

Introduction to API Testing

Computer Science · Answer Key · 20 Questions

1. What is API testing?

A) The practice of validating that Application Programming Interfaces (APIs) meet expectations for functionality, reliability, performance, and security.

- B) Writing code for APIs.
- C) Designing the user interface of an application.
- D) Testing the database performance.

2. According to the text, API testing is essential in which phase of software development?

- A) Only after the software is released.
- B) During the initial design phase only.
- C) Across the software development lifecycle.**
- D) Only during the performance tuning stage.

3. Which of the following is NOT listed as a goal for API testing?

- A) Functionality
- B) Reliability
- C) User Interface Design**
- D) Security

4. Who is identified as a persona involved in API testing?

- A) Marketing Managers
- B) Customers
- C) Developers**
- D) Human Resources Specialists

5. What is a primary goal for Developers in API testing?

- A) To ensure the API contract is consistent.
- B) To build repeatable test suites.
- C) To verify endpoints work correctly during development.**
- D) To integrate security checks into the deployment pipeline.

6. Which persona focuses on ensuring the API contract is consistent and well-structured?

- A) Quality Assurance Engineers
- B) API Designers & Architects**
- C) DevSecOps Engineers
- D) Performance Engineers

7. What type of testing do Quality Assurance Engineers typically perform?

- A) Security testing
- B) Documentation testing
- C) Performance testing

D) Functional testing

8. Test Automation Engineers are responsible for building what?

- A) User documentation

B) Repeatable test suites that run in CI/CD pipelines

- C) API security protocols
- D) Performance benchmarks

9. Which persona focuses on integrating security checks into the deployment pipeline?

- A) Business Analysts
- B) Security Specialists

C) DevSecOps Engineers

- D) API Product Owners

10. Security Specialists aim to identify what?

- A) API response times

B) Vulnerabilities, misconfigurations, and data exposure risks

- C) API documentation clarity
- D) Code readability

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

- A) To measure response times under load.
- B) To ensure the API aligns with product requirements.

C) To confirm the API delivers the right data for business decisions.

- D) To build repeatable test suites.

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

- A) Developer preferences

B) Product requirements and user needs

- C) Hardware specifications
- D) Marketing strategies

13. Performance Engineers measure what metrics?

- A) Code complexity
- B) User satisfaction scores

C) Response times, throughput, and resource usage under load

- D) API documentation completeness

14. The text states that API testing is a discipline that is:

- A) Solely for QA engineers
- B) Limited to developers
- C) Cross-functional**
- D) Only relevant for performance tuning

15. What does the text suggest is beneficial for focusing efforts and collaborating effectively in API testing?

- A) Ignoring other team members' roles
- B) Understanding which persona you align with and which test types matter most**
- C) Relying solely on automated tests
- D) Focusing only on functional testing

16. The quiz mentioned in the text is titled:

- A) API Test Types
- B) An Introduction to API Testing**
- C) The Case for Test Automation
- D) Wrapping Up

17. What is the recommended duration for the course 'An Introduction to API Testing'?

- A) 10 mins
- B) 20 mins**
- C) 30 mins
- D) 40 mins

18. What does the note about the table suggest about the 'Test Type' column?

- A) The answers are automatically revealed.
- B) The answers are blurred and can be revealed by clicking or pressing 'Reveal All'.**
- C) The column is only for reference and contains no answers.
- D) The answers are only visible to administrators.

19. The text mentions 'API Test Types' as the topic for:

- A) The previous chapter
- B) The current chapter's recap
- C) The next chapter**
- D) A side note

20. What is a potential risk that Security Specialists look for?

- A) Slow response times
- B) Inconsistent API contracts
- C) Data exposure risks**
- D) Lack of documentation