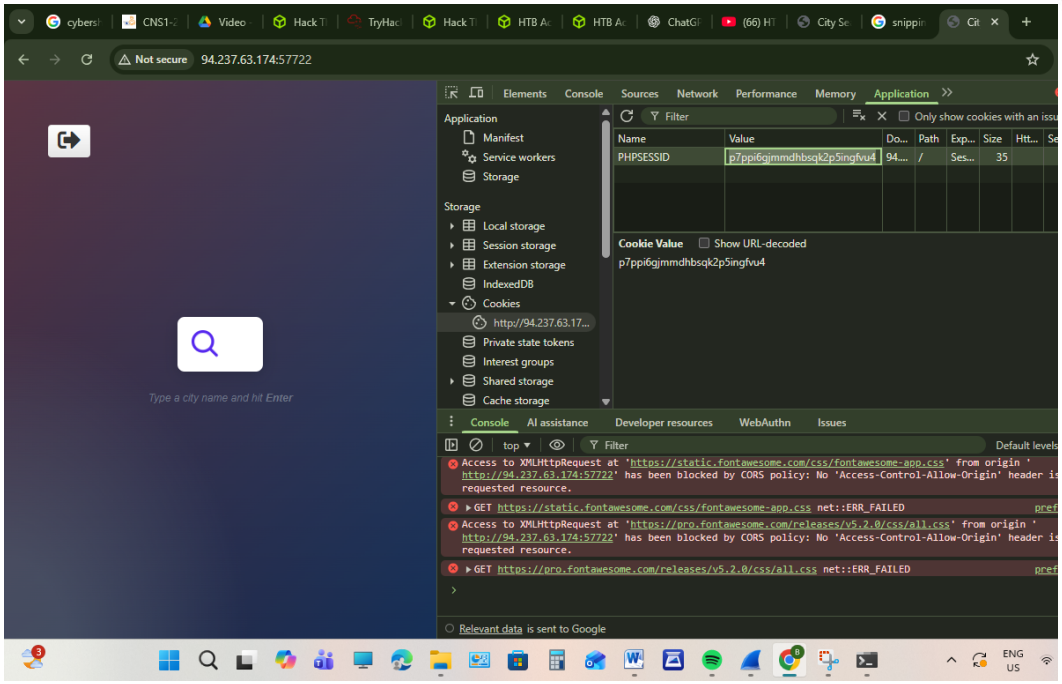
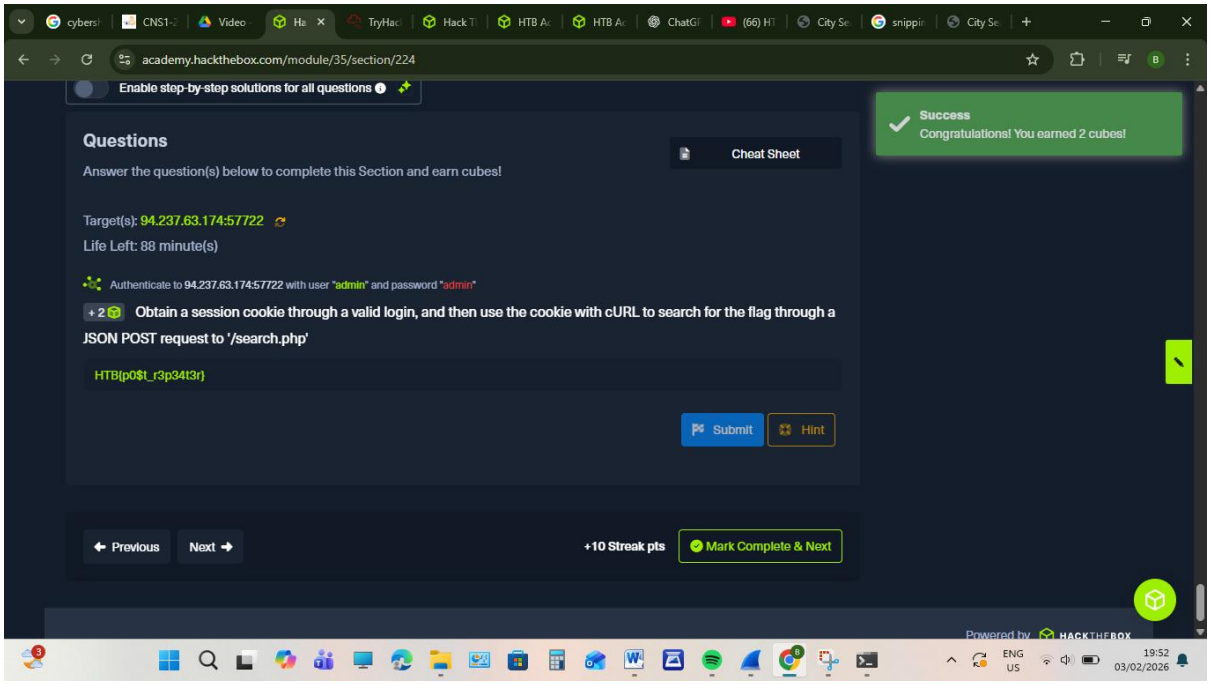


