



# Cybersecurity

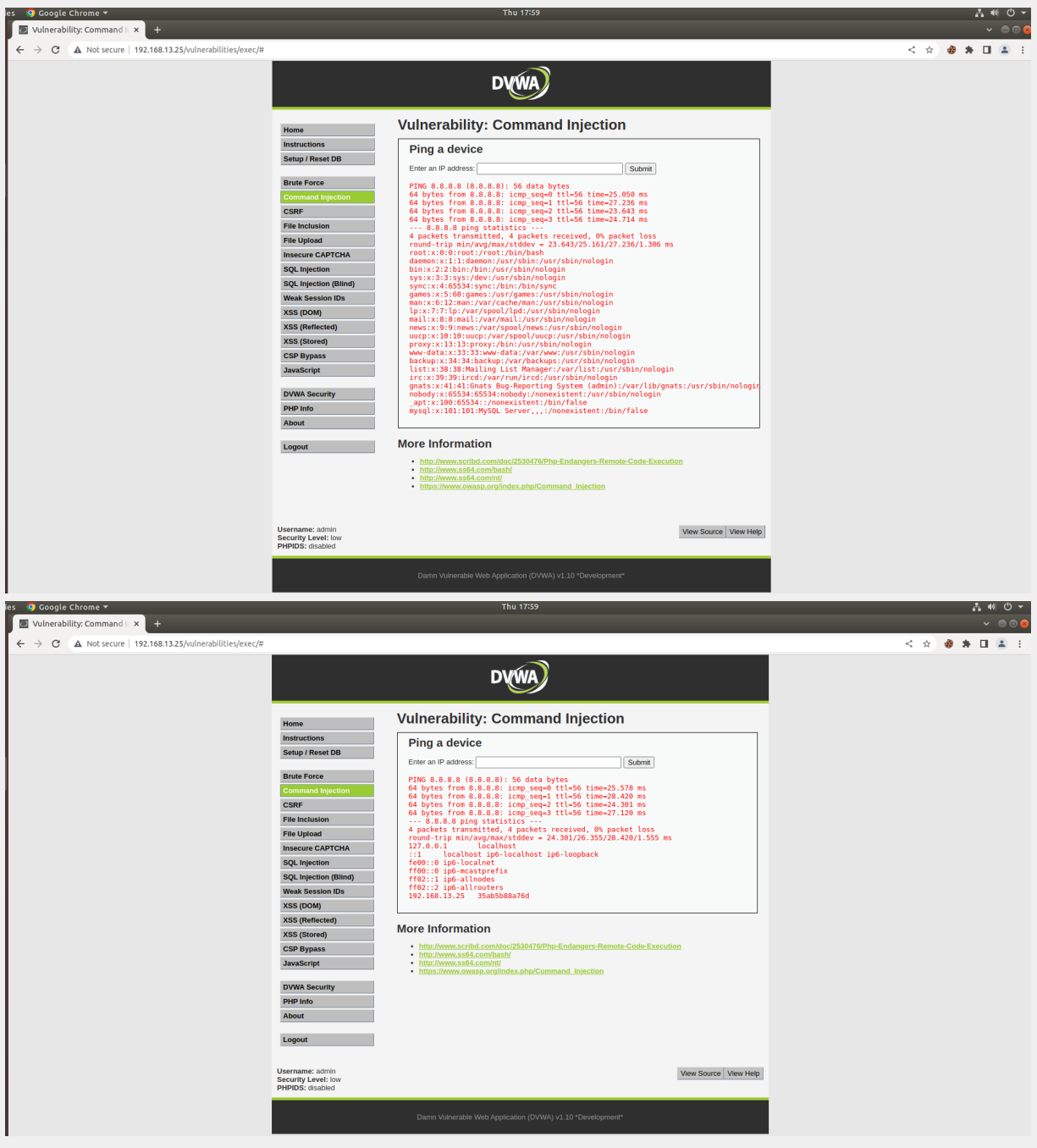
## Module 15 Challenge Submission File

### 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:

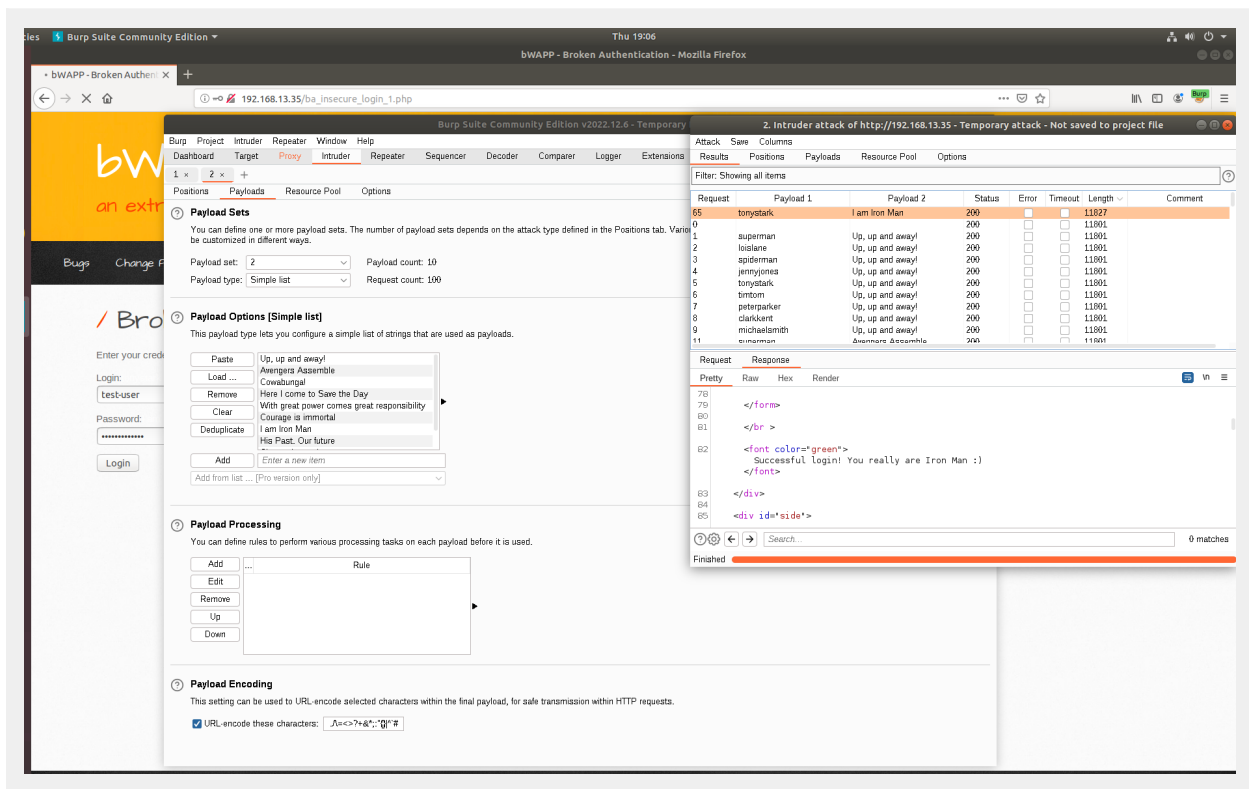


Write two or three sentences outlining mitigation strategies for this vulnerability:

To better protect against command injection you could segregate confidential files from the web facing server. You could also require validation that would deny access to select unintended files.

