

- Internet Connection Allows you to send and receive data on the web.
 TCP/IP Transmission Control Protocol and Internet Protocol are communication protocols that define how data travel across the web.
 DNS Domain Name Servers are address book for websites. (For example, a famous DNS server would be 8.8.8.8 and these days it is 1.1.1.1)
- HTTP Hypertext Transfer Protocol is an application protocol that defines a language for clients and servers to speak to each other.
- clients and servers to speak to each other.

 Component Files Two main types.

 Code Files: Websites are primarily built from HTML, CSS, and JavaScript. For FIT5032, you will learn how to use C# as well. (Together, with it you will be introduced to the .NET framework)

 Assets: This is the collective name for the other stuff that makes up a website, such as images, music, video, word documents, pdf and etc.





So what happens?

When you type a web address into your browser, for example www.monash.edu:

- The browser goes to the DNS server, and finds the real address of the server that the website lives on.
- website lives on.

 2. The browser sends a HTTP request to message to the server, asking it to send a copy of the website to the client. This message is sent across your internet connection using TCP/IP.
- 3. The server approves of the clients request, and sends a 200 OK meaning that the client can take a look at the website. The server then starts sending packets to the client.
- The browser assembles these packets and complete them into a website and displays it to you.



HTML Standards

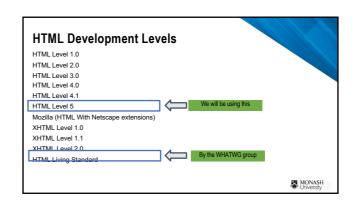


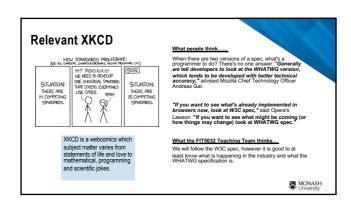
HTML is constantly undergoing changes and development.

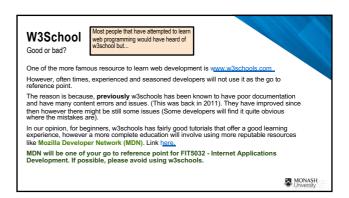
Just as there are standards for programming languages, HTML has standards too

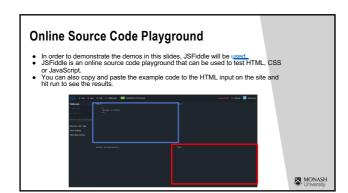
- HTML standards is defined by a group of people drawn from various groups interested in the development of the web. This is called working group.
 One of the main players is the World Wide Web Consortium (W3C), however in the recent years, the Web Hypertext Application Technology Working Group (WHATWG) has taken over in popularity as with any competing standards. There are often disagreements within interested parties. The WHATWG has popularized their Living Standard which has become one of the go to standards in the recent years.
 The main reason this happened is because of a disagreement regarding how HTML5 standards should evolve.
 In recent news, Apple, Mozilla and Microsoft VS W3C.
 Also, please note that the W3C working group has no relation with w3school.

