



Congratulations! You passed!

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Module 1 Review

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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?

1 / 1 point

- ☐ web app
- ☐ web service
- ☒ dynamic web page
- ☐ static web page



Correct

Correct! It queries the information it needs and builds the page on the fly from a template.

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?

1 / 1 point

- ☐ web service
- ☒ web app
- ☐ static web page
- ☐ dynamic 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.

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

1 / 1 point

1. JSON is a markup language
2. JSON can easily be converted into a Javascript object

- ☐ Both statements are correct
- ☐ Only the first statement is correct
- ☒ Only the second statement is correct
- ☐ Neither statement is correct



Correct

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

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

1 / 1 point

- ☐ HTTP
- ☐ TCP
- ☐ URL
- ☒ FTP



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.

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?

1 / 1 point

- ☐ SEND
- ☒ POST
- ☐ PUT
- ☐ GET



Correct

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

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

1 / 1 point

- ☒ Javascript
- ☐ HTML DOM
- ☐ CSS
- ☐ HTML

✓ 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

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

1 / 1 point

- ☐ IDL source code, IDL compiler, interface headers
- ☒ client, server, interface definition language
- ☐ client stub, compiler, server stub
- ☐ marshal, client, server

✓ Correct

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

8. The process of establishing a connection between the client stub and server stub is called...

0 / 1 point

- ☐ handshaking
- ☒ marshalling
- ☐ binding
- ☐ interfacing

! Incorrect

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

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

1 / 1 point

- ☒ Objects are essentially independent of their physical or virtual location.

✓ Correct

Correct! Objects can be accessed wherever they are in CORBA

- ☒ 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
- ☐ Dynamic binding is simple

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

0 / 1 point

- ☐ platform-independent
- ☒ 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.

- ☐ simple
- ☒ composable

✓ Correct

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

You didn't select all the correct answers

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

0 / 1 point

- ☐ Invoking the remote procedure call over the network
- ☒ Formatting and encoding data into standardized messages

✓ Correct

Correct! This is called marshalling.

☒ Invoking the server application directly

! This should not be selected

Incorrect. The client stub interfaces with the server stub through the interface definition language.

☒ Establishing a connection with the server

✓ Correct

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

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

1 / 1 point

- ☐ Web applications dynamically generate content
- ☐ Web services are mostly meant for business applications
- ☐ Web services are simpler
- ☒ Web applications are presented through a browser

✓ 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.