

✓ Congratulations! You passed!

TO PASS 70% or higher

GRADE 83.33%

Final Exam

LATEST	SUBMISSION	GRADE
000	20/	

83.33%					
1.	Son			his current projects, a short bio about himself, an to the server himself. What type of web page is th	
		✓ Correct Correct! The above descrip	tion has only static elements tha	It will be stored on the web server as a full page.	
2.	Wh	ich of these examples is a web a	application?		1 / 1 point
	•••	a website conducting a survey online poker an online shopping platform a blog			
		Correct Correct! Online games are interact with a game install		ions: users interact with them much like they wou	d
3.	cor	ich of these formats can be used rect answers: HTML	d to express and structure conte	nt to be sent over the Internet? Choose the three	1/1 point
		✓ Correct Correct! HyperText Markup	Language is used to structure c	ontent for web pages.	
	~	JSON			
		objects.	√otation is popular because it is l	lightweight and can easily be converted into Java	
	~	XML			
		Correct Correct! eXtended Markup for many other standards.	Language can be used to structu	ure content in many different ways and is the basi	5
		CSS			
4.	Wh	at are the essential parts of an H	HTTP request? Choose the three	correct answers.	1/1 point
	~	a blank space			
		Correct Correct! The blank space is	required in an HTTP request		
		a message body request-line			
	_				
		Correct Correct! The request-line in protocol.	icludes the request method (sucl	h as POST or PUT), the request URI, and the	
	~	headers			

Correct! At the least, the headers will include host information (like IP address or domain name) and the content that the requester will accept.

5.	Which of these are essential parts of an HTTP server response? Choose the two correct answers.	1/1 point
	✓ status-line	
	✓ Correct	
	Correct! The status line will give the HTTP status code. If the request is successful then this will likely be "200 OK"	
	a message body	
	response-line	
	☑ headers	
	Correct Correct! Just like in the request, there are headers to give information about the response.	
6.	Consider the following two statements about Javascript. Choose the one correct option.	1 / 1 point
	I. It can allow you to generate content within the browser A Javascript file must be sent in addition to an HTML file	
	Only the first statement is true	
	Only the second statement is true	
	Both statements are true	
	Neither statement is true	
	✓ Correct	
	Correct! Style and content can be generated within the browser, reducing interactions with the server.	
7.	What is the term for the action that converts the parameters into a standardized message on the client side?	1 / 1 point
	marshalling	
	blocking	
	Invocation	
	Correct Correct! This is called marshalling.	
8.	Consider the following two statements about middleware and RPC. Choose the one correct option.	0 / 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	
	Incorrect Incorrect. The IDL is responsible for generating stubs!	
9.	Which of these can be found in Common Object Request Broker Architecture (CORBA)? Choose the three correct	1 / 1 point
	answers.	
	☑ Interface definition language	
	✓ Correct	
	Correct! Just like RPC, CORBA has an IDL.	
	✓ facilities	
	✓ Correct	
	Correct! Facilities provide application-level services like document management.	
	client and server stubs	
	object request broker	
	✓ Correct	
	Correct! This is an important part of the architecture.	

