**Module 1 Review**

**TOTAL POINTS 12**

**1.Question 1**

**You are probably using the internet to do some of your personal banking. There is a page that shows your accounts and their balances, often called something like "Account Summary" or "Account Overview." You must click on an account to begin managing it. Which type of web page is this?**



web service



web app



dynamic web page



static web page

1 point

**2.Question 2**

**Another web page allows interacting with a spreadsheet in a browser. You can enter in values, sum them up, perform operations on them, format them, etc. What type of web page is this?**



web app



web service



dynamic web page



static web page

1 point

**3.Question 3**

**Consider the two statements. Choose the one correct option.**

1. **JSON is a markup language**

**2. JSON can easily be converted into a Javascript object**



Neither statement is correct



Both statements are correct



Only the second statement is correct



Only the first statement is correct

1 point

**4.Question 4**

**Which of these is NOT a basic standard of the World Wide Web?**



TCP



FTP



URL



HTTP

1 point

**5.Question 5**

**There is an HTTP method that allows you to send, create or update a resource, but allows the server to decide its location and identity. Which HTTP method is this?**



PUT



SEND



GET



POST

1 point

**6.Question 6**

**Which of these is often used to add dynamic content to a web page?**



HTML DOM



CSS



HTML



Javascript

1 point

**7.Question 7**

**What are the three high-level components involved in a remote procedural call?**



client, server, interface definition language



client stub, compiler, server stub



marshal, client, server



IDL source code, IDL compiler, interface headers

1 point

**8.Question 8**

**The process of establishing a connection between the client stub and server stub is called…**



interfacing



handshaking



marshalling



binding

1 point

**9.Question 9**

**What are the advantages of Common Object Request Broker Architecture (CORBA)? Choose the two correct answers.**



It allows for object-oriented paradigms in distributed computing



Method calls can be treated locally or remotely



Objects are essentially independent of their physical or virtual location.



Dynamic binding is simple

1 point

**10.Question 10**

**Which of these are desirable characteristics of a web service? Select the three correct answers.**



platform-independent



composable



simple



modular

1 point

**11.Question 11**

**Which of these responsibilities does the client stub have in a middleware-based architecture that uses RPC? Choose the three correct answers.**



Invoking the server application directly



Invoking the remote procedure call over the network



Establishing a connection with the server



Formatting and encoding data into standardized messages

1 point

**12.Question 12**

**What is the main difference between a web service and a web application?**



Web applications are presented through a browser



Web applications dynamically generate content



Web services are simpler



Web services are mostly meant for business applications

1 point

**Due** Sep 29, 11:59 PM PDT

**Try again once you are ready**

**TO PASS**70% or higher

Try again

**GRADE**

50%

**Module 1 Review**

**LATEST SUBMISSION GRADE**

50%

**1.Question 1**

**You are probably using the internet to do some of your personal banking. There is a page that shows your accounts and their balances, often called something like "Account Summary" or "Account Overview." You must click on an account to begin managing it. Which type of web page is this?**



web service



web app



dynamic web page



static web page

**Incorrect**

Incorrect. Web apps are characterized by having graphical user interfaces with which users can interact.

**0 / 1 point**

**2.Question 2**

**Another web page allows interacting with a spreadsheet in a browser. You can enter in values, sum them up, perform operations on them, format them, etc. What type of web page is this?**



web app



web service



dynamic web page



static web page

**Incorrect**

Incorrect. Although this page is "dynamic" in the sense that it changes, in this example it even goes a step further by allowing it to change a lot through interaction with the user

**0 / 1 point**

**3.Question 3**

**Consider the two statements. Choose the one correct option.**

1. **JSON is a markup language**

**2. JSON can easily be converted into a Javascript object**



Neither statement is correct



Both statements are correct



Only the second statement is correct



Only the first statement is correct

**Correct**

Correct! Javacript Object Notation can easily be converted into a Javascript object, and vice versa.

**1 / 1 point**

**4.Question 4**

**Which of these is NOT a basic standard of the World Wide Web?**



TCP



FTP



URL



HTTP

**Correct**

Correct! The World Wide Web is that part of the internet that is characterized by the interlinking of hypertext documents. FTP also uses the internet, but is instead focused on discrete files.

**1 / 1 point**

**5.Question 5**

**There is an HTTP method that allows you to send, create or update a resource, but allows the server to decide its location and identity. Which HTTP method is this?**



PUT



SEND



GET



POST

**Incorrect**

Incorrect. The PUT method specifies the location at which the resource is updated.