3. POST





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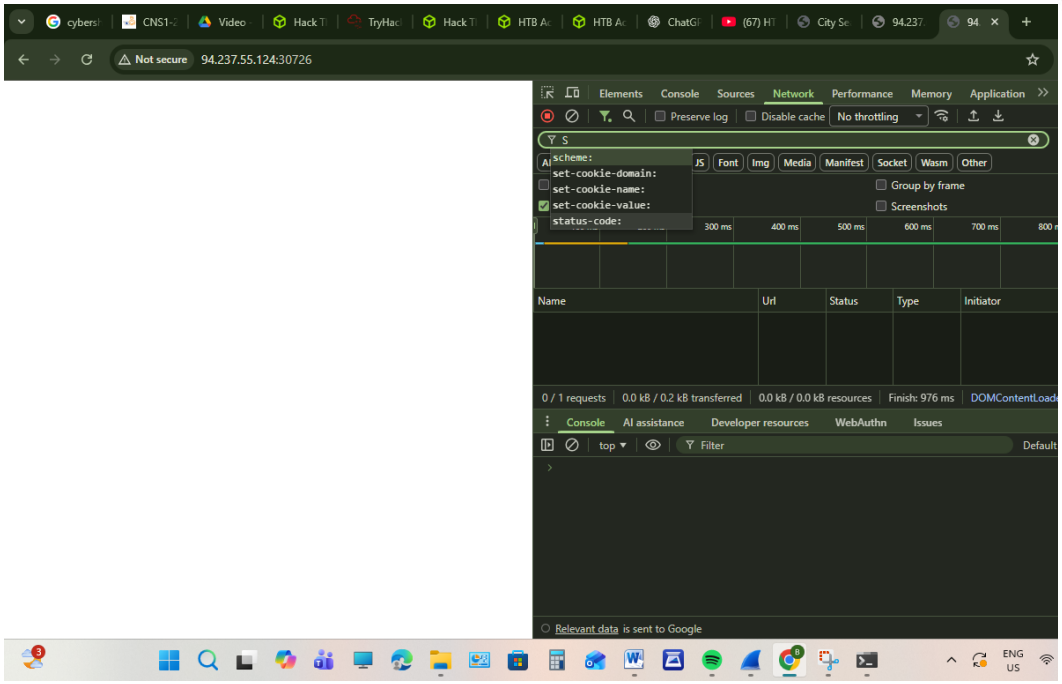
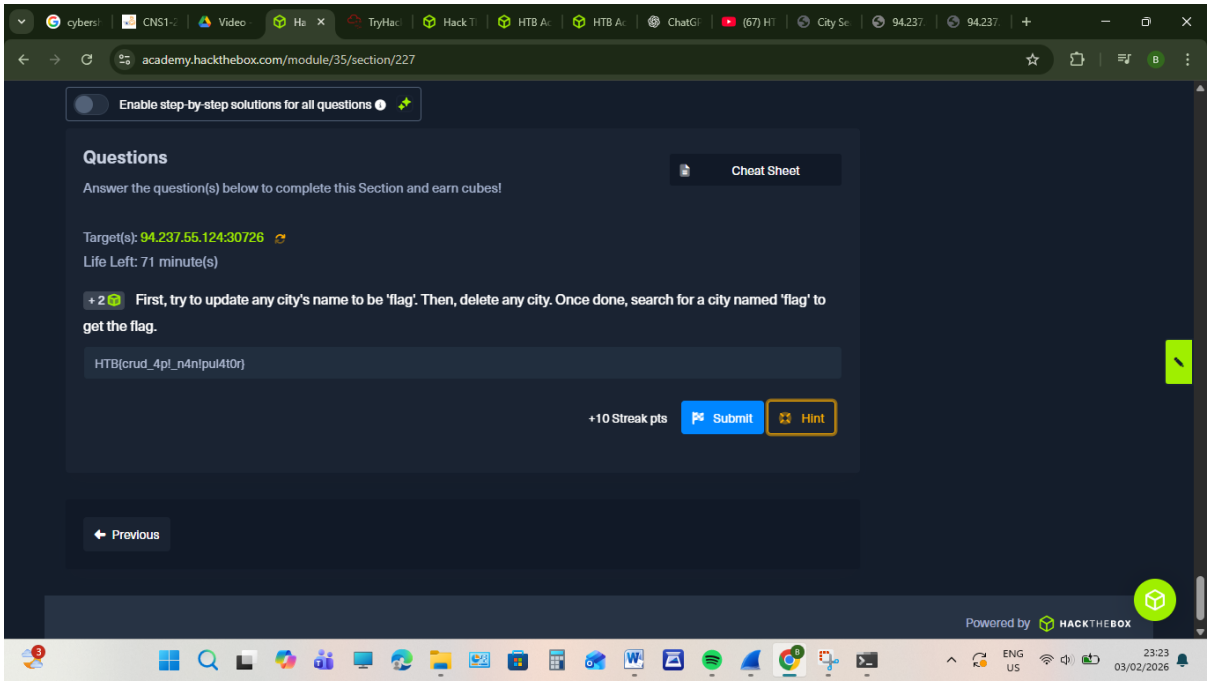
4. CRUD API





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.