Room 1: HTTP in Detail

Summary:

This room explores the HTTP technologies, which include: requests, responses, cookies, headers, and status codes.

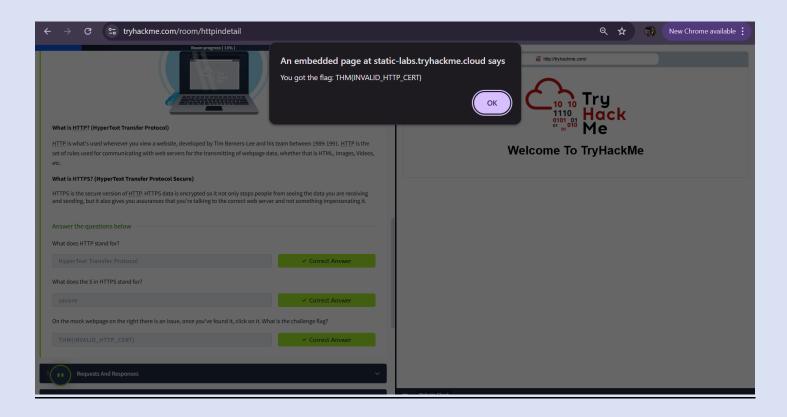
Objective:

• To practically make requests using HTTP

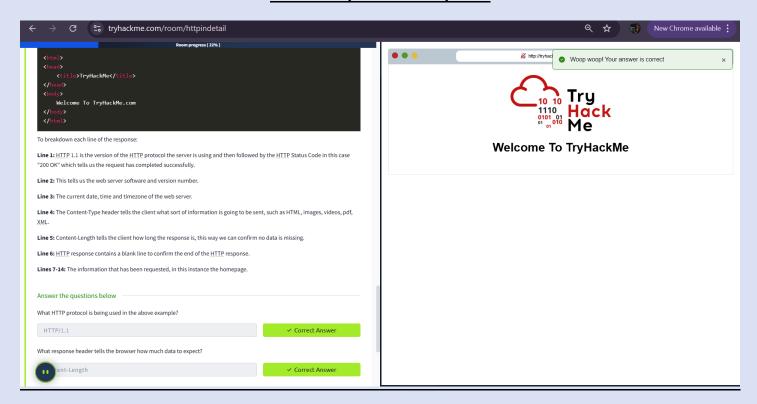
Tools Used:

• No tool(s) used

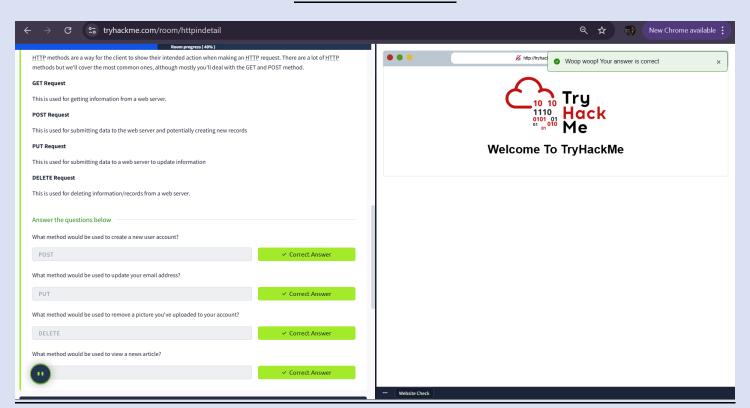
Task 1: What is HTTP(S)



