Damn Vulnerable Web Application (DVWA)

Cross Site Scripting (XSS)

Description:

A server is vulnerable to cross shell scripting which occurs when a malicious hacker is able to introduce undesired commands into legitimate client side code executed by a browser. Types of cross shell scripting are: reflected xss, stored xss and dom based xss.

Solution :

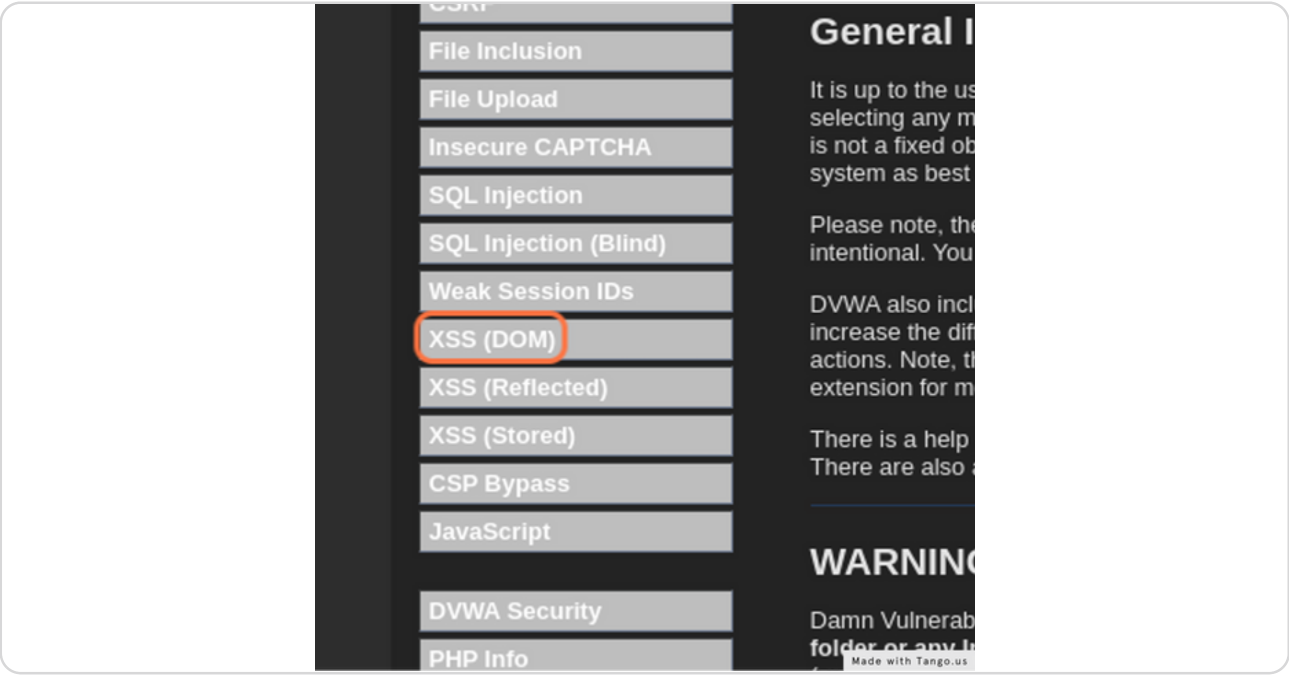
Validation and sanitization of user input
Filtering and escaping

Occurrence

DOM Based XSS

STEP 1

Click on XSS (DOM)



