Mylinh Phan

IT116 Exercise 1: Web Technology Fundamentals

[Understanding How The Web Works  (Links to an external site.)](https://www.linkedin.com/learning/web-development-foundations-web-technologies/understanding-how-the-web-works)  (2:37)  Web Technology Fundamentals - James Williamson

1. What are clients?

-A client is hardware device or software on the computer that can access a service that’s available by a server.

[Working with clients and servers  (Links to an external site.)](https://www.linkedin.com/learning/web-development-foundations-web-technologies/working-with-clients-and-servers) (2:38)  Web Technology Fundamentals - James Williamson

1. When we type in a URL, the request does not typically go first to the webserver.  Where does it go?

-When we type in a URL it first goes to check for the corresponding IP address in the DNS system.

1. [True or False] In response to a web request, all required files are sent at the same time.

**-True**

[The DNS and why it matters  (Links to an external site.)](https://www.linkedin.com/learning/web-development-foundations-web-technologies/the-dns-and-why-it-matters) (4:41)  Web Technology Fundamentals - James Williamson

1. [Critical Thinking] Why is it important to understand DNS when helping a client change hosting companies?

-It is important to understand DNS when helping a client change hosting companies because each device connected to the internet holds a unique IP address that corresponds with a unique domain name. The DNS server helps humans in which we do not have to memorize the IP addresses. It is harder for us to memorize numbers rather than name.

[Internet Protocols  (Links to an external site.)](https://www.linkedin.com/learning/web-development-foundations-web-technologies/internet-protocols) (2:33) Web Technology Fundamentals - James Williamson

1. Which layer has protocols like HTTP, FTP, and SMTP?

-Application Layer

[Exploring HTTP  (Links to an external site.)](https://www.linkedin.com/learning/web-development-foundations-web-technologies/exploring-http)  (4:13)  Web Technology Fundamentals - James Williamson

1. What does the author mean when he says HTTP is a **stateless**protocol?

-What the author means when he says HTTP is a stateless protocol is that when a request has been sent and received it then gets thrown away and forgotten by the web and browser server.

[Anatomy of a URL  (Links to an external site.)](http://www.lynda.com/Web-Web-Foundations-tutorials/Anatomy-URL/158666/158680-4.html)  (7:13)  Web Technology Fundamentals - James Williamson

1. [Critical Thinking] What is the purpose of a subdomain?

-The purpose of a subdomain is to allow server to locate unique sites.

[How browsers work  (Links to an external site.)](https://www.linkedin.com/learning/web-development-foundations-web-technologies/how-browsers-work)   (4:32)  Web Technology Fundamentals - James Williamson

1. Which rendering engine is based on WebKit and used under the hood to develop Chrome?

-Blink

[Web standards and the W3C  (Links to an external site.)](https://www.linkedin.com/learning/web-development-foundations-web-technologies/web-standards-and-the-w3c) (3:46)   Web Technology Fundamentals - James Williamson

1. [Critical Thinking] Why are web standards important to web developers?

The importance of web standards to web developers is so that multiple browsers and devices will have a consistent design and user experience instead of inconsistency and the need to battle for market dominance. Everyone is on the same page.

[Web server basics  (Links to an external site.)](https://www.linkedin.com/learning/web-development-foundations-web-technologies/web-server-basics) (3:02)   Web Technology Fundamentals - James Williamson

1. [Critical Thinking] What is the LAMP stack?

-LAMP stack is a stack of software that all works together to serve and process web pages, which includes Linux, Apache, MySQL, and PHP.

11) [Critical Thinking] Why is it important to know what stack is being used by your host?

-It is important to know what stack is being used by your host because you want to make sure it works. Depending on what you’re hosting, the servers need to match. The web server should have that in it’s stack.