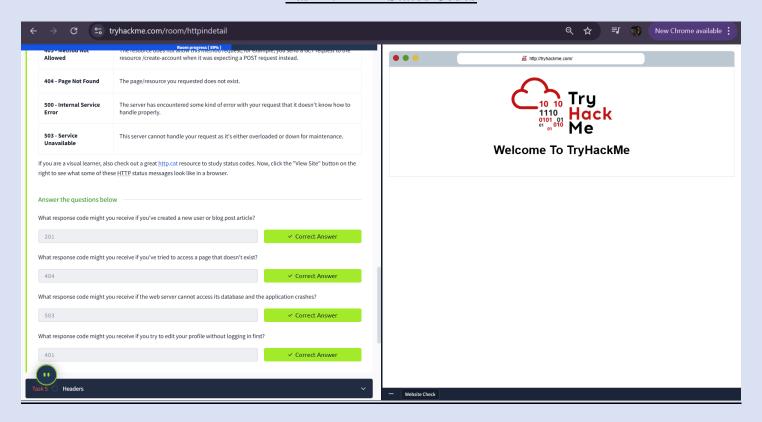
Task 2: Requests and Responses



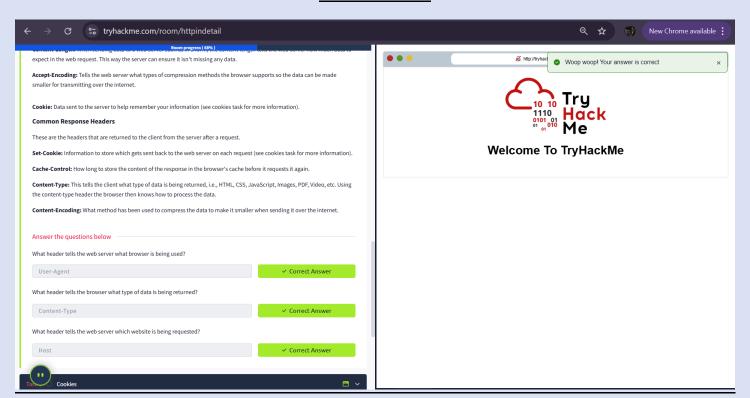
Task 3: HTTP Methods



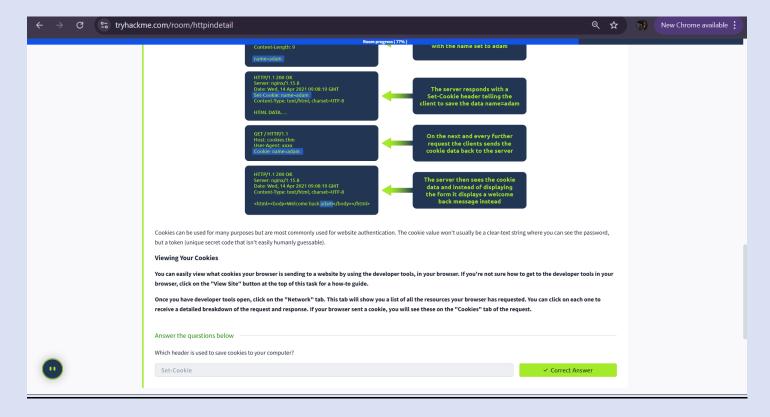
Task 4: HTTP Status Codes



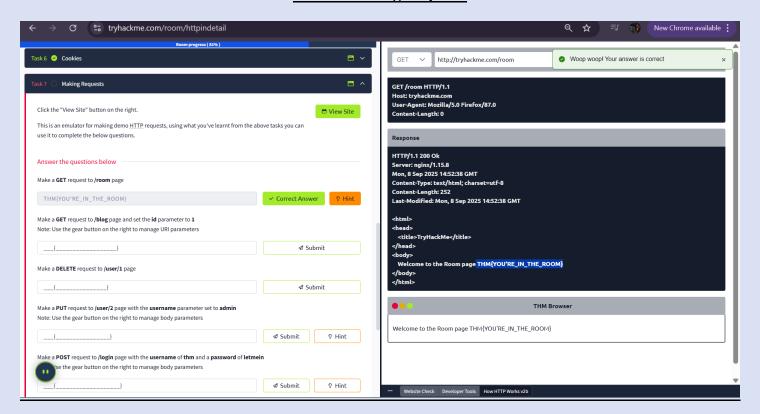
Task 5: Headers

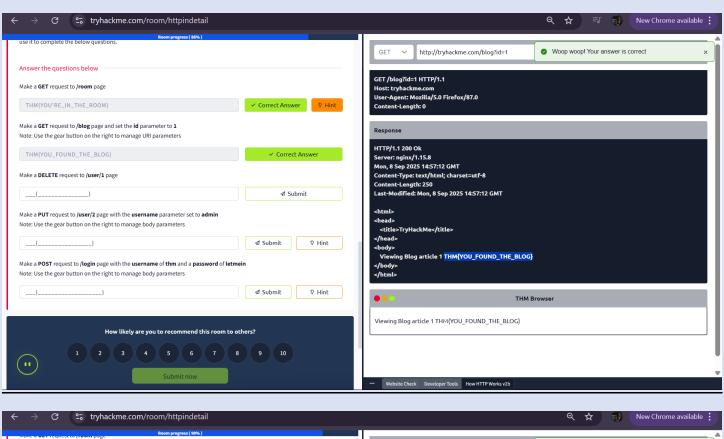


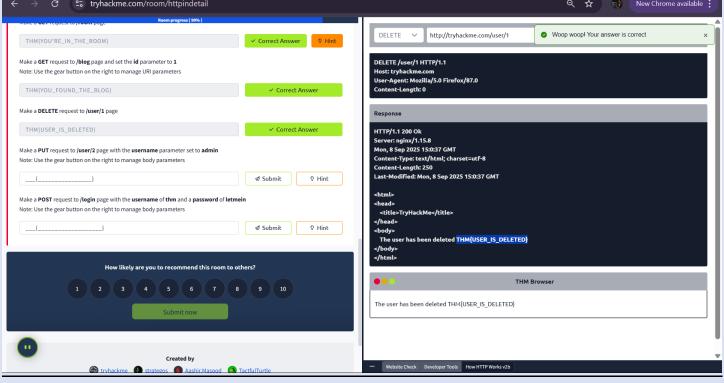
Task 6: Cookies

