

Testing Quiz

(🔗) freecodecamp.org/learn/front-end-development-libraries-v9/quiz-testing/quiz-testing

The freeCodeCamp logo, featuring the word "freeCodeCamp" in a white sans-serif font with a small flame icon at the end of the "C", all set against a solid black background.

To pass the quiz, you must correctly answer at least 18 of the 20 questions below.

1.
What type of testing focuses on verifying individual components or functions of code in isolation?

End-to-end testing.

Unit testing.

Correct!

Integration testing.

Functional testing.

2.

- Which testing approach evaluates a system's compliance with specified requirements
- from an end-user perspective?

Acceptance testing.

Correct!

Unit testing.

Security testing.

Performance testing.

3.

- What type of testing assesses how well a system performs under various workloads?

Performance testing.

Correct!

Security testing.

Usability testing.

Compatibility testing.

4.

Which testing practice involves evaluating a system's ability to protect data and maintain

- functionality in the face of malicious attacks?

Usability testing.

Performance testing.

Compatibility testing.

Security testing.

Correct!

5.

- What type of testing involves providing two versions of software to users and analyzing
- which performs better?

Comparative testing.

Compatibility testing.

A/B testing.

Correct!

Performance testing.

6.

- Which popular JavaScript testing framework is often used for unit testing?

Cypress

Playwright

Jest

Correct!

Selenium

7.

What term describes replacing some components used during testing with objects that

- return pre-defined responses?

Mocking

Stubbing

Correct!

Faking

Pre-defining

8.

- Which stage comes first in the Software Development Lifecycle?

Implementation stage.

Design stage.

Planning stage.

Correct!

Testing stage.

9.

What type of testing evaluates the entire system from start to finish, simulating real-world

- scenarios?

Unit testing.

Integration testing.

End-to-end (E2E) testing.

Correct!

Functional testing.

10.

- Which testing approach focuses on how easy and satisfying a product is to use?

Security testing.

Compatibility testing.

Usability testing.

Correct!

Performance testing.

- 11.
- Which one is an assertion library?

Selenium

Mocha

GrowthBook

Chai

Correct!

- 12.
- Which testing tool is specifically designed for end-to-end testing of web applications
- across multiple browsers?

Playwright

Correct!

Mocha

Jest

Jasmine

- 13.
- What type of testing ensures that a system works correctly with different hardware, operating systems, or network environments?
-

Unit testing.

Usability testing.

Compatibility testing.

Correct!

Functional testing.

- 14.
- What is regression testing?

This test runs tests repeatedly to ensure the application works under high load.

This test re-runs tests to check for new issues introduced by recent changes to the codebase.

Correct!

This test ensures that the application works properly after downgrading to previous versions.

Incorrect.

This test re-runs the test that found a bug to confirm that the issue has been fixed.

- 15.
- What is alpha testing?

An automated test suite that checks for critical issues before beta testing begins.

The first phase of A/B testing.

Providing the application to a selected group of testers to use it as part of acceptance testing.

Correct!

Iterative testing performed in the Agile model of software development.

- 16.
- What is the primary purpose of smoke testing in software development?

To ensure all features are working perfectly.

To verify that the most critical functions of a system are working.

Correct!

To check for security vulnerabilities.

To test the system under extreme stress.

17.

- Which test involves creating simulated cyberattacks on the application to identify any
- vulnerabilities?

Usability testing.

Breakpoint testing.

Penetration Testing.

Correct!

Smoke testing.

18.

- What does TDD stand for in software development methodologies?

Test-Driven Development

Correct!

Test-Driven Deployment

Total Design Development

Technical Design Document

19.

- Which of the following is an example of a non-functional testing type?

User acceptance testing.

Incorrect.

Integration testing.

Unit testing.

Performance testing.

Correct!

20.

- Which function is used with matchers to check a value in Jest?

`test`

`check`

`expect`

Correct!

`match`

You have 18 out of 20 questions correct.