

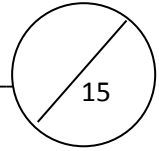
WEB API Assessment

Iteration #: _____ Date: _____

Duration: 30 mins

Name: _____

EMP ID: _____



1. REST stands for?

- a. Rich Entity System Template
- b. Rational Enterprise System Type
- c. Representational State Transfer
- d. Repeat State Type

2. Web services use which type of protocol to represent the data?

- a. HTML
- b. XML
- c. SOAP
- d. JSON

3. RESTful services use which type of protocol to represent the data?

- a. HTML
- b. TEXT
- c. JSON
- d. All of the above

4. Web API uses which application protocol to transfer the data

- a. TCP
- b. Pipe
- c. HTTP
- d. All of the above

5. WCF services uses which transport protocol to transfer the data?

- a. TCP
- b. Pipe
- c. HTTP
- d. All of the above

6. To consume a RESTful services, client needs a proxy at the client side?

- a. TRUE
- b. FALSE

7. Base class for Asp.Net MVC Web API controllers is

- a. Controller
 - b. WebController
 - c. ApiController
 - d. WebApiController
8. Web API actions map to
- a. Action methods in the controller class
 - b. HTTP methods in the protocol
 - c. Resources in your application
 - d. All of the above
9. Web API's hosting environment
- a. Within ASP.NET applications inside IIS, IIS Express, VS Web Server
 - b. Self hosted within any custom app (console, Windows Service, etc)
 - c. All of the above
 - d. None of the above

10. The following HTTP request maps to which action method?

GET <http://localhost:2112/api/Customers/ALFKI> HTTP/1.1

- a. public Customer ShowCustomer(string id) {...}
- b. public Customer RetrieveCustomer(string id) {...}
- c. public Customer GetCustomer(string id) {...}
- d. public Customer ReadCustomer(string id) {...}

11. The following HTTP request maps to which action method?

POST <http://localhost:2112/api/Customers> HTTP/1.1

- a. public Customer ShowCustomer(Customer customer) {...}
- b. public Customer RemoveCustomer(Customer customer) {...}
- c. public Customer GetCustomer(Customer customer) {...}
- d. public Customer PostCustomer(Customer customer) {...}

12. Client sends the following HTTP request to the Web API, what will be the HTTP response from the RESTful service?

GET <http://localhost:2112/api/Customers/ALFKI> HTTP/1.1

User-Agent: Fiddler

Host: localhost:2112

Accept: application/json

a.

HTTP/1.1 200 OK ...

Content-Type: application/json; charset=utf-8

Content-Length: 206

{"CustomerID":"ALFKI","CompanyName":"Alfreds Futterkiste"}

b.

HTTP/1.1 200 OK ...

Content-Type: application/json; charset=utf-8

Content-Length: 206

["CustomerID":"ALFKI","CompanyName":"Alfreds Futterkiste"]

c.

HTTP/1.1 200 OK ...

Content-Type: application/json; charset=utf-8

Content-Length: 204

"CustomerID":"ALFKI","CompanyName":"Alfreds Futterkiste"

d.

HTTP/1.1 200 OK ...

Content-Type: application/json; charset=utf-8

Content-Length: 260

<CustomerID>ALFKI</CustomerID><CompanyName>Alfreds Futterkiste</CompanyName>

13. In MVC Web API, we can plug in routing, formatters, filters, message handlers and other custom extensibility objects through this class

- a. ApiConfiguration
- b. HttpConfiguration
- c. MvcConfiguration
- d. ConfigurationApi

14. Links identify related resources and available actions on the current resource

- a. OAUTH
- b. OData
- c. HATEOAS
- d. JSON

15. PUT method of HTTP is used for

- a. Create a new resource
- b. Retrieve an existing resource
- c. Update an existing resource
- d. Delete an existing resource