DATE: 13TH January 2023

NAME: DHAVALKUMAR VIJAYKYMAR PATEL

CLASS: M.Sc. CS SEM-1

ENROLLMENT NO: 032200300002034

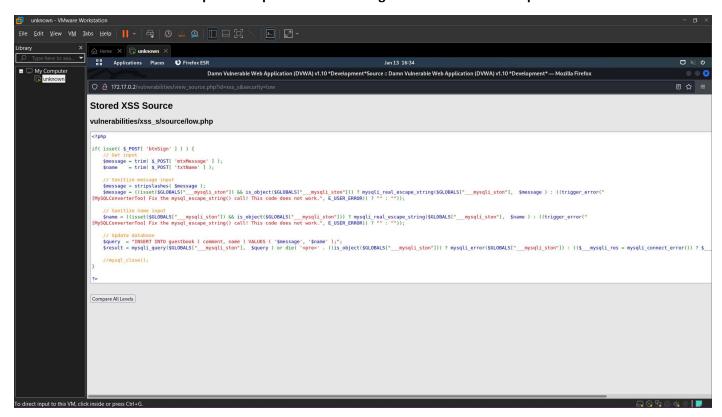
QUESTION / PROBLEM: TO PERFORM CROSS-SITE SCRIPTING IN DVWA IN HIGH , LOW MEDIUM SECURITY CONTROLL.

Cross site scripting is a type of injection in which attacker inject a malicious script into the benign and trusted website. It accrues when attacker uses a web application to send malicious code in the form of a browser side script to a different user. Cross site scripting is a common vulnerability found in a web application.

Stored XSS is the most dangerous cross-site scripting vulnerability. This type of vulnerability arises whenever a web application stores user-supplied data for later use in the backend without performing any filter or input sanitization. Since the web application does not apply any filter therefore an attacker can inject some malicious code into this input field. This malicious code can also be a valid XSS payload. So whenever any person visits the vulnerable page where malicious code is injected he will get a popup on his browser window. This will prove that the given webpage is vulnerable to Stored XSS vulnerability.

SECURITY LEVEL: LOW

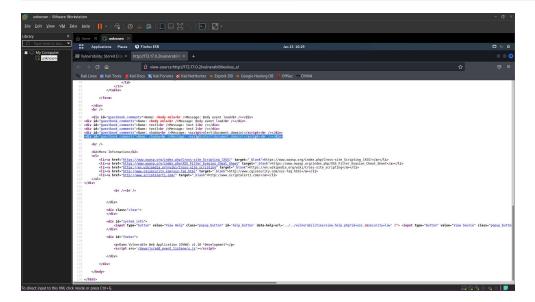
Low level will not check the requested input before including it to be used in the output text.

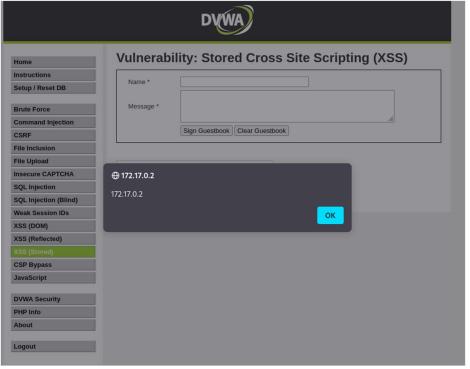


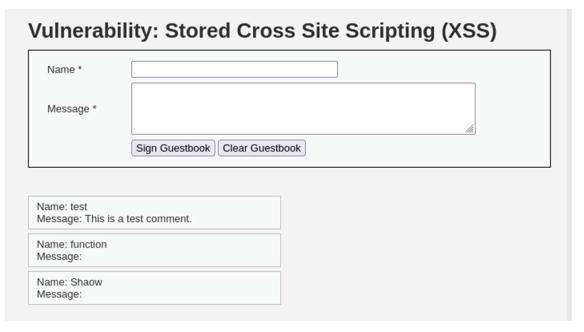
Name: test

Message: This is a test comment.

