Cybersecurity

Module 15 Challenge Submission File

Testing Web Applications for Vulnerabilities

Make a copy of this document to work in, and then respond to each question below the prompt. Save and submit this completed file as your Challenge deliverable.

Web Application 1: *Your Wish is My Command Injection*

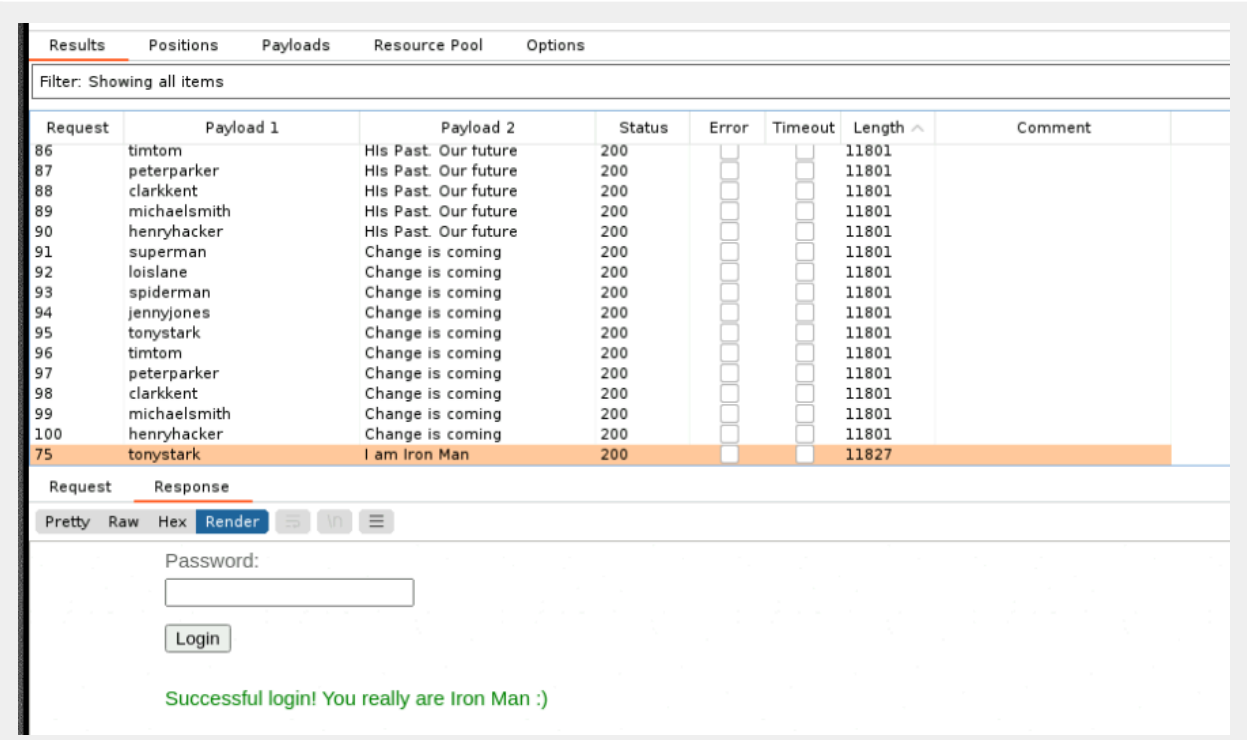
Provide a screenshot confirming that you successfully completed this exploit:

Write two or three sentences outlining mitigation strategies for this vulnerability:

```
The best way to combat this would be to only allow numbers, in the format of
an IP address. In other words, force input-validation so a user could not
exploit the site in this way.
```

Web Application 2: *A Brute Force to Be Reckoned With*

Provide a screenshot confirming that you successfully completed this exploit:

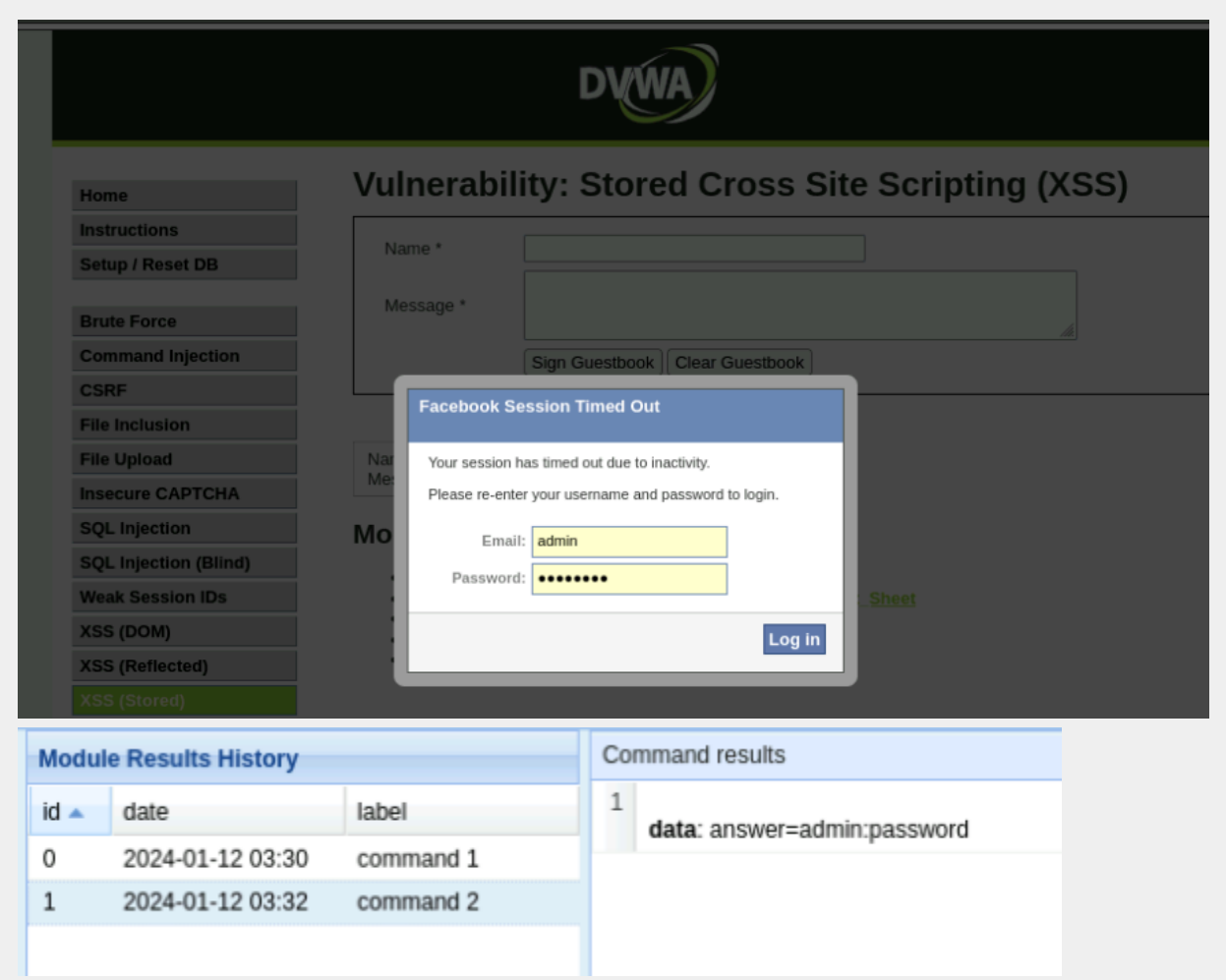


Write two or three sentences outlining mitigation strategies for this vulnerability:

```
If the data breach was indeed “years ago” update your password policies.
Require users/admins to change passwords after a set amount of time,
especially if a data breach is known about.
```

Web Application 3: *Where's the BeEF?*

Provide a screenshot confirming that you successfully completed this exploit:



Write two or three sentences outlining mitigation strategies for this vulnerability:

The browser developer would need to include the “HttpOnly” attribute on the cookies. This way code, like JavaScript, would not be able to interact with users’ sessions.