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

***\* Please watch this short video if you're using a Linkedin account,*** [***http://goo.gl/AMVa6i***](http://goo.gl/AMVa6i)

## 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?**

Clients are the devices that request and render web content.

[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: Dns server

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

ANSWER: False

[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: This is important both for ownership of the website and also making sure your page is linked to its correct dns

[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: Request are discarded of after being sent and received which makes it simple and efficient.

[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:

[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: Android

[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: It simplifies greatly the work needed to having to design a site specific for each browser.

[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: Lamp is the mostly commonly used web stack for web servers.

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

ANSWER: This is important because you want to make sure all of your web content can be read and processed without issues.

## 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 Js

[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: This is because it incorporated backwards compatibility

[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: Contains non visual elements that helps the page work such as css.

[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: Cascade refers to how the styles are applied to pages.

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

ANSWER: This makes it more effiient

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

ANSWER: colons

[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: Adds functionality and interactivity to a website by allowing designers to create interactive elements, dynamic menus.

[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: png and

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

ANSWER:

svg