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`

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

3. According to REST best practices, where should you specify what format the input and output messages are in?   `1 point`

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

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`

    - ○ simple text
    - ◉ SOAP
    - ○ XML
    - ○ JSON

6. By convention, which HTML method is usually used to create a *new resource*?   `1 point`

    - ○ PUT
    - ○ DELETE
    - ◉ POST
    - ○ PATCH

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

    - ○ Refactor the service, keeping the API the same

○ Subscribe your service consumers to change notifications

⦿ version your API

○ Describe your service with WSDL

8. Which of these best describes microservices?   1 point

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

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

○ a variation of SOA applied on an application scale

○ Replicating services and modifying them to fill other roles

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

☑ Testing is simple

☑ Small teams can develop microservices quickly

☑ Services can be scaled independently

☐ Performance is very good

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

☑ In XML

☐ In the HTTP header

☐ In the SOAP header

☑ In the URL

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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