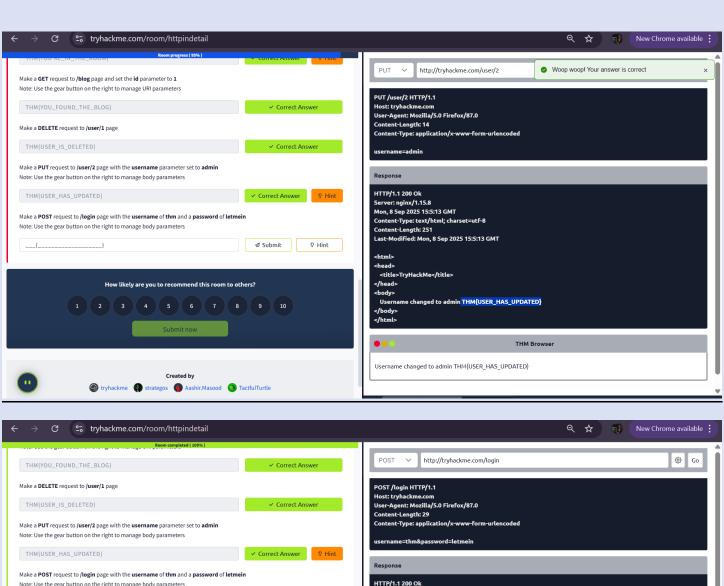


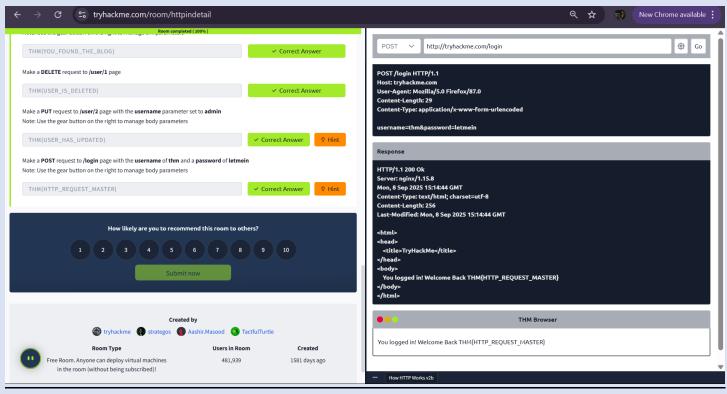
Task 5: Making Requests











- THM {INVALID_HTTP_CERT}
- THM {YOU_ARE_IN_THE_ROOM}
- THM {YOU_FOUND_THE_BLOG}
- THM {USER_IS_DELETED}
- THM {USER_HAS_UPDATED}
- THM {HTTP_REQUEST_MASTER}

Lessons Learned:

• I successfully made HTTP requests via a simulation.

