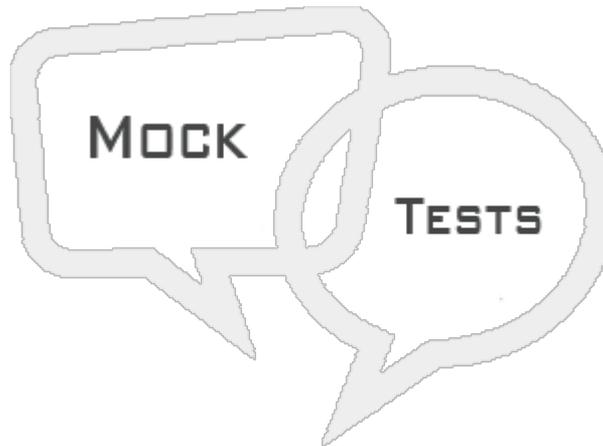


RESTFUL MOCK TEST

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This section presents you various set of Mock Tests related to **RESTful Framework**. You can download these sample mock tests at your local machine and solve offline at your convenience. Every mock test is supplied with a mock test key to let you verify the final score and grade yourself.



RESTFUL MOCK TEST I

Q 1 - What REST stands for?

- A - Represent State Transfer
- B - REpresentational State Transfer
- C - Represent State Transfer
- D - None of the above.

Q 2 - Which of the following is true about REST?

- A - REST is web standards based architecture and uses HTTP Protocol for data communication.
- B - It revolves around resource where every component is a resource and a resource is accessed by a common interface using HTTP standard methods.
- C - REST was first introduced by Roy Fielding in 2000.
- D - All of the above.

Q 3 - Which of the following is true about REST?

- A - In REST architecture, a REST Server simply provides access to resources and REST client accesses and presents the resources.
- B - Each resource is identified by URIs/ global IDs.
- C - REST uses various representations to represent a resource like text, JSON and XML.
- D - All of the above.

Q 4 - Which of the following is not a valid HTTP methods used in RESTful web services?

- A - GET
- B - PUT
- C - TIME
- D - POST

Q 5 - Which of the following is not a valid HTTP methods used in RESTful web services?

- A - OPTIONS
- B - DELETE
- C - DATE
- D - POST

Q 6 - Which of the following is correct about web services?

A - A web service is a collection of open protocols and standards used for exchanging data between applications or systems.

B - Software applications written in various programming languages and running on various platforms can use web services to exchange data among them over computer networks like the Internet.

C - Both of the above.

D - None of the above.

Q 7 - Which of the following is correct about RESTful web services?

A - Web services based on REST Architecture are known as RESTful web services.

B - These web services use HTTP methods to implement the concept of REST architecture.

C - A RESTful web service usually defines a URI, Uniform Resource Identifier a service, provides resource representation such as JSON and set of HTTP Methods.

D - All of the above.

Q 8 - Which of the following is correct about resource representation in REST?

A - REST uses various representations to represent a resource where text, JSON, XML.

B - XML and JSON are the most popular representations of resources.

C - Both of the above.

D - None of the above.

Q 9 - Which of the following depicts best practice, Understandability for resource representation in REST?

A - Both Server and Client should be able to understand and utilize the representation format of the resource.

B - Format should be able to represent a resource completely. For example, a resource can contain another resource. Format should be able to represent simple as well as complex structures of resources.

C - A resource can have a linkage to another resource, a format should be able to handles such situations.

D - None of the above.

Q 10 - Which of the following depicts best practice, Completeness for resource representation in REST?

A - Both Server and Client should be able to understand and utilize the representation format of the resource.

B - Format should be able to represent a resource completely. For example, a resource can contain another resource. Format should be able to represent simple as well as complex structures of resources.

C - A resource can have a linkage to another resource, a format should be able to handles such situations.

D - None of the above.

Q 11 - Which of the following depicts best practice, Linkability for resource representation in REST?

A - Both Server and Client should be able to understand and utilize the representation format of the resource.