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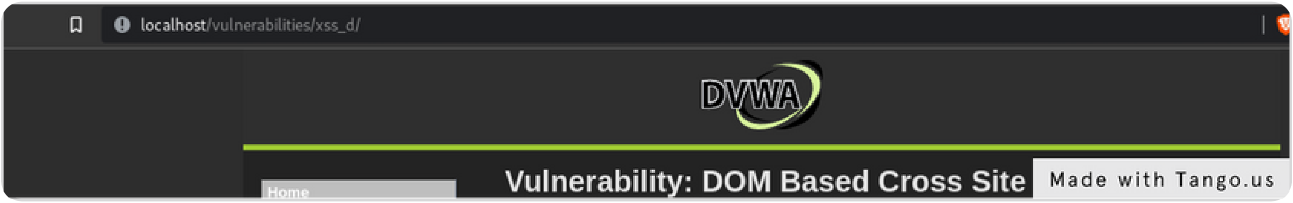
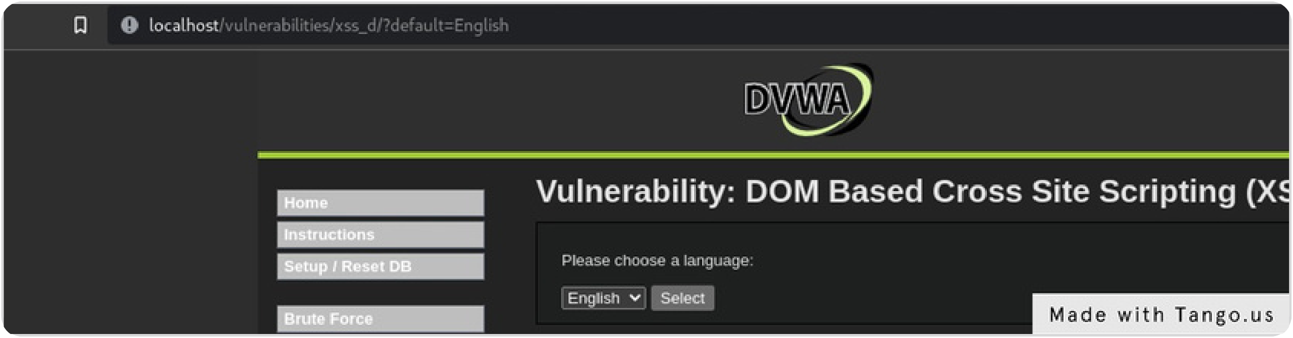
STEP 2



Vulnerability: DOM Based Cross Site



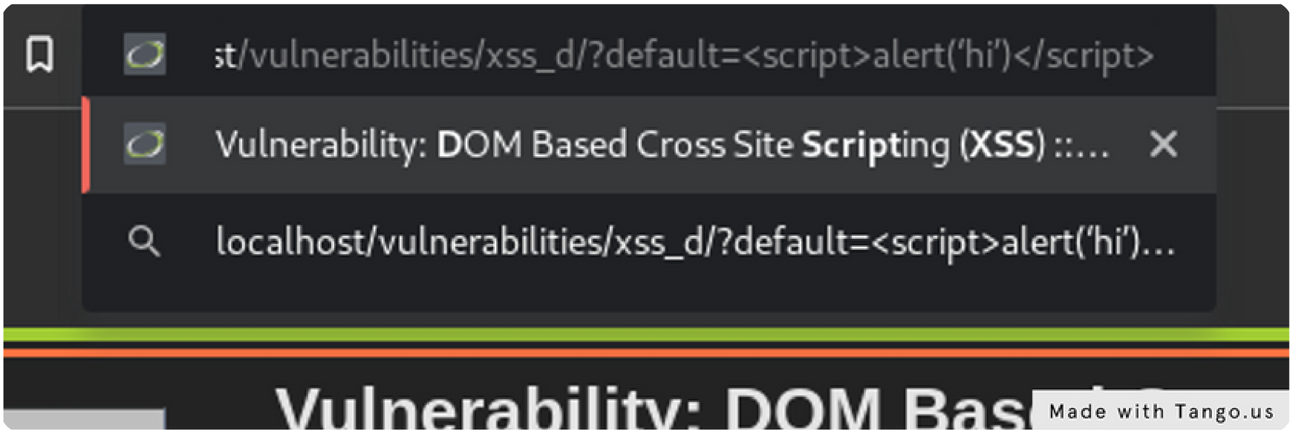
localhost/vulnerabilities/xss_d/?default=English

Vulnerability: DOM Based Cross Site Scripting (XS

Please choose a language:

English Select

Change url to localhost/vulnerability/xss_d/?default=<script>alert(‘xss hacking’)</script>



st/vulnerabilities/xss_d/?default=<script>alert(‘hi’)</script>

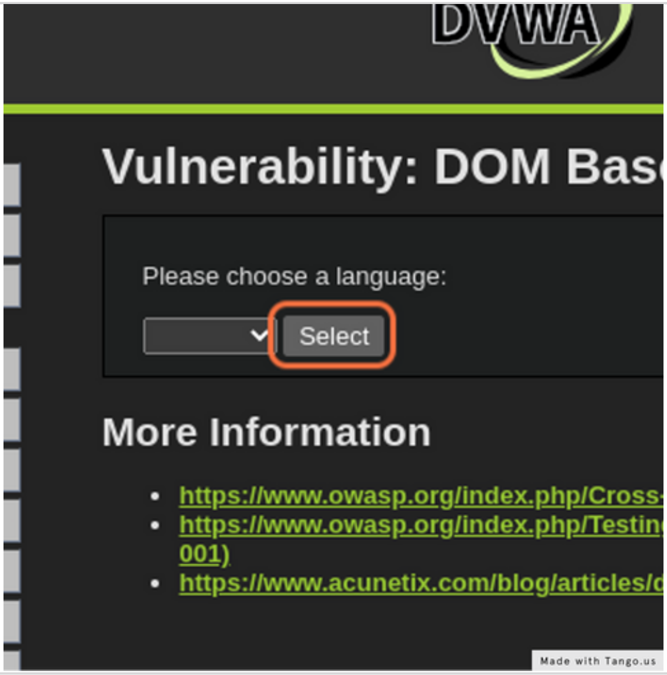
Vulnerability: DOM Based Cross Site Scripting (XSS) ::...

localhost/vulnerabilities/xss_d/?default=<script>alert(‘hi’)...

Vulnerability: DOM Bas

STEP 3

Click on Select



DVWA

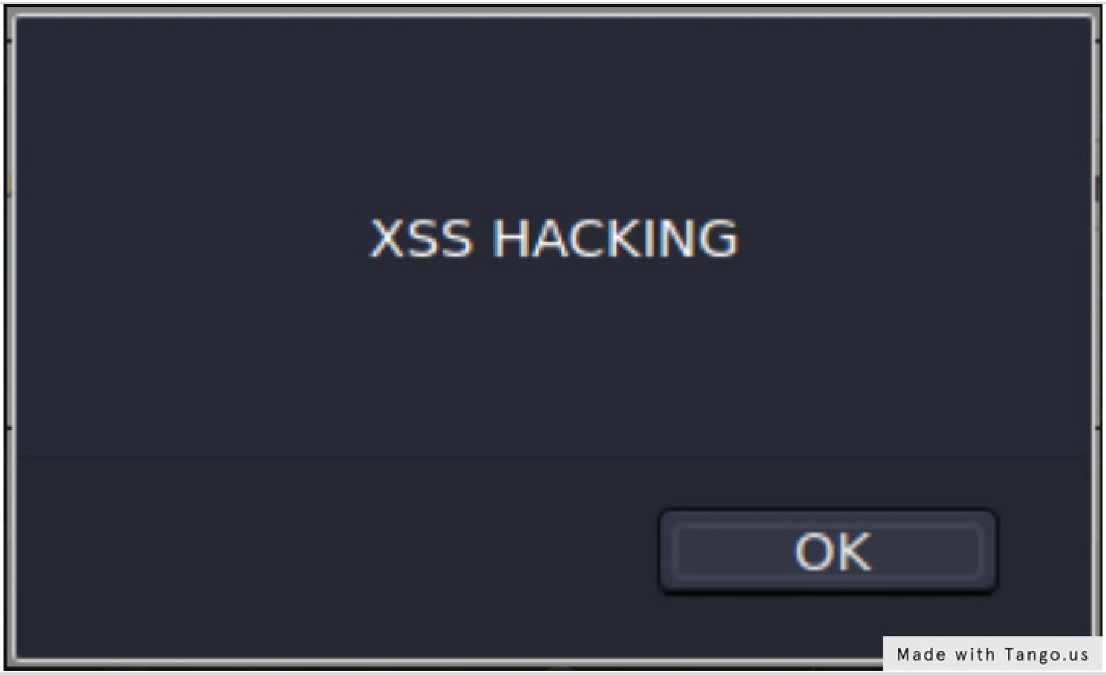
Vulnerability: DOM Bas

Please choose a language:

More Information

- https://www.owasp.org/index.php/Cross-
- https://www.owasp.org/index.php/Testin 001)
- https://www.acunetix.com/blog/articles/c

An alert pops up



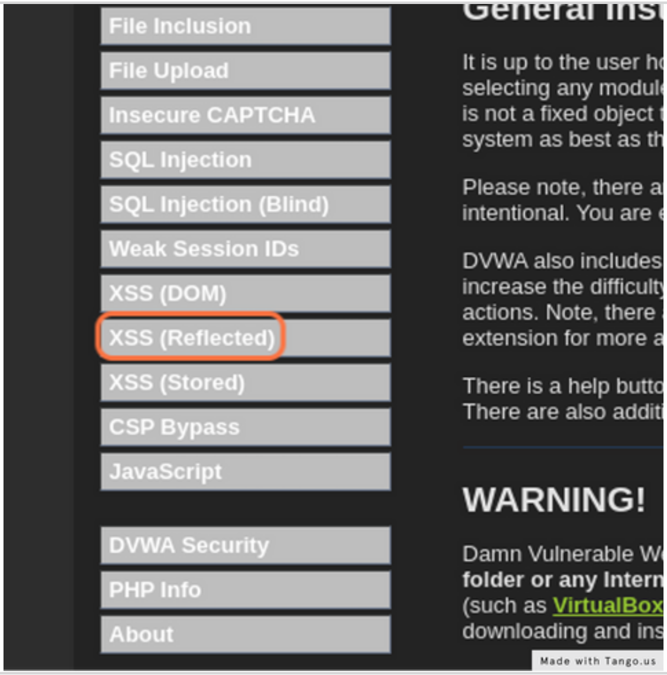
XSS HACKING

Occurrence

Reflected XSS

STEP 1

Click on XSS (Reflected)



General Inst

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Damn Vulnerable W
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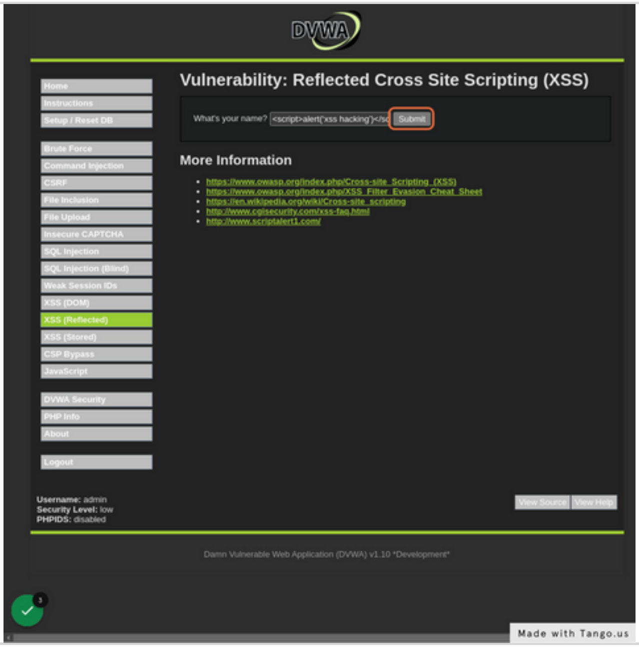
STEP 2

Click on Submit

Payload: <script>alert(‘stored hack’)</script>



Vulnerability: Reflected Cross Site Scripting (XSS)