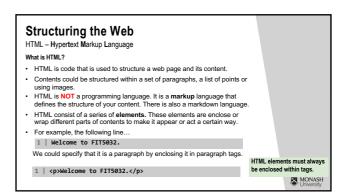


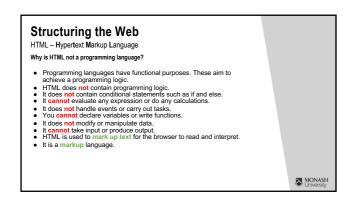


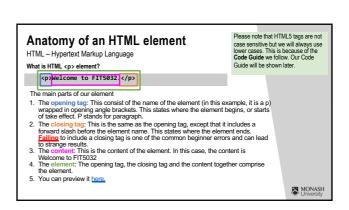


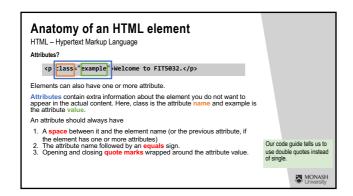


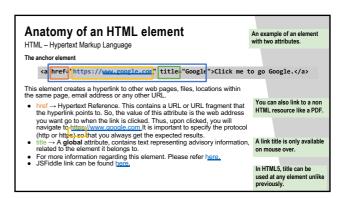


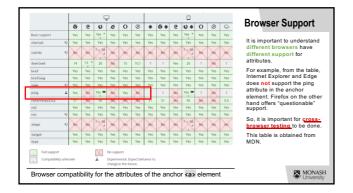


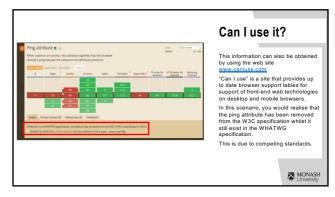


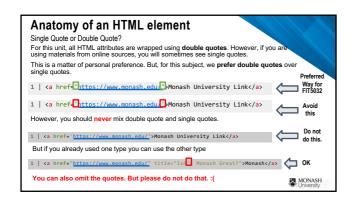


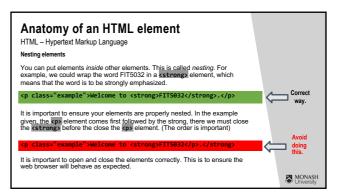


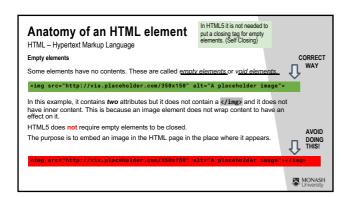


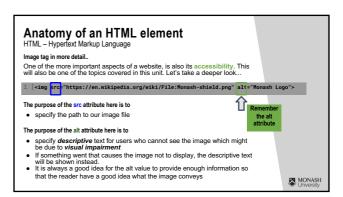


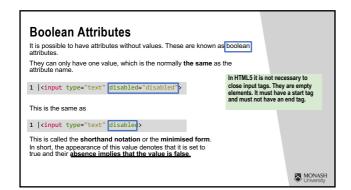


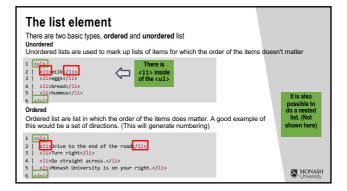


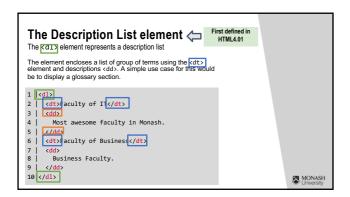


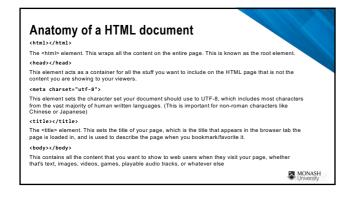


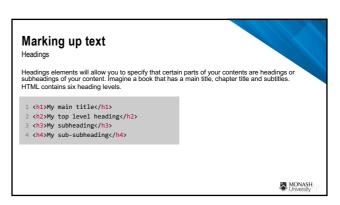


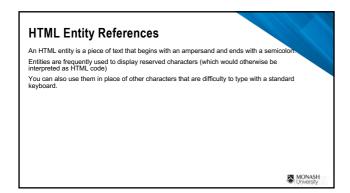


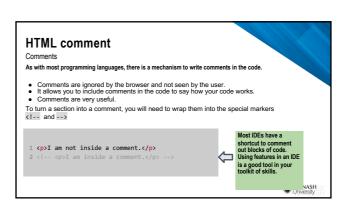


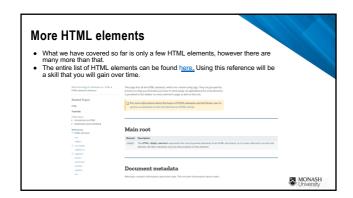


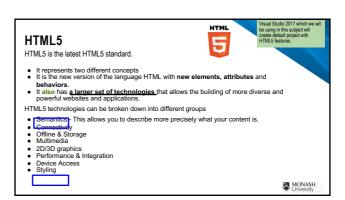


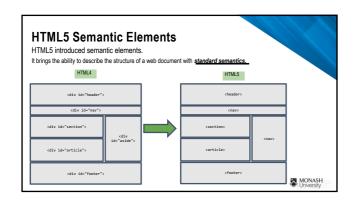


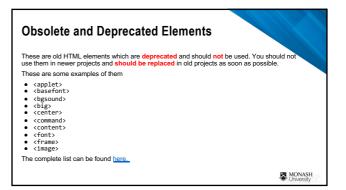


