

# Quiz 3

Deadline	Thursday, 02 April 2020 at 11:59PM
Latest Submission	Thursday, 02 April 2020 at 8:42PM
Raw Mark	10.00/10.00 (100.00%)
Late Penalty	N/A
Final Mark	10.00/10.00 (100.00%)

## Question 1 (1 mark)

the HTTP method PUT is:

(a) <input type="radio"/>	Safe and idempotent
(b) <input checked="" type="radio"/>	Idempotent but not safe
(c) <input type="radio"/>	Neither safe nor idempotent

✓ Your response was correct.

Mark: 1.00

## Question 2 (1 mark)

In REST, Stateless means

(a) <input checked="" type="radio"/>	The server does not store any state about the client session on the server side
(b) <input type="radio"/>	The resources have a fixed state
(c) <input type="radio"/>	The state of the resources is unknown

✓ Your response was correct.

Mark: 1.00

## Question 3 (1 mark)

In HTTP specifications status code 403 is returned when

(a) <input type="radio"/>	the request is Accepted and the resource is Created
(b) <input type="radio"/>	The Resource is Not Found

(c) <input checked="" type="radio"/>	You don't have permission to access the resource
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✓ Your response was correct.

Mark: 1.00

#### Question 4 (1 mark)

You can rely on the principle of HATEOAS to:

(a) <input type="radio"/>	allow retrieving associations (i.e., relationships) between resources
(b) <input type="radio"/>	hint at possible actions (update, delete)
(c) <input type="radio"/>	help the clients use the API (self-describing as possible)
(d) <input checked="" type="radio"/>	All of the Above

✓ Your response was correct.

Mark: 1.00

#### Question 5 (1 mark)

When building your REST API client you need to read and understand the 'contract' (i.e. the API documentation) in order to:

(a) <input type="radio"/>	Pay for using the REST API
(b) <input type="radio"/>	Understand the technologies that were used to build the RESRful API
(c) <input checked="" type="radio"/>	Understand the objects in the responses, how the addresses are constructed, and what are the actions supported

✓ Your response was correct.

Mark: 1.00

#### Question 6 (1 mark)

Among the issues of using HTTP Basic for authentication in REST API security

(a) <input type="radio"/>	The password is sent over the network in base64 encoding which can be converted back to plain text
(b) <input type="radio"/>	The password is sent repeatedly, for each request (i.e. larger attack window)
(c) <input checked="" type="radio"/>	All of the above mentioned

✓ Your response was correct.

Mark: 1.00

#### Question 7 (1 mark)

As best practice in securing your REST API, you should restrict HTTP methods by

(a) <input checked="" type="radio"/>	Whitelisting permitted methods
(b) <input type="radio"/>	Black-listing not permitted methods
(c) <input type="radio"/>	use API keys for authentication

✓ Your response was correct.

Mark: 1.00

#### Question 8 (1 mark)

Which statement is NOT true in regard to using Json Web Token (JWT)

(a) <input type="radio"/>	the token is self contained
(b) <input type="radio"/>	the token is meant to be short live (i.e. expire)
(c) <input checked="" type="radio"/>	Using JWT invalidate the Statelessness of our REST API

✓ Your response was correct.

Mark: 1.00

#### Question 9 (1 mark)

In OAuth the Authorization Grant

(a) <input type="radio"/>	is a token accompanying the request to access the customer information
(b) <input type="radio"/>	Can be used multiple times until the expiry is reached
(c) <input checked="" type="radio"/>	is a token generated when the customer agree to authorize access to the data

✓ Your response was correct.

Mark: 1.00

#### Question 10 (1 mark)

When transferring sensitive data in your REST API GET request (e.g., API key), the sensitive data should be transferred in

(a) <input checked="" type="radio"/>	the Header
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(b) <input type="radio"/>	the URL
(c) <input type="radio"/>	a parameter in the URL

✓ Your response was correct.

Mark: 1.00