B - Format should be able to represent a resource completely. For example, a resource can contain another resource. Format should be able to represent simple as well as complex structures of resources.

C - A resource can have a linkage to another resource, a format should be able to handles such situations.

D - None of the above.

Q 12 - Which of the following protocol is used by RESTful web services as a medium of communication between client and server?

A - HTTP

B - FTP

C - Gopher

D - None of the above.

Q 13 - Which of the following is correct about messaging in RESTful web services?

A - A client sends a message in form of a HTTP Request and server responds in form of a HTTP Response.

B - These messages contain message data and metadata i.e. information about message itself.

C - Both of the above.

D - None of the above.

Q 14 - Which of the following component of HTTP request indicates HTTP methods such as GET, POST, DELETE, PUT etc.?

- A - VERB
- B - URI
- C - HTTP Version
- D - Request Header

Q 15 - Which of the following component of HTTP request is used to identify the resource on server?

- A - VERB
- B - URI
- C - HTTP Version
- D - Request Header

Q 16 - Which of the following component of HTTP request is used to indicate HTTP version?

- A - VERB
- B - URI
- C - HTTP Version
- D - Request Header

Q 17 - Which of the following component of HTTP request contains metadata for the HTTP Request message as key-value pairs?

- A - VERB
- B - URI
- C - HTTP Version
- D - Request Header

Q 18 - Which of the following component of HTTP request contains message content or Resource representation?

- A - Request Body
- B - URI
- C - HTTP Version
- D - Request Header

Q 19 - Which of the following component of HTTP response indicates server status for

the requested resource?

- A - Status/Response Code
- B - HTTP Version
- C - Response Header
- D - Response Body

Q 20 - Which of the following component of HTTP response indicates HTTP version?

- A - Status/Response Code
- B - HTTP Version
- C - Response Header
- D - Response Body

Q 21 - Which of the following component of HTTP response contains metadata for the HTTP Response message as key-value pairs?

- A - Status/Response Code
- B - HTTP Version
- C - Response Header
- D - Response Body

Q 22 - Which of the following component of HTTP response contains response message content or Resource representation?

- A - Status/Response Code
- B - HTTP Version
- C - Response Header
- D - Response Body

Q 23 - Which of the following is correct about addressing in RESTful web services?

- A - Addressing refers to locating a resource or multiple resources lying on the server.
- B - It is analogous to locate a postal address of a person.
- C - Both of the above.
- D - None of the above.

Q 24 - What URI stands for?

- A - Unit Resource Identifier
- B - Uniform Representation Identifier
- C - Uniform Resource Identifier

D - None of the above.

Q 25 - Which of the following is correct about URI in RESTful web services?

A - Each resource in REST architecture is identified by its URI.

B - Purpose of an URI is to locate a resources on the server hosting the web service.

C - Both of the above.

D - None of the above.

Q 26 - Which of the following is a best practice to create a standard URI for a web service?

A - Use Plural Noun.

B - Avoid using spaces.

C - Use lowercase letters

D - All of the above.

Q 27 - Which of the following is a best practice to create a standard URI for a web service?

A - Maintain Backward Compatibility

B - Use HTTP Verb

C - Both of the above.

D - None of the above.

Q 28 - Which of the following is correct about statelessness in context of RESTful web service?

A - As per REST architecture, a RESTful web service should not keep a client state on server.

B - It is responsibility of the client to pass its context to server and then server can store this context to process client's further request.

C - Both of the above.

D - None of the above.

Q 29 - Which of the following is advantage of RESTful web service being stateless?

A - Web services can treat each method request independently.

B - Web services need not to maintain client's previous interactions. It simplifies application design.

C - As HTTP is itself a statelessness protocol, RESTful Web services work seamlessly with HTTP protocol.

D - All of the above.

Q 30 - Which of the following HTTP method should be idempotent in nature?

- A - GET
- B - PUT
- C - POST
- D - HEAD

Q 31 - Which of the following HTTP method should be idempotent in nature?