Room 2: DNS in Detail

Summary:

This room explores the Domain System and its functionalities in web servers

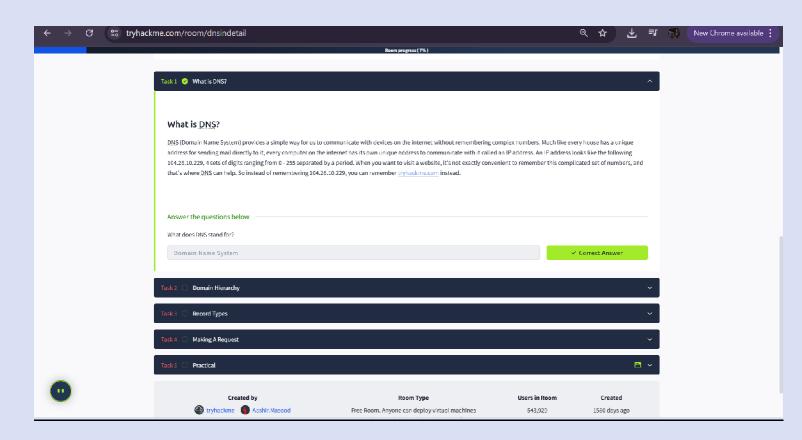
Objective:

- To dissect the Domain System and get to its core structures
- To explore the hierarchy of domains, record types, and how requests for domains are made

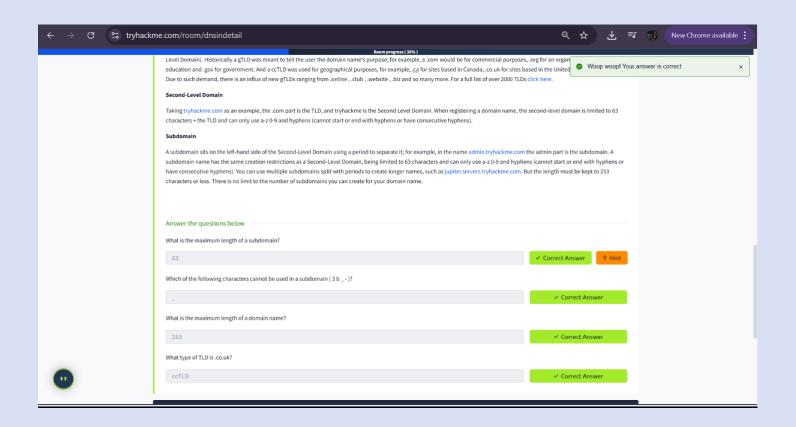
Tools Used:

nslookup

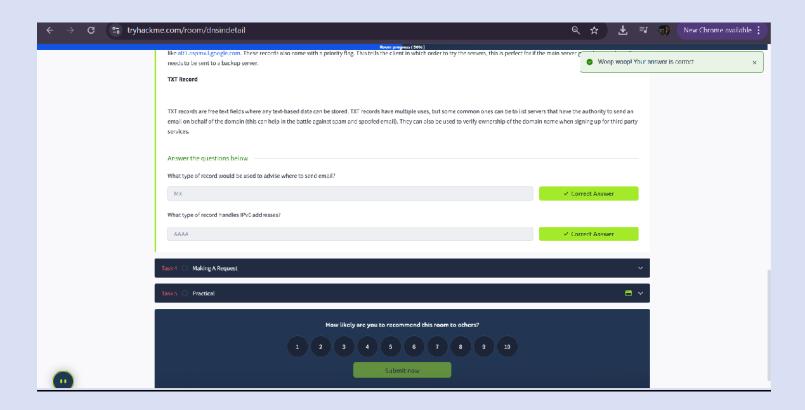
Task 1: What is DNS



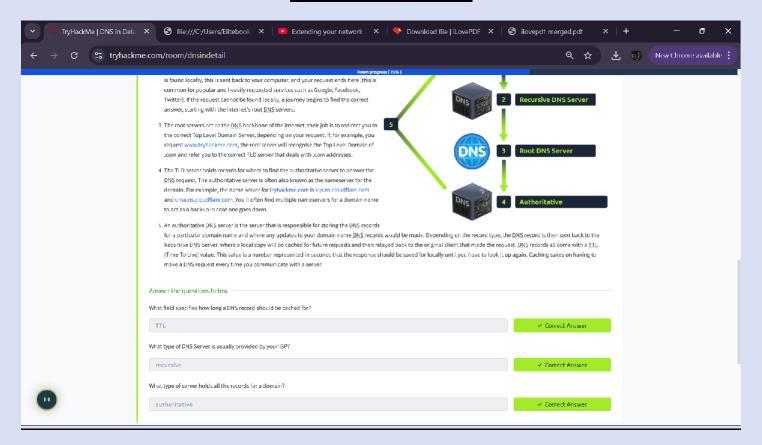
Task 2: Domain Hierarchy



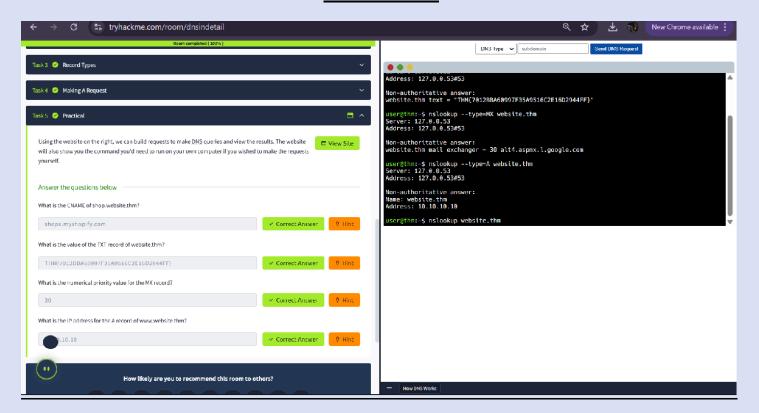
Task 3: Record Types



Task 4: Making A Request



Task 5: Practical



• THM {7012BBA60997F35A95162E16D2944FF}

Lessons Learned:

• I successfully used the nslookup command to explore DNS CNAME and record types, via a simulation

Room 3: How Websites Work

Summary:

This room explores the functionality of websites and their risk of security breaches

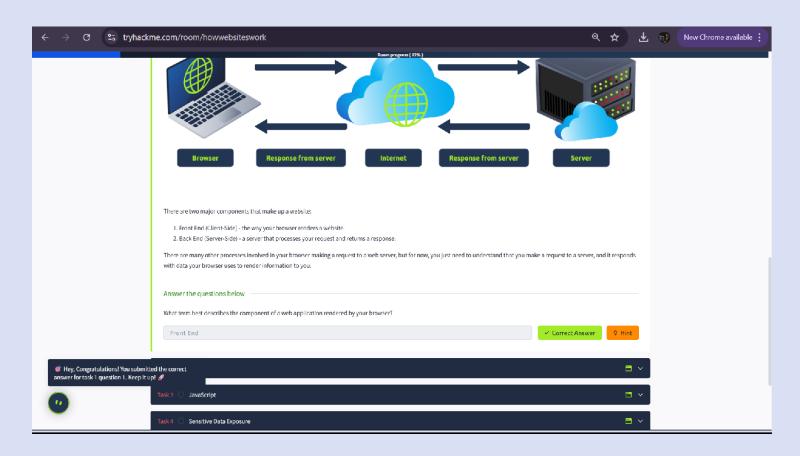
Objective:

To understand how websites are created and their vulnerabilities that could lead to potential security risks

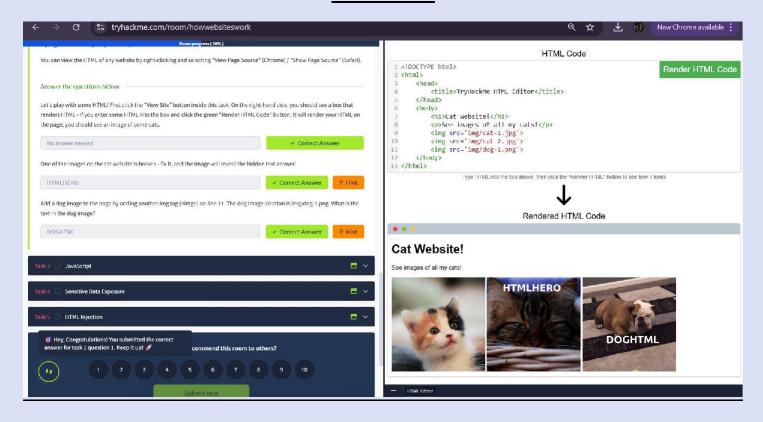
Tools Used:

• No tool(s) used

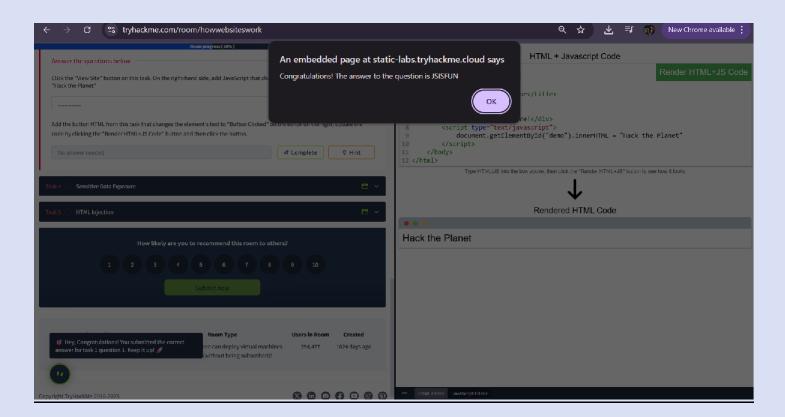
Task 1: How Websites Work

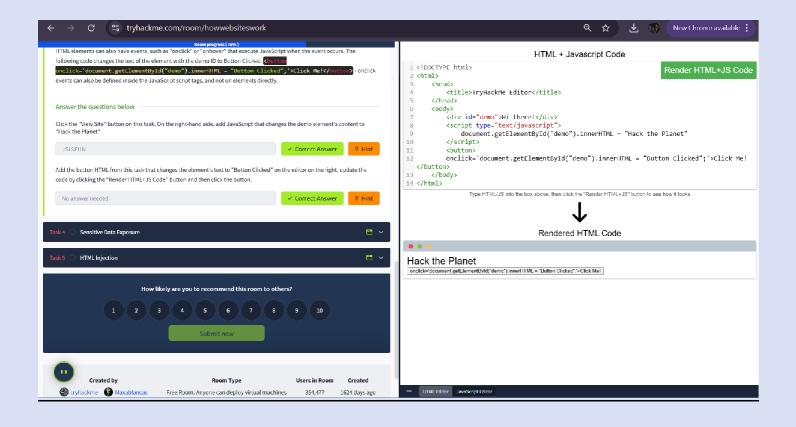


Task 2: HTML



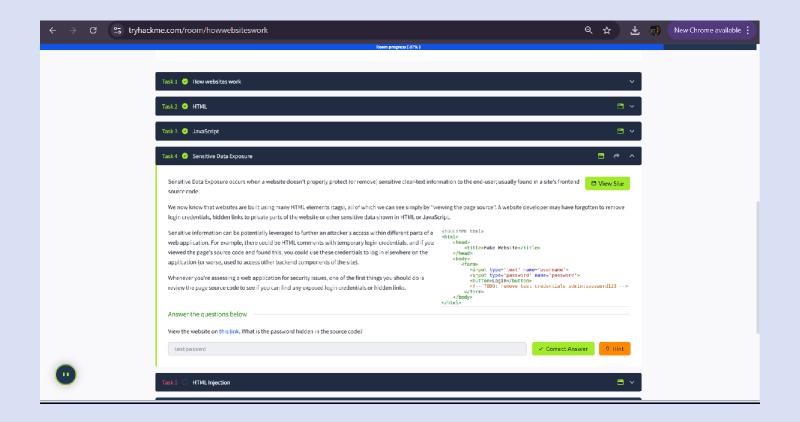
Task 3: JavaScript



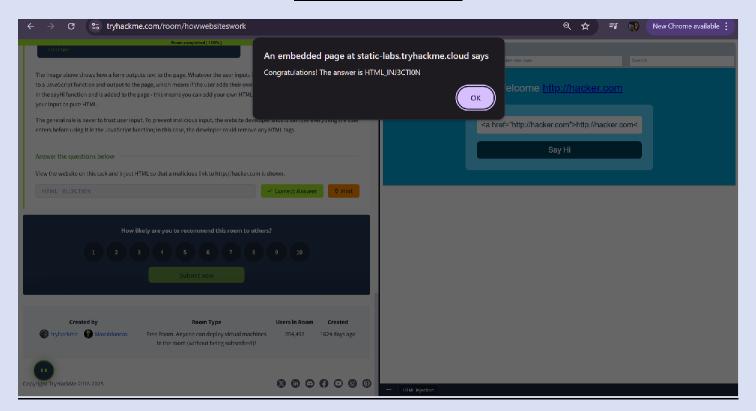


Task 4: Sensitive Data Exposure

```
🖈 赴 📆 New Chrome available 🚦
                                            © view-source:https://static-labs.tryhackme.cloud/sites/howwebsiteswork/html data exposure/
Line wrap
                  <!DOCTYPE html>
                    <head>
                                <title>How websites work</title>
link rel="stylesheet" href="css/style.css"></link>
                     <body>
                                 </div>
<div class='form
