

Introduction to API Testing

Computer Science · Practice Test · 20 Questions

1. What is the primary practice of API testing?

- A) Validating that APIs meet expectations for functionality, reliability, performance, and security.
- B) Writing code to build new API features.
- C) Designing the user interface for applications.
- D) Managing database connections.

2. Why is API testing essential in modern software development?

- A) To ensure APIs meet expectations for functionality, reliability, performance, and security.
- B) To replace the need for manual user testing.
- C) To solely focus on the visual appearance of applications.
- D) To increase the complexity of the development process.

3. Who is NOT exclusively responsible for API testing?

- A) QA Engineers
- B) Developers
- C) Security Specialists
- D) All of the above are involved in API testing.

4. What is a common goal for Developers when testing APIs?

- A) Verify endpoints work correctly during development.
- B) Ensure the API contract is consistent.
- C) Integrate security checks into the deployment pipeline.
- D) Measure response times under load.

5. What type of testing do API Designers & Architects typically perform?

- A) Reliability testing
- B) Functional testing
- C) Security testing
- D) Performance testing

6. Quality Assurance Engineers typically focus on which aspect of API testing?

- A) Validate end-to-end behavior and catch regressions.
- B) Build repeatable test suites.
- C) Identify vulnerabilities.
- D) Confirm the API delivers the right data for business decisions.

7. What is the primary goal of Test Automation Engineers in API testing?

- A) Build repeatable test suites that run in CI/CD pipelines.
- B) Verify endpoints work correctly.
- C) Ensure the API contract is consistent.
- D) Measure response times.

8. DevSecOps Engineers focus on integrating what into the deployment pipeline?

- A) Security checks
- B) Functional tests
- C) Reliability tests
- D) Performance tests

9. What do Security Specialists aim to identify during API testing?

- A) Vulnerabilities, misconfigurations, and data exposure risks.
- B) Correct data for business decisions.
- C) API alignment with product requirements.
- D) API response times.

10. What is the goal of Business Analysts in API testing?

- A) Confirm the API delivers the right data for business decisions.
- B) Build repeatable test suites.
- C) Verify endpoints work correctly.
- D) Integrate security checks.

11. API Product Owners ensure the API aligns with what?

- A) Product requirements and user needs.
- B) Endpoint functionality.
- C) Security vulnerabilities.
- D) Response times under load.

12. Performance Engineers measure which aspects of an API?

- A) Response times, throughput, and resource usage under load.
- B) Endpoint correctness.
- C) API contract consistency.
- D) Data for business decisions.

13. What does the text mean by API testing being a 'cross-functional discipline'?

- A) Many different roles interact with and test APIs.
- B) Only developers are involved in API testing.
- C) It is a specialized task for QA engineers only.
- D) It is a part of only one phase of the software lifecycle.

14. Which of the following is a type of testing mentioned in the text?

- A) Functional testing
- B) User Interface testing
- C) Integration testing (explicitly mentioned)
- D) Usability testing

15. What is the purpose of the 'Reveal All' button in the table?

- A) To show all the answers for the persona-test type mapping.
- B) To start the course quiz.
- C) To log out of the Postman account.
- D) To provide external resources.

16. What is the duration of the course 'An Introduction to API Testing'?

- A) 20 mins
- B) 12 mins
- C) 30 mins
- D) 50 mins

17. What is the version number of the course 'An Introduction to API Testing'?

- A) v12
- B) v1
- C) v2
- D) v10

18. What is the first chapter of this course titled?

- A) AN INTRODUCTION TO API TESTING
- B) API Test Types
- C) The Case for Test Automation
- D) Wrapping Up

19. What is the next chapter after 'An Introduction to API Testing'?

- A) API Test Types
- B) The Case for Test Automation
- C) Wrapping Up
- D) Resources

20. What does the note with the 'i' emoji refer to?

- A) A table mapping roles to testing goals and types.
- B) A definition of API testing.
- C) A quiz section.
- D) A recap of the chapter.