- A - OPTIONS
- B - DELETE
- C - POST
- D - HEAD

Q 32 - Which of the following HTTP method should be read only in nature?

- A - GET
- B - DELETE
- C - POST
- D - PUT

Q 33 - Which of the following HTTP method should be used to create/update resource using RESTful web service?

- A - GET
- B - DELETE
- C - POST
- D - OPTIONS

Q 34 - Which of the following HTTP method should be used to delete resource using RESTful web service?

- A - GET
- B - DELETE
- C - POST
- D - OPTIONS

Q 35 - Which of the following HTTP method should be used to create resource using RESTful web service?

- A - GET

- B - DELETE
- C - PUT
- D - OPTIONS

Q 36 - Which of the following HTTP method should be used to fetch resource using RESTful web service?

- A - GET
- B - DELETE
- C - PUT
- D - OPTIONS

Q 37 - Which of the following HTTP method should be used to get status of method availability in RESTful web service?

- A - GET
- B - HEAD
- C - PUT
- D - OPTIONS

Q 38 - Which of the following HTTP method should be used to get list the supported operations in RESTful web service?

- A - GET
- B - HEAD
- C - PUT
- D - OPTIONS

Q 39 - Which of the following is true about caching in RESTful web service?

- A - Caching refers to storing server response in client itself so that a client needs not to make server request for same resource again and again.
- B - A server response should have information about how a caching is to be done so that a client caches response for a period of time or never caches the server response.
- C - Both of the above.
- D - None of the above.

Q 40 - Which of the following header of HTTP response, provides the date and time of the resource when it was created?

- A - Date
- B - Last Modified
- C - Cache-Control

D - Expires

Q 41 - Which of the following header of HTTP response, provides the date and time of the resource when it was last modified?

A - Date

B - Last Modified

C - Cache-Control

D - Expires

Q 42 - Which of the following header of HTTP response provides control over caching?

A - Date

B - Last Modified

C - Cache-Control

D - Expires

Q 43 - Which of the following header of HTTP response sets expiration date and time of caching?

A - Date

B - Last Modified

C - Cache-Control

D - Expires

Q 44 - Which of the following directive of Cache Control Header of HTTP response indicates that resource is cachable by any component?

A - Public

B - Private

C - no-cache/no-store

D - max-age

Q 45 - Public directive of Cache Control Header of HTTP response indicates that resource is cachable by any component.

A - true

B - false

Q 46 - Which of the following directive of Cache Control Header of HTTP response indicates that resource is cachable by only client and server?

A - Public

- B - Private
- C - no-cache/no-store
- D - max-age

Q 47 - Which of the following directive of Cache Control Header of HTTP response indicates that resource is not cachable?

- A - Public
- B - Private
- C - no-cache/no-store
- D - max-age

Q 48 - Which of the following directive of Cache Control Header of HTTP response can set the time limit of caching?

- A - Public
- B - Private
- C - no-cache/no-store
- D - max-age

Q 49 - Which of the following directive of Cache Control Header of HTTP response provides indication to server to revalidate resource if max-age has passed?

- A - must-revalidate
- B - Private
- C - no-cache/no-store
- D - max-age

Q 50 - Which of the following is a best practice for caching in RESTful web service?

- A - Always keep static contents like images, css, JavaScript cacheable, with expiration date of 2 to 3 days.
- B - Never keep expiry date too high.
- C - Dynamic contents should be cached for few hours only.
- D - All of the above.

ANSWER SHEET

Question Number	Answer Key
-----------------	------------

- | | |
|---|---|
| 1 | B |
| 2 | D |

3	D
4	C
5	C
6	C
7	D
8	C
9	A
10	B
11	C
12	A
13	C
14	A
15	B
16	C
17	D
18	A
19	A
20	B
21	C
22	D
23	C
24	C
25	C
26	D
27	C
28	C
29	D
30	B
31	B
32	A
33	C
34	B
35	C
36	A
37	B

38	D
39	C
40	A
41	B
42	C
43	D
44	A
45	A
46	B
47	C
48	D
49	A
50	D

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