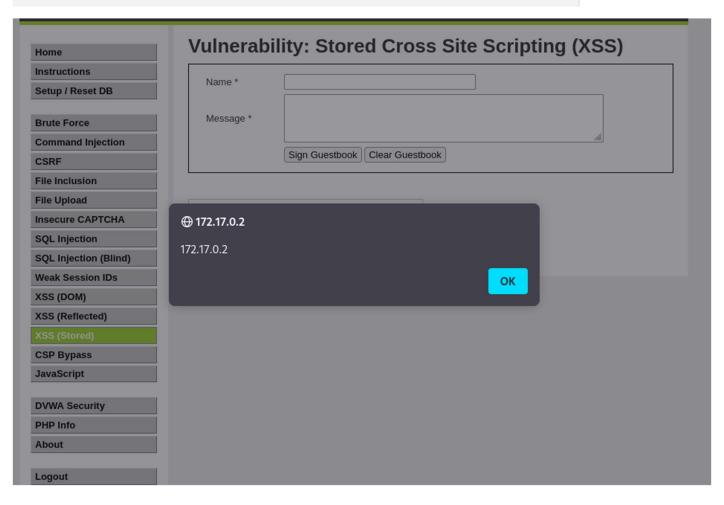
Vulnerability: Stored Cross Site Scripting (XSS) Name * Shaow | Script>alert(document.domain)</script> | Sign Guestbook | Clear Guestboo







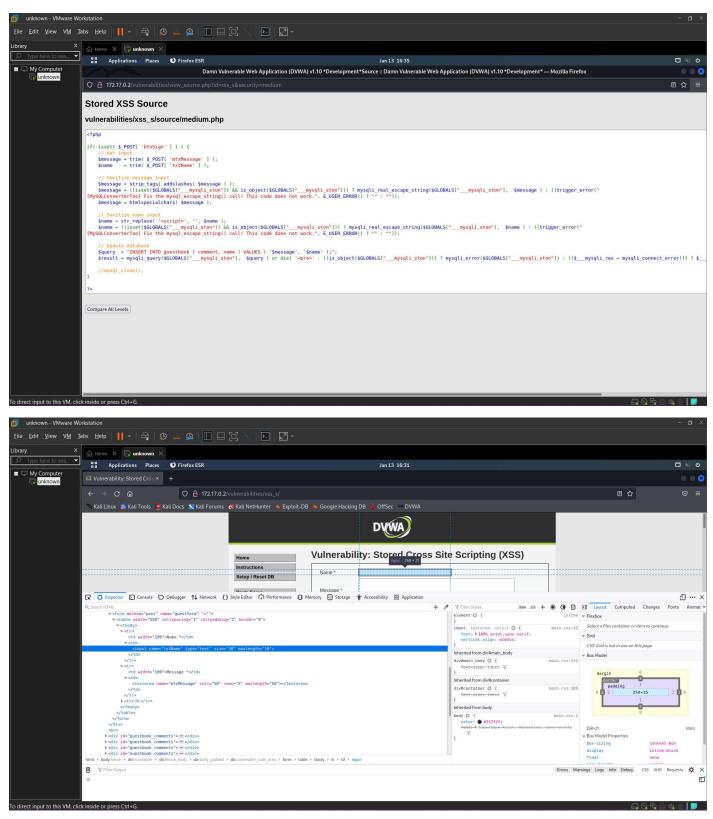




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SECURITY LEVEL: Medium

The developer had added some protection, however hasn't done every field the same way.

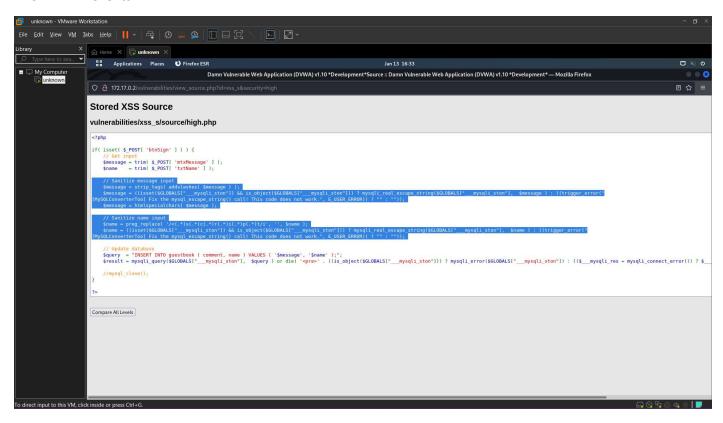


Vulnerability: Stored Cross Site Scripting (XSS) Name * <img src=x Shadow Sign Guestbook Clear Guestbook

| Name * | | |
|-----------|--------------------------------|-----------|
| Message * | | |
| | Sign Guestbook Clear Guestbook | <u>/k</u> |

SECURITY LEVEL: High

Allow HTML events



<body onload=alert("bingo")>