**0 / 1 point**

**6.Question 6**

**Which of these is often used to add dynamic content to a web page?**



HTML DOM



CSS



HTML



Javascript

**Correct**

Correct! Using Javascript and the <script> tag in your HTML document can allow you to quickly add some scripted functionality to be processed client-side

**1 / 1 point**

**7.Question 7**

**What are the three high-level components involved in a remote procedural call?**



client, server, interface definition language



client stub, compiler, server stub



marshal, client, server



IDL source code, IDL compiler, interface headers

**Correct**

Correct! The client and server send and receive communication, but the IDL defines what procedures are available and how they are formatted.

**1 / 1 point**

**8.Question 8**

**The process of establishing a connection between the client stub and server stub is called…**



interfacing



handshaking



marshalling



binding

**Incorrect**

Incorrect. Marshalling is the process of putting together the parameters in preparation for sending an RPC.

**0 / 1 point**

**9.Question 9**

**What are the advantages of Common Object Request Broker Architecture (CORBA)? Choose the two correct answers.**



It allows for object-oriented paradigms in distributed computing

**Correct**

Correct. This is a chief advantage of CORBA and the reason it was developed.



Method calls can be treated locally or remotely



Objects are essentially independent of their physical or virtual location.

**Correct**

Correct! Objects can be accessed wherever they are in CORBA



Dynamic binding is simple

**This should not be selected**

Incorrect. Dynamic binding is not simple, since it can be very time consuming to come up with sufficient semantic rules to cover all the possible cases with respect to the connection between two objects.

**0 / 1 point**

**10.Question 10**

**Which of these are desirable characteristics of a web service? Select the three correct answers.**



platform-independent

**Correct**

Correct! A key part of delivering services over the web is dealing with the many different platforms that access the web.



composable

**Correct**

Correct! Web services should be composable. In other words, they can be combined and offered as new services.



simple

**This should not be selected**

Incorrect. Sometimes it may be desirable for a web service to be simple, sometimes not. It depends on the application.



modular

**Correct**

Correct! It is important for web services to be modular, and this is built into the specifications and standards that make them up.

**0 / 1 point**

**11.Question 11**

**Which of these responsibilities does the client stub have in a middleware-based architecture that uses RPC? Choose the three correct answers.**



Invoking the server application directly



Invoking the remote procedure call over the network

**Correct**

Correct! Just as it opens up a connection with the server, it also send a request to it.



Establishing a connection with the server

**Correct**

Correct! The client stub opens up a connection with the server.



Formatting and encoding data into standardized messages

**Correct**

Correct! This is called marshalling.

**1 / 1 point**

**12.Question 12**

**What is the main difference between a web service and a web application?**



Web applications are presented through a browser



Web applications dynamically generate content



Web services are simpler



Web services are mostly meant for business applications

**Correct**

Correct! A web application is just like a desktop application but presented through a browser with most of the logic executed remotely. Web services are not presented through a browser.

**1 / 1 point**

**Module 1 Review**

**LATEST SUBMISSION GRADE**

83.33%

**1.Question 1**

**You are probably using the internet to do some of your personal banking. There is a page that shows your accounts and their balances, often called something like "Account Summary" or "Account Overview." You must click on an account to begin managing it. Which type of web page is this?**



web app



dynamic web page



static web page



web service

**Incorrect**

Incorrect. A web service is not a type of web page, as you will learn during this course!

**0 / 1 point**

**2.Question 2**

**Another web page allows interacting with a spreadsheet in a browser. You can enter in values, sum them up, perform operations on them, format them, etc. What type of web page is this?**



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dynamic web page



web service



static web page

**Correct**

Correct! Web apps are very similar to desktop apps except they are accessed through the browser and stored in a remote web server.

**1 / 1 point**

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**5.Question 5**

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SEND



PUT



GET



POST

**Correct**

Correct! As opposed to the PUT method, the web server can decide where to create or update the resource in question.

**1 / 1 point**

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**1 / 1 point**

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handshaking



binding



interfacing



marshalling

**Incorrect**

Incorrect. The RPC interfaces are important to the interaction, but interfacing is not a verb we use here in a technical sense!

**0 / 1 point**

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**1 / 1 point**

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**1 / 1 poi**