Week 5 — Ethical Hacking & Exploitation (Final Report)

Intern: Syeda Bushra Hamdani Repo: https://github.com/SyedaBushra914/Cyber-Security-Internship-Week-04-6

Executive Summary

Performed safe exploitation on test app; identified SQLi and CSRF, applied fixes.

SQL Injection

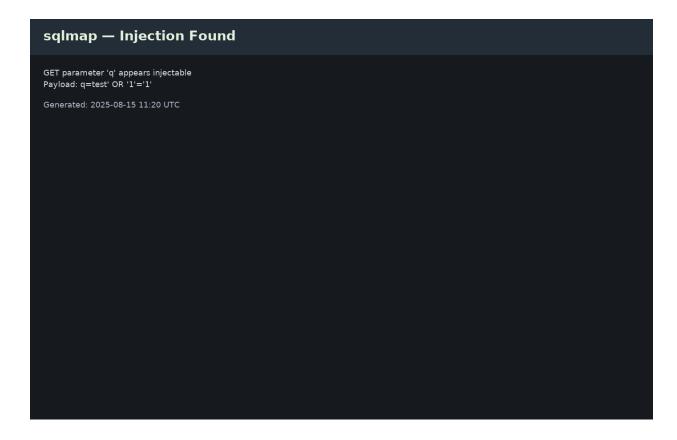
Demonstrated injectable parameter 'q' on /vulnerable using SQLMap; fixed with parameterized queries in /fixed.

CSRF Testing

Implemented csurf middleware; verified missing token causes 403 using Burp Suite.

Remediation

Applied prepared statements and CSRF tokens; added documentation and tests.



Burp Suite — CSRF Test	
POST /submit without CSRF token -> 403 Forbidden Intercepted request shows missing token header	
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