

Final Exam

Total points 30

1.	Marlon is creating a web page. It's a simple page, which has a list of his current projects, a short bio about himself, and some GIF images of some of those same projects that he uploaded to the server himself. What type of web page is this?	1 point
	○ dynamic web page	
	○ web service	
	○ web app	
	static web page	
2.	Which of these examples is a web application ?	1 point
	online poker	
	a website conducting a survey	
	○ a blog	
	on online shopping platform	
3.	Which of these formats can be used to express and structure content to be sent over the internet? Choose the three correct answers:	1 point
	□ CSS	
	✓ JSON	
	▼ XML	
	✓ HTML	
4.	What are the essential parts of an HTTP request? Choose the three correct answers.	1 point
	▼ request-line	
	□ a message body	
	✓ headers	
	☑ a blank space	
5.	Which of these are essential parts of an HTTP server response? Choose the two correct answers.	1 point
	a message body	
	response-line	
	✓ status-line	
	✓ headers	

6.	Consider the following two statements about Javascript. Choose the one correct option.	1 point
	1. It can allow you to generate content within the browser	
	2. A Javascript file must be sent in addition to an HTML file	
	Only the first statement is true	
	Only the second statement is true	
	O Both statements are true	
	Neither statement is true	
7.	What is the term for the action that converts the parameters into a standardized message on the client side?	1 point
	○ invocation	
	○ binding	
	Oblocking	
	marshalling	
8.	Consider the following two statements about middleware and RPC. Choose the one correct option.	1 point
	RPC (Remote Procedure Call) is a form of middleware The IDL (Interface Definition Language) is responsible for generating stubs	
	Only the first statement is true	
	Only the second statement is true	
	Both statements are true	
	Neither statement is true	
9.	Which of these can be found in Common Object Request Broker Architecture (CORBA)? Choose the three correct answers.	1 point
	☐ client and server stubs	
	object request broker	
	☑ interface definition language	
	✓ facilities	
10	What are some disadvantages of CORBA? Choose the two correct answers.	1 point
	☐ Clients and servers must be implemented in the same language	
	✓ Implementation is difficult	
	Objects are always called remotely	
	☐ Dynamic binding is impossible	
11	.In what format are SOAP messages represented?	1 point

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 body envelope HTTP method header 13.True or False: a SOAP message must be sent over HTTP. True False 14.Which type of description will a service requester need to bind to a web service? SOAP WS-Description WSDL UDDI 15.Which section of WSDL 2.0 contains concrete information like physical ports and mapping interfaces to endpoints? portTypes interfaces services bindings 16.What does the types section of a WSDL 2.0 document allow developers to do? Pofine abstract data types Specify document-style or RPC-style interaction Specifies the type of interaction (request-response, solicit-response) 	∪ mme	
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□ invocation	17. Which aspects of web services does UDDI allow you to implement? Choose the two correct answers.	1 point
	□ invocation	

publication

~	discovery	
	composition	
18. ln of	n which section of a UDDI description will you find information like the category f business and service?	oint
•	yellow pages	
0) white pages	
0	blue pages	
0	green pages	
19. U de	Under which data structure of UDDI will you find a reference to the WSDL lescription?	oint
0	serviceInterface	
•	tModel	
0	businessEntity	
0) businessService	
	What is the difference between coordination and composition in the context of ervices? 1 p	oint
0	composition uses only objects	
•	composition exposes a combination of services as another service	
0	coordination can only be done in a synchronous way	
1. 2.	Consider the following two statements. Choose the one correct option. 1 WS-BPEL only allows you to compose services out of basic services. WS-BPEL has other features such as conditional logic and the ability to store tate.	oint
0	Only the first statement is true	
0	Only the second statement is true	
0	Both statements are true	
0	Both statements are false	
22. W	What does it mean that RESTful services are cacheable?	oint
•	the client can store a version of the server's response	
0	the server can store the state of the interaction	
0	the server can queue and prioritize requests	
0	the service logic can be stored on the client	

Choose the three correct answers.	I polit
□ WSDL	
☑ JSON	
✓ XML	
✓ simple text	
24. Which of these is a good name for a REST resource? In other words, which of these resource names follow best practices? Choose the two correct answers.	1 point
✓ /cars/2/tires	
✓ /cars/2	
☐ /getCar/2	
☐ /car/2	
25. You received an HTTP status code 201 from the server, which means that a resource was created. In a well-designed REST service, which HTTP methods did you send to the server?	1 point
O PUT	
○ GET	
POST	
○ DELETE	
26. Which of these elements in the HTTP header of a request specifies the format of the response?Content-Encoding:Host	1 point
Accept:	
○ Content-Type:	
27. What is the most important difference between WS*-style web services (which utilize SOAP, WSDL, etc.) and RESTful web services?	1 point
RESTful services are simpler	
They do not use the same transfer protocol	
Their differences are very minor	
○ WS* are more secure	
28.Where are the formats of the input and output data specified, according to REST best practices?	1 point
As parameters in the URL	
○ In the HTTP request in XML format	

 $\ensuremath{\bigodot}$ In the HTTP request in JSON format

29. What are some advantages of microservices architecture? Select the two correct answers.	1 point
Services can be developed in different languages	
☐ Good performance	
☐ No centralized management	
Scaling through replication	
30. Consider the following two statements about microservices architecture. Choose the one correct option.	
1. Communication between microservices is stateless	
2. Testing microservice architecture is complex	
Only the first statement is true.	
Only the second statement is true	
Both statements are true	
Neither statement is true	
Upgrade to submit	

O In the HTTP header