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GRADE  
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## Graded Quiz: Test your Project understanding

LATEST SUBMISSION GRADE

100%

1. What is OWASP ZAP?

1 / 1 point

☒ A web crawler

✓ **Correct**  
Correct! OWASP ZAP includes a web spider/crawler.

☐ A TCP port scanner

☒ A web application vulnerability scanner

✓ **Correct**  
Correct! OWASP ZAP is a web application vulnerability scanner.

☒ An intercepting proxy

✓ **Correct**  
Correct! OWASP ZAP includes an intercepting proxy.

2. Why should OWASP ZAP be used in conjunction with and not a replacement for manual penetration testing methods?

1 / 1 point

☒ OWASP ZAP can miss critical vulnerabilities.

✓ **Correct**  
Correct! Automated scanning tools such as OWASP ZAP should not be used as a replacement for manual vulnerability exploitation as they can miss something critical.

☐ OWASP ZAP is expensive and is no longer supported.

☒ OWASP ZAP can g incorrectly indicate a vulnerability is present.

✓ **Correct**  
Correct! Automated scanning tools such as OWASP ZAP can generate false positives.

☐ OWASP ZAP has bugs and frequently crashes.

3. What types of web application security testing scan policies are included within OWASP ZAP?

1 / 1 point

☐ Network Pivoting

☒ Injection

✓ **Correct**  
Correct! Injection is a type of scan policy that is included with OWASP ZAP.

☒ Information Gathering

✓ **Correct**

Correct! Information Gathering is a type of scan policy that is included with OWASP ZAP.

✓ **Server Security**

✓ **Correct**

Correct! Server Security is a type of scan policy that is included with OWASP ZAP.

4. What types of vulnerabilities can OWASP ZAP detect?

1 / 1 point

✓ **SQL Injection**

✓ **Correct**

Correct! OWASP ZAP can detect SQL Injection vulnerabilities.

✓ **XSS (Cross-site Scripting)**

✓ **Correct**

Correct! OWASP ZAP can detect Cross-site Scripting vulnerabilities.

☐ Switch misconfigurations

✓ **Path Traversal**

✓ **Correct**

Correct! OWASP ZAP can detect Path Traversal vulnerabilities.

5. Which of the follow is true when using a proxy versus a quick scan within OWASP ZAP?

1 / 1 point

- ☒ Using the proxy analyzes websites as we visit them.
- ☐ When using the quick scan method, you have to configure the web browser to forward the request to the ZAP tool for analysis.
- ☐ When using the proxy method, you must enter the URL of the site you want to scan into the 'URL to attack' field.
- ☐ Using the proxy sends the request directly to the server that hosts the web pages.

✓ **Correct**

Correct! Using the proxy is very beneficial when we want ZAP to analyze websites as we visit them.

6. Which of the following is true about FoxyProxy?

1 / 1 point

- ☐ FoxyProxy complicates toggling the proxy on and off.
- ☐ FoxyProxy is slower to configure than Firefox's built-in proxy.
- ☐ FoxyProxy comes built-in to the Firefox browser.
- ☒ FoxyProxy is a Firefox add-on that forwards http requests to the OWASP ZAP tool.

✓ **Correct**

Correct! FoxyProxy is a Firefox add-on that is configured in the browser and forwards web requests to OWASP ZAP.

7. How can a dictionary list be used in OWASP ZAP?

1 / 1 point

- ☐ A dictionary list can be used to follow the form responses, redirects and URLs within the robots.txt file.
- ☐ A dictionary list can be used to browse every link included in every web page included in the scope requested.
- ☒ A dictionary list can be used to discover hidden files and directories on a web server.

✓ **Correct**

Correct! Basically, OWASP ZAP can use a dictionary list to try to access all the directories and files listed.

8. Which of the following is true about using web crawlers/spiders?

1 / 1 point

- ☐ Web crawlers only provide the output produced by different requests.
- ☒ Web crawlers save the actual requests and response states of the server.
- ☐ Web crawlers only provide the response state of the server.
- ☐ Web crawlers provide neither the actual requests nor the response states of the server.

✓ **Correct**

Correct! There are ways to download a *static* copy of a website with such, but this means that this gives us the output produced by different requests, but does not save the actual requests nor the response states of the server like web spiders/crawlers do.

9. Which of the following is true about using a single quote in a web form connected to a SQL database?

1 / 1 point

- ☐ A single quote can allow an attacker to access the SQL server.
- ☐ A single quote can never negatively affect information in an SQL database.
- ☒ A single quote can allow an attacker to inject their own malicious SQL code.
- ☐ A single quote will cause redundant code to be passed to the SQL server.

✓ **Correct**

Correct! The single quote (') is a special character in SQL that specifies the beginning and end of string data, and if entered into an SQL query, this character can allow an attacker to inject their own malicious SQL injection code.

10. Which of the following is true about client-side and server-side validation?

1 / 1 point

- ☒ Validation is a protection that checks for malicious input, produces an error, and prevents the input from executing.
- ☐ Client-side validation always allows improperly formed data to be entered and executed into a web form.
- ☐ On a website, server-side validation always produces the same errors as client-side validation.
- ☐ Server-side validation always allows improperly formed data to be entered and executed into a web form.

✓ **Correct**

Correct! Without proper input validation, the website would allow for injection attacks which would alter the proper execution of the web application.