

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
	O dynamic web page	
	O web app	
	static web page	
	O web service	
2.	Which of these examples is a web application ?	1 point
	a website conducting a survey	
	on online shopping platform	
	online poker	
	O a blog	
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
	✓ JSON	
	✓ XML	
	✓ HTML	
	□ css	
4.	What are the essential parts of an HTTP request? Choose the three correct answers.	1 point
	a message body	
	☑ a blank space	
	headers	
	request-line	
5.	Which of these are essential parts of an HTTP server response? Choose the two correct answers.	1 point
	response-line	
	a message body	
	✓ status-line	
	☑ headers	
6.	Consider the following two statements about Javascript. Choose the one correct option.	1 point
	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 trueOnly the second statement is true	
	O Neither statement is 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
	Oblocking	
	marshalling	

	invocation binding	
8.	Consider the following two statements about middleware and RPC. Choose the one correct option.	1 point
	1. RPC (Remote Procedure Call) is a form of middleware	
	2. 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
	✓ object request broker ✓ facilities	
	✓ interface definition language	
	client and server stubs	
	- dientand server stabs	
10	. What are some disadvantages of CORBA? Choose the two correct answers.	1 point
	Clients and servers must be implemented in the same language	
	Dynamic binding is impossible	
	Objects are always called remotely	
	Implementation is difficult	
11	. In what format are SOAP messages represented?	1 point
	○ JSON	
	O SOAP formatting is not based on any other format	
	XML	
	O HTML	
12	. Which part of a SOAP message can be included but is NOT required?	1 point
	envelope	
	header	
	Obody	
	O HTTP method	
13	. True or False: a SOAP message must be sent over HTTP.	1 point
	○ True	
	False	
14	. Which type of description will a service requester need to bind to a web service?	1 point
	○ WS-Description	
	O UDDI	
	WSDL	
	○ SOAP	
15	Which section of WSDL 2.0 contains concrete information like physical ports and mapping interfaces to endpoints?	1 point
	interfaces	

∩ hindings

	\cup	unungs					
	0	portTypes					
	()	services					
16. What does the types section of a WSDL 2.0 document allow developers to do?							
	()	Define abstract data types					
	0	Specify document-style or RPC-style interaction					
	0	Specify which communications protocol is used (HTTP, SMTP)					
	0	Specifies the type of interaction (request-response, solicit-response)					
17.	Whi	ch aspects of web services does UDDI allow you to implement? Choose the two correct answers.	1 point				
		invocation					
	~	publication					
	✓	discovery					
		composition					
18.	In w	rhich section of a UDDI description will you find information like the category of business and service?	1 point				
	0	white pages					
	0	blue pages					
	•	yellow pages					
	0	green pages					
19.	Und	ler which data structure of UDDI will you find a reference to the WSDL description?	1 point				
	0	serviceInterface					
	()	tModel					
	0	businessEntity					
	0	businessService					
20.	Wha	at is the difference between coordination and composition in the context of services?	1 point				
	0	coordination can only be done in a synchronous way					
	0	coordination is focused on pairwise interactions					
	()	composition exposes a combination of services as another service					
	0	composition uses only objects					
21.	Con	sider the following two statements. Choose the one correct option.	1 point				
		. WS-BPEL only allows you to compose services out of basic services.	1 point				
		'S-BPEL has other features such as conditional logic and the ability to store state.					
	0	Only the first statement is true					
	•	Only the second statement is true					
	0	Both statements are true					
	0	Both statements are false					
22.		at does it mean that RESTful services are cacheable?	1 point				
	0	the service logic can be stored on the client					
	()	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					

	~	XML						
	~	simple text						
		WSDL						
	~	JSON						
24.	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.							
	_							
		/car/2						
		/cars/2						
		/getCar/2						
	Y	/cars/2/tires						
25.			1 point					
	des	igned REST service, which HTTP methods did you send to the server?						
	0	DELETE						
	0	GET						
	()	POST						
	0	PUT						
26.	Whi	ch of these elements in the HTTP header of a request specifies the format of the response?	1 point					
	O	Accept:						
	0	Content-Encoding:						
	0	Host						
	0	Content-Type:						
27.		at is the most important difference between WS*-style web services (which utilize SOAP, WSDL, etc.) and Tful web services?	1 point					
	\bigcirc	Their differences are very minor						
	_	RESTful services are simpler						
	_	WS* are more secure						
	_	They do not use the same transfer protocol						
28.	Whe	ere are the formats of the input and output data specified, according to REST best practices?	1 point					
	\cap	In the HTTP request in XML format						
	_	In the HTTP request in JSON format						
		In the HTTP header						
	_							
	O	As parameters in the URL						
29.	Wha	at are some advantages of microservices architecture? Select the two correct answers.	1 point					
		Good performance						
	~	Scaling through replication						
		No centralized management						
	~	Services can be developed in different languages						
	_							
30.			1 point					
	1	. Communication between microservices is stateless						
	2. Te	esting microservice architecture is complex						
	0	Only the first statement is true.						
	0	Only the second statement is true						
	•	Both statements are true						

O Neither statement is true

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