                                                                                             <input class="input-text" type="password" name="password" placeholder="Password..">
                                                                               <br/>
<
                                                              <div class="footer">Copyright A@ Vulnerable Website</div>
                                                </div>
                                <script src='js/script.js'></script>
                    </html>
```



Task 5: HTML Injection



• No flag(s) found

Lessons Learned:

• I learned how HTML and JavaScript are interlinked in a website's backend and how one can manipulate the front end with an HTML injection, in the case of unfiltered user input

Room 4: Putting It All Together

Summary:

This room summarizes the web server's functionalities and network components

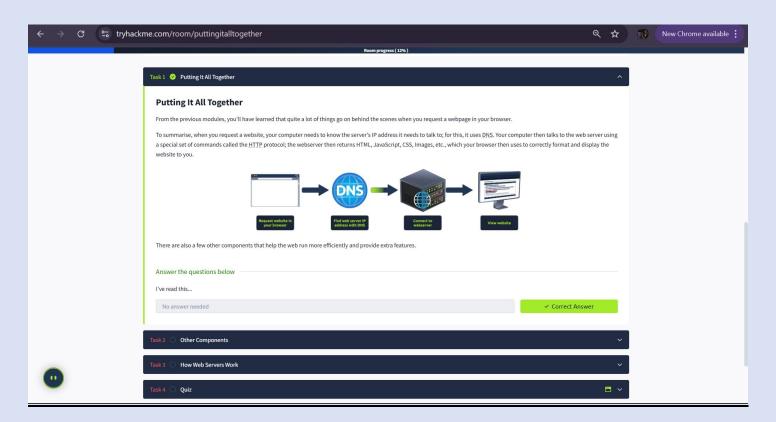
Objective:

• To simulate the whole structure of web services

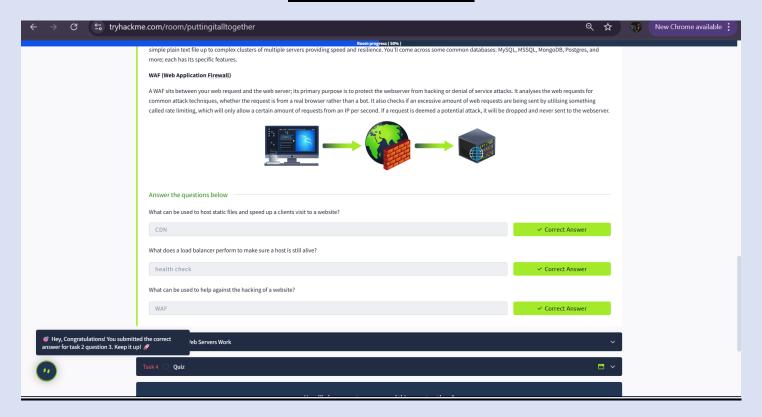
Tools Used:

No tool(s) used

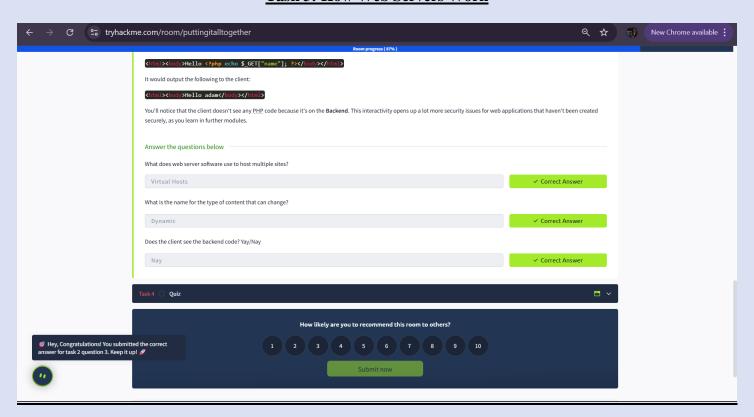
Task 1: Putting it All Together



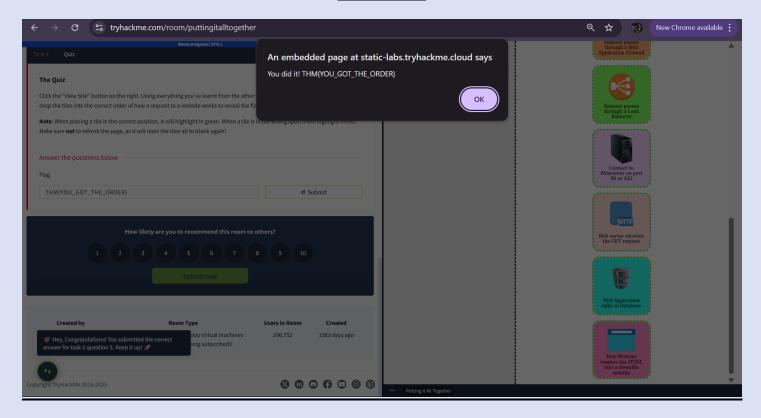
Task 2: Other Components



Task 3: How Web Servers Work



Task 4: Quiz



THM{YOU_GOT_THE_ORDER}

Lessons Learned:

• I successfully outlined the structure of a web service.