What's your name? <script>alert('xss hacking')</sc

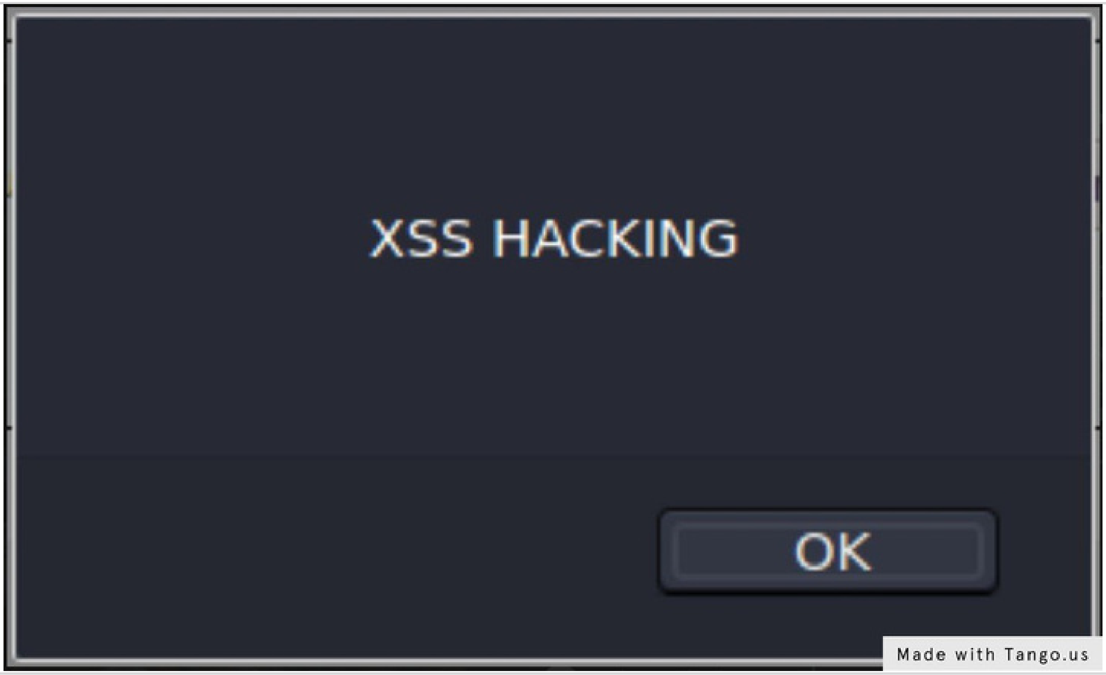
More Information

- https://www.owasp.org/index.php/Cross-site_Scripting_(XSS)
- https://www.owasp.org/index.php/XSS_Filter_Evasion_Cheat_Sheet
- https://en.wikipedia.org/wiki/Cross-site_scripting
- http://www.cgisecurity.com/xss-faq.html
- http://www.scriptalert1.com/

Username: admin
Security Level: low
PHPIDS: disabled

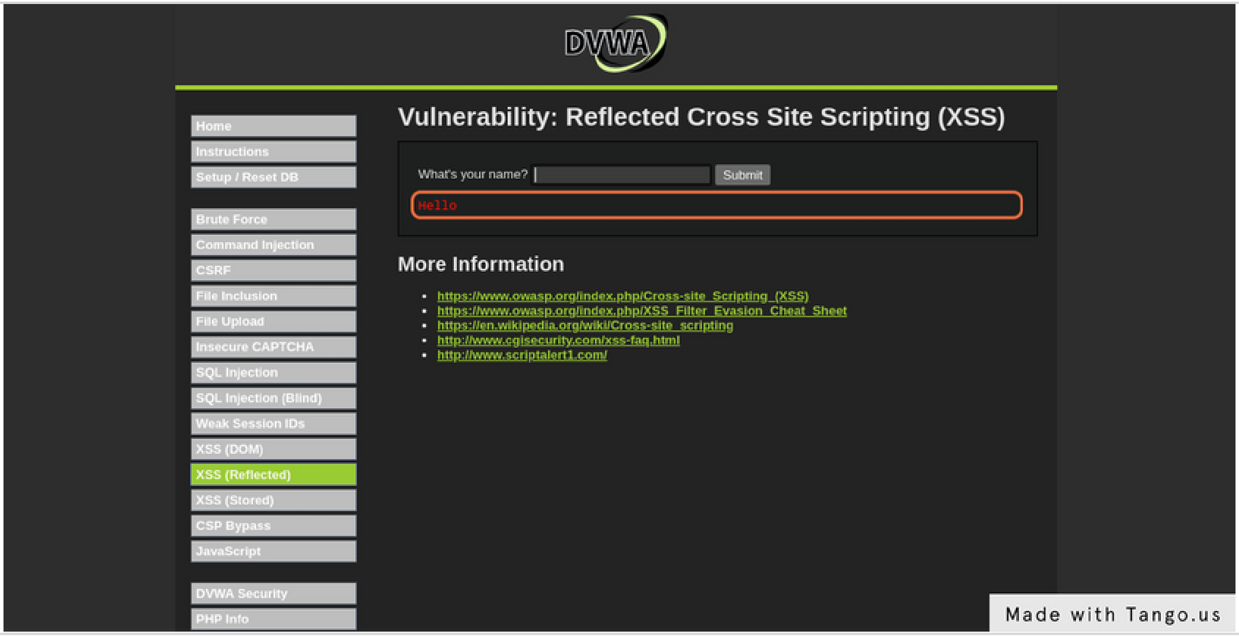
Damn Vulnerable Web Application (DVWA) v1.10 *Development*

