Web Application Vulnerability Assessment Report

Tools Used: Burp Suite Community Edition
Target Application: DVWA (Damn Vulnerable Web Application)

1. SQL Injection

The application was found vulnerable to SQL Injection. Malicious SQL queries were injected through input fields, allowing unauthorized access to database information.
Impact: Data leakage and authentication bypass.
Mitigation: Use prepared statements and input validation.

2. Cross-Site Scripting (XSS)

Reflected XSS was identified where user input was rendered without proper sanitization, allowing execution of malicious scripts.
Impact: Session hijacking and defacement.
Mitigation: Encode user input and apply Content Security Policy.

Conclusion

The assessment revealed critical vulnerabilities that could be exploited by attackers. Implementing secure coding practices and regular security testing is recommended.