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

Provide a screenshot confirming that you successfully completed this exploit:

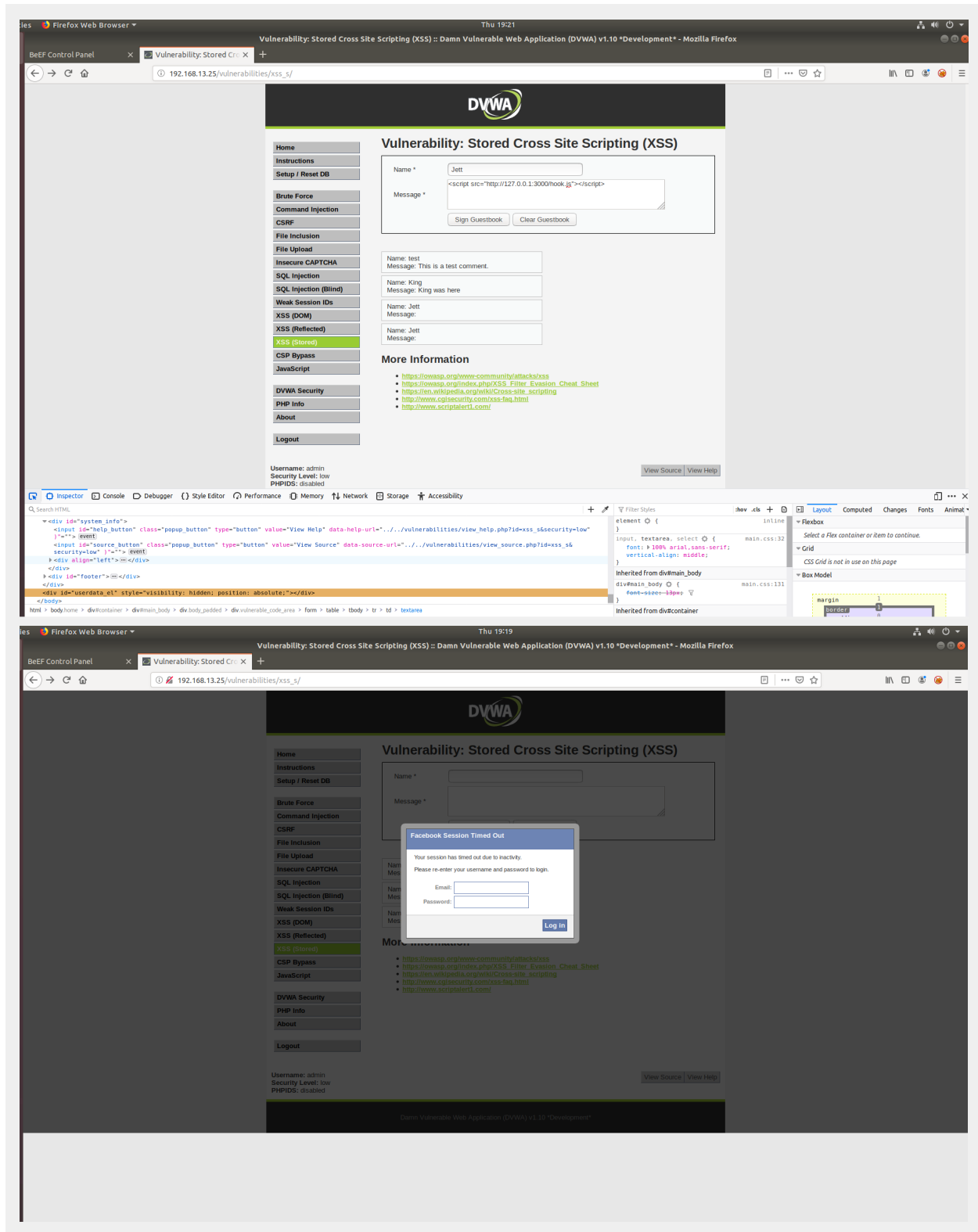


Write two or three sentences outlining mitigation strategies for this vulnerability:

A good mitigation strategy would be to require stronger usernames and passwords, and setting up an expiration on passwords. Also setting up multi-factor authentication and enabling account lockouts after a certain number of attempts.

## 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:

Mandatory validation of input data to make sure that only allowed data is sent. And also making sure that all variable output in a page is encoded before it is returned to the user.