10. What are some disadvantages of CORBA? Choose the two correct answers.	1 / 1 point
✓ Implementation is difficult	
✓ Correct	
Correct! Limited time and resources may make CORBA difficult to implement properly.	
Clients and servers must be implemented in the same language	
✓ Objects are always called remotely	
Correct Correct! This is a problem if objects are local to one another, since it is an unnecessary overhead.	
Dynamic binding is impossible	
11. In what format are SOAP messages represented?	1 / 1 point
SOAP formatting is not based on any other format	
XML JSON	
HTML	
Correct Correct SOAP, like all of the W5* web services, is based on XML.	
Correct SOAP, like all of the WS" web services, is based on AML.	
13. Which can be \$5000 processes as he included but it NOT provided?	
12. Which part of a SOAP message can be included but is NOT required? header	0 / 1 point
envelope	
body	
HTTP method	
Incorrect Incorrect. SOAP messages do not contain HTTP methods!	
13. True or False: a SOAP message must be sent over HTTP.	1 / 1 point
○ True	
False	
Correct Correct Other protocols such as SMTP (email) or FTP can be used.	
14. Which type of description will a service requester need to bind to a web service?	1/1 point
○ SOAP	
○ WS-Description	
○ UDDI	
■ WSDL ■	
✓ Correct	
Correct! WSDL describes the interface so that a service requester can bind to it.	
15. Which section of WSDL 2.0 contains concrete information like physical ports and mapping interfaces to endpoints?	0 / 1 point
bindings	
services	
services portTypes	
services	
services portTypes interfaces ! Incorrect	
services portTypes interfaces	
services portTypes interfaces Incorrect Incorrect. The interfaces section is abstract; it only describes what operations can be performed.	
services portTypes interfaces Incorrect Incorrect. The interfaces section is abstract; it only describes what operations can be performed.	0/1 point
services portTypes interfaces Incorrect Incorrect. The interfaces section is abstract; it only describes what operations can be performed.	0/1 point

 $\begin{tabular}{ll} \hline \end{tabular} \begin{tabular}{ll} Specifies the type of interaction (request-response, solicit-response...) \end{tabular}$

	Correct Correct! A server can specify that a response is cacheable which means the client will store a local version of it in case of a duplicate response.	
23. Which	of these formats can be used within the invocation of a REST service? Choose the three correct answers.	1 / 1 point
~	Correct Correct JSON is an acceptable and widely used format for passing information to and from a REST service.	
✓ sir	nple text	
~	Correct Correct! Even simple text works for REST services as long as the client and server both understand it.	
□ W	SDL /IL	
✓	Correct CorrectI XML can definitely be used for passing information to and from a REST service.	
	of these is a good name for a REST resource? In other words, which of these resource names follow best practices?	1/1 point
∠ /ca	e the two correct answers.	
~	Correct Ve recommend using plural names for your resources for consistency.	
	etCar/2	
✓ /ca	ars/2/tires	
~	Correct! Sub-resources can show the relationship between resources.	
	ceived an HTTP status code 201 from the server, which means that a resource was created. In a well-designed REST , which HTTP methods did you send to the server?	1 / 1 point
O PU	л	
O DE	ELETE	
✓	Correct Correct! POST is usually used to create a new resource in RESTful web services.	
	of these elements in the HTTP header of a request specifies the format of the response?	1 / 1 point
Он		
Ac	ontent-Type: cept:	
✓	Correct CorrectI This field specifies what kind of content will be understood by the client.	
7. What is	s the most important difference between WS*-style web services (which utilize SOAP, WSDL, etc.) and RESTful web	1/1 point
	S* are more secure ey do not use the same transfer protocol	
○ Th	eir differences are very minor	
	STful services are simpler	
	Correct Correct! RESTful services do not impose as many restrictions on the data format, etc., and use simple HTTP methods. Be careful, though, as both styles of web services may become complex.	

28. Where are the formats of the input and output data specified, according to REST best practices?		
As parameters in the URL		
○ In the HTTP request in XML format		
○ In the HTTP request in JSON format		
In the HTTP header		
Correct Correct! The HTTP header can specify the format of the request and what kind of response it will understand in the response from the server.		
29. What are some advantages of microservices architecture? Select the two correct answers. Services can be developed in different languages	1/1 point	
Correct Correct! This allows developers to use the best tools for the job, and even to try new languages in some parts of the software.		
☐ No centralized management		
Scaling through replication		
Correct Correct! Scaling can be achieved through replication of services, and this scaling can be done independent of other services.		
Good performance		
30. Consider the following two statements about microservices architecture. Choose the one correct option. 1. Communication between microservices is stateless	1/1 point	
Communication between microservices is stateless 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		
Correct Correctl Both of these statements are correct.		