# "**Web Development Foundations**" (WDF) by James Williamson

## Introduction To The Web

[Understanding How The Web Works](http://www.lynda.com/Web-Web-Foundations-tutorials/Understanding-how-web-works/158666/158675-4.html) (2:37)

1. **What are clients?**

ANSWER: Clients are requested web contents, by browsers, mobile apps, screen readers, content aggregators.

[Working with clients and servers](http://www.lynda.com/Web-Web-Foundations-tutorials/Working-clients-servers/158666/158676-4.html) (2:38)

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

ANSWER: Goes to DNS server first, than translate to url into IP address and send to browser and a request to web server.

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

ANSWER: True

[The DNS and why it matters](http://www.lynda.com/Web-Web-Foundations-tutorials/DNS-why-matters/158666/158677-4.html) (4:41)

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

ANSWER: If the DNS isn’t assigned properly when I register my site or for my client, no one is going to find the web sites. Purpose of showing a browser in my concept, giving clients or any others for the information, but if the website doesn’t show up, that’s the big problem.

[Exploring HTTP](http://www.lynda.com/Web-Web-Foundations-tutorials/Exploring-HTTP/158666/158679-4.html) (4:13)

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

ANSWER: HTTP is so successful for the web. Its simple and efficient protocol. Moreover, author means by HTTP is a stateless protocol as once a request has been sent and received it’s discarded and forgotten by both browser and the web server.

[Anatomy of a URL](http://www.lynda.com/Web-Web-Foundations-tutorials/Anatomy-URL/158666/158680-4.html) (7:13)

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

ANSWER: Allowing the servers to identify unique sites or unique areas of contents. Moreover, without typing subdomain, some URL goes to right URL but some not. So just have to be make sure about that it allows it or not. In my conception, instead of creating URL without subdomain, just creating URL with subdomain will be good for the future.

[How browsers work](http://www.lynda.com/Web-Web-Foundations-tutorials/How-browsers-work/158666/158681-4.html) (4:32)

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

ANSWER: Apple, Google, Nokia and etc… Author said that it powers browsers such as Apple’s Safari browser. Also, the Blink is a rendering engine that’s based on WebKit, but it’s being developed separately by Google.

[Web standards and the W3C](http://www.lynda.com/Web-Web-Foundations-tutorials/Web-standards-W3C/158666/158682-4.html) (3:46)

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

ANSWER: Web standards from different browsers, contain and supported different browsers with cooler capabilities. So, for example, chrome might have some good capabilities, when IE browser don’t have it. Therefore, web developers or any web designers are mostly caring about the web standards and browsers in my understanding from the video.

[Web server basics](http://www.lynda.com/Web-Web-Foundations-tutorials/Web-server-basics/158666/158683-4.html) (3:02)

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

ANSWER: Using Linux, Apache, MySQL, and PHP to operating my system, web server, database and programming languages.

1. **[Critical Thinking] Why is it important to know what stack is being used by your host?**

ANSWER: To process my web pages. If my web server doesn’t have its stack, won’t work at all.

## Front End Technology

[Front end design](http://www.lynda.com/Web-Web-Foundations-tutorials/Front-end-design/158666/158685-4.html) (3:11)

1. **[True or False] According to our author, front end design is commonly associated with the server.**

ANSWER: False

1. **What are the three languages the author associates with front end design?**

ANSWER: HTML, CSS and JavaScript

[HTML the language of the web](http://www.lynda.com/Web-Web-Foundations-tutorials/HTML-language-web/158666/158686-4.html) (3:54)

1. **[Critical Thinking] Why was HTML5 created?**

ANSWER: To create the web server as designated and easily, variable.

[Structuring HTML](http://www.lynda.com/Web-Web-Foundations-tutorials/Structuring-HTML/158666/158687-4.html) (4:22)

1. **[Critical Thinking] What does the <head> of an HTML document contain?**

ANSWER: Non-visible files, such as css file or meta tags which contains the keyword or page descriptions.

[Controlling presentation through CSS](http://www.lynda.com/Web-Web-Foundations-tutorials/Controlling-presentation-through-CSS/158666/158688-4.html) (4:22)

1. **[Critical Thinking] What does the term cascade mean?**

ANSWER: presentational language to control the HTML files. For example, designed the HTML file in well developed. HTML called the id of something and cascade sheet can developed the position or size or colors.

1. **What’s the benefit of using a separate file to store your CSS?**

ANSWER: Different type rules of writing in HTML and CSS can be separated in different files. So, it can easily be fixed, see and find.

1. **In CSS, what separates a property from a value?**

ANSWER: By colons and semicolon.

[Client side scripting with JavaScript](http://www.lynda.com/Web-Web-Foundations-tutorials/Client-side-scripting-JavaScript/158666/158689-4.html) (4:40)

1. **[Critical Thinking] What is the purpose of JavaScript?**

ANSWER: In my conception of this chapter, JavaScript help to create variable sites and convenient way. For example, when people scrolling down their own web server, and trying to go further up again, people have to scrolling up again. But if you set a function makes go to top, by just one click, it will be more clearable sites and convenient to clients.

[Common image types](http://www.lynda.com/Web-Web-Foundations-tutorials/Common-image-types/158666/158690-4.html) (5:31)

1. **Which 2 types of graphics support transparencies?**

ANSWER: it’s GIFs and PNGs types.

1. **Which type of image scales without any loss in quality?**

ANSWER: its SVGs type.