

⚠ This quiz has been regraded; your new score reflects 2 questions that were affected.

Quiz 2 APIs

- Due Oct 23 at 11:59pm
- Points 11
- Questions 11
- Available Oct 23 at 12am - Oct 23 at 11:59pm 23 hours and 59 minutes
- Time Limit 10 Minutes

This quiz was locked Oct 23 at 11:59pm.

Attempt History

	Attempt	Time	Score	Regraded
LATEST	Attempt 1	6 minutes	9 out of 11	11 out of 11

⚠ Correct answers are hidden.

Score for this quiz: 11 out of 11

Submitted Oct 23 at 12pm

This attempt took 6 minutes.



Question 1

1 / 1 pts

Which of the following best describes a REST API?

- It exposes resources through URIs and uses standard HTTP methods.
- It allows procedures to be called remotely as if they were local methods.
- It uses binary serialization by default.
- It requires HTTP/2 for all communications.



Question 2

1 / 1 pts

2. RPC systems primarily communicate by:

- B. Calling functions or procedures over the network
- A. Sending JSON payloads over REST endpoints
- C. Using message queues exclusively
- D. Serializing HTML documents



Question 3

1 / 1 pts

3. Which of the following is an **advantage** of gRPC over HTTP/1.1-based REST?

- C. Efficient serialization and deserialization
- A. Transport layer security
- B. Client load balancing
- D. Request routing



Question 4

1 / 1 pts

5. What problem did HTTP/2 solve that plagued HTTP/1.1?

- C. Head-of-Line (HOL) blocking due to single outstanding request
- A. Inability to handle cookies
- B. Lack of authentication mechanisms
- D. Excessive file caching



Question 5

1 / 1 pts

6. Which gRPC communication model allows both client and server to send messages continuously?

- D. Bidirectional streaming
- A. Unary RPC
- B. Client streaming
- C. Server streaming



Question 6

1 / 1 pts

7. In REST, **idempotency** means:

- A. Repeated requests produce the same effect without unintended side effects
- B. The API automatically retries failed requests
- C. Each request generates unique state
- D. Only POST methods are allowed



Question 7

1 / 1 pts

8. Which of the following execution semantics ensures no operation is performed more than once, even on retries?

- B. At-most-once
- A. At-least-once
- D. Best-effort-once
- C. Exactly-once



Question 8

1 / 1 pts

9. Which semantic is ideal for financial transactions requiring high reliability?

- B. At-least-once with idempotent logic
- A. At-most-once
- C. At-most-once without retries
- D. Best-effort execution



Question 9

Original Score: 0 / 1 pts Regraged Score: 1 / 1 pts

This question has been regraded.

10. In microservice communication, a **Service Registry** is used to:

- A. Balance server CPU utilization
- A. Balance server CPU utilization
- B. Cache static assets
- D. Store authentication tokens

Incorrect



Question 10

Original Score: 0 / 1 pts Regraged Score: 1 / 1 pts

This question has been regraded.

11. The main drawback of binary RPC protocols like gRPC is:

- B. Lack of browser support and harder debugging
- A. High network latency
- C. Verbose payloads
- D. No schema enforcement



Question 11

1 / 1 pts

12. REST APIs usually represent data as:

- C. Human-readable JSON or XML
- A. Serialized Protobuf messages
- B. Binary packets
- D. Bytecode

Quiz Score: 11 out of 11