Module 3 Review

Total points 12

1. REST uses several HTTP methods to communicate. Which HTTP method should not make a change to data on the server?

1 point

> GET

2. Which of these are constraints of REST architectures? Choose the **three correct** answers.

1 point

- ☐ Interactions rely on state
- ☑ Layered and client-server based
- ☑ Uniform interface for communication
- ☑ Clients can cache responses

3. According to REST best practices, where should you specify what format the input and output messages are in?

1 point

- ◯ sub-resources in the URI
- ◉ HTTP headers
- ◯ Parameters in the URI
- ◯ XML schema

4. Which of these are acceptable REST URIs according to best practices? Choose the **two correct** answers.

1 point

- ☑ /students/
- ☑ /students/3/
- ☐ /student/
- ☐ /getstudent/

5. Which of these is **NOT** used in developing RESTful web services?

1 point

- ◯ JSON
- ◯ XML
- ◯ simple text
- ◉ SOAP

6. By convention, which HTML method is usually used to create a *new resource*?

1 point

○ POST

○ PATCH

○ PUT

○ DELETE

7. What is the recommended way to not break functionality if your RESTful API is being used by many users?   `1 point`

○ Subscribe your service consumers to change notifications

○ version your API

⦿ Describe your service with WSDL

○ Refactor the service, keeping the API the same

8. Which of these best describes microservices?   `1 point`

⦿ Web service architectures consisting of lots of small, modular services

○ Replicating services and modifying them to fill other roles

○ Migrating business functionality into a set of services incrementally instead of all at once

○ a variation of SOA applied on an application scale

9. Consider the two statements. Choose the one correct option.   `1 point`

1. Microservices must be in the same language and framework

2. Microservices can be replicated for scaling

○ Only the first statement is true

⦿ Only the second statement is true

○ Both statements are true

○ Neither statement is true

10. Which are the advantages of microservices? Choose the **two correct** answers.   `1 point`

☑ Services can be scaled independently

☐ Testing is simple

☑ Small teams can develop microservices quickly

☐ Performance is very good

11 How can you pass parameters in a REST call? Select the **two correct** answers   `1 point`

11. How can you pass parameters in a REST call. Select the **two correct** answers. `1 point`

- ☐ In the HTTP header
- ☑ In the URL
- ☑ In XML
- ☐ In the SOAP header

12. Consider the following two statements about RESTful web services. Choose the one correct option `1 point`

1. Requests can be sent in simple text

2. PUT is usually used to create new resource

- ◉ Only the first statement is true
- ◯ Only the second statement is true
- ◯ Both statements are true
- ◯ Neither statement is true

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