STEP 3



XSS HACKING

STEP 4



Vulnerability: Reflected Cross Site Scripting (XSS)

What's your name? Submit

Hello

More Information

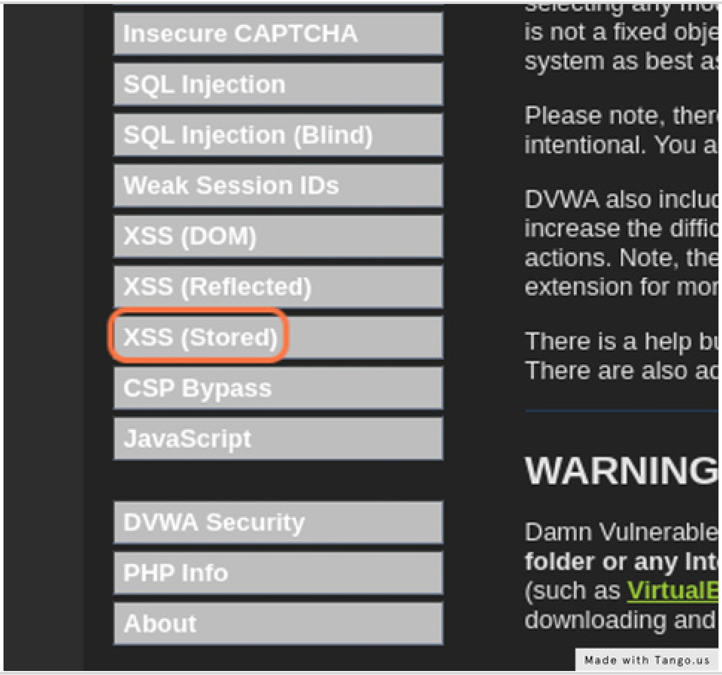
- https://www.owasp.org/index.php/Cross-site_Scripting_(XSS)
- https://www.owasp.org/index.php/XSS_Filter_Evasion_Cheat_Sheet
- https://en.wikipedia.org/wiki/Cross-site_scripting
- http://www.cgisecurity.com/xss-faq.html
- http://www.scriptalert1.com/

Occurrence

Stored XSS

STEP 1

Click on XSS (Stored)



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WARNING

Damn Vulnerable
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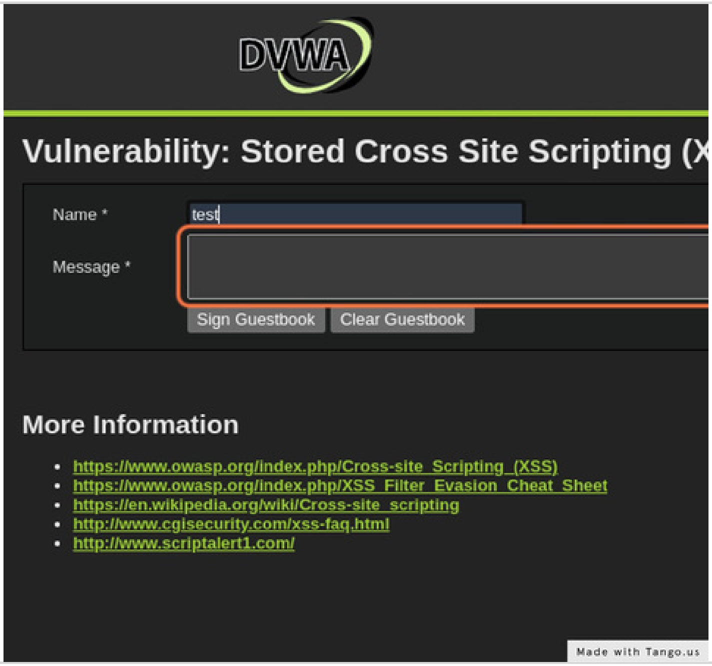
STEP 2

Type "test" for Name



Vulnerability: Stored Cross Site Scripting (X

Name * test

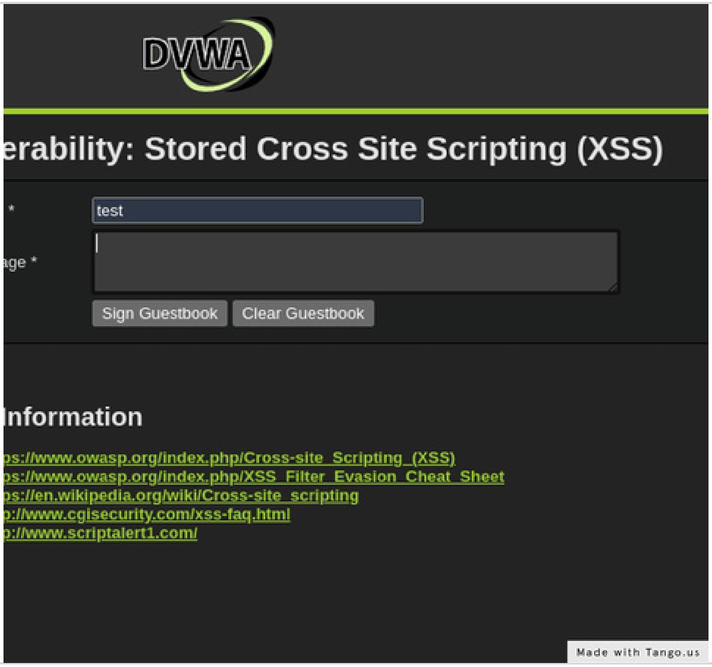
Message *

More Information

- https://www.owasp.org/index.php/Cross-site_Scripting_(XSS)
- https://www.owasp.org/index.php/XSS_Filter_Evasion_Cheat_Sheet
- https://en.wikipedia.org/wiki/Cross-site_scripting
- http://www.cgisecurity.com/xss-faq.html
- http://www.scriptalert1.com/

STEP 3

Type "<script>alert(‘XSS HACKING’)</script>" into text area



erability: Stored Cross Site Scripting (XSS)

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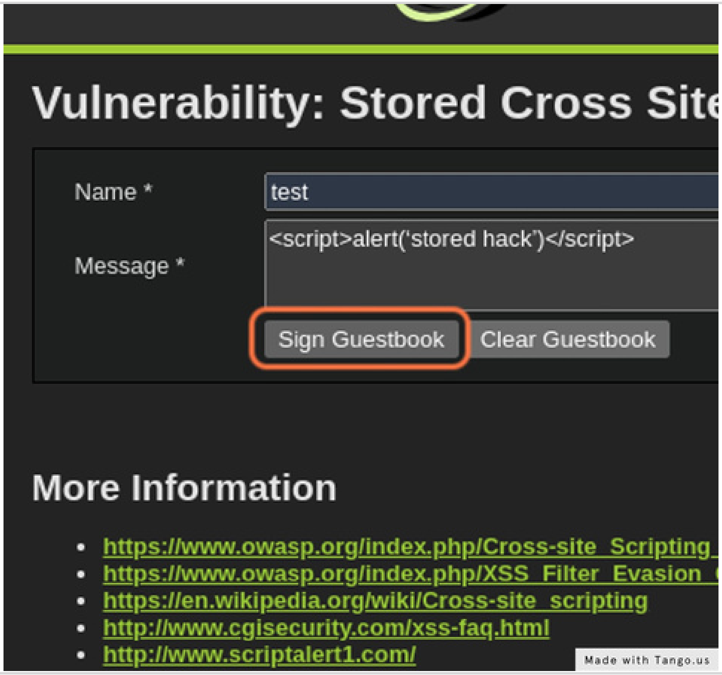
Information

ps://www.owasp.org/index.php/Cross-site_Scripting_(XSS)
ps://www.owasp.org/index.php/XSS_Filter_Evasion_Cheat_Sheet
ps://en.wikipedia.org/wiki/Cross-site_scripting
p://www.cgisecurity.com/xss-faq.html
p://www.scriptalert1.com/

STEP 4

Click on Sign Guestbook



Vulnerability: Stored Cross Site

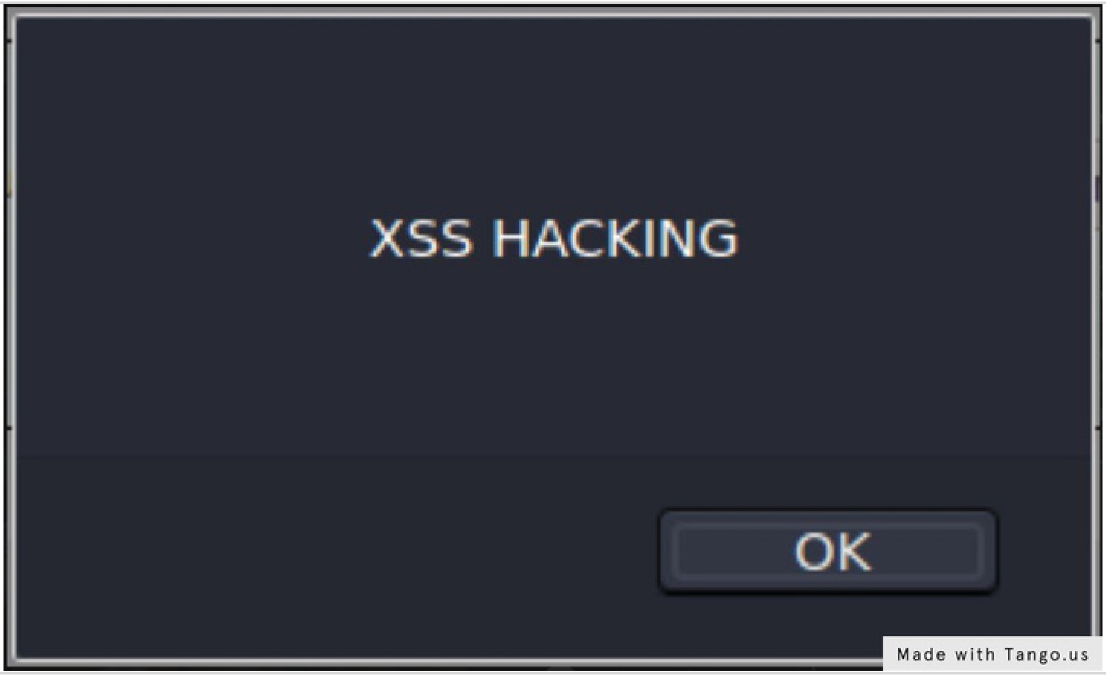
Name * test

Message * <script>alert('stored hack')</script>

More Information

- https://www.owasp.org/index.php/Cross-site_Scripting_
- https://www.owasp.org/index.php/XSS_Filter_Evasion_
- https://en.wikipedia.org/wiki/Cross-site_scripting
- http://www.cgisecurity.com/xss-faq.html
- http://www.scriptalert1.com/

STEP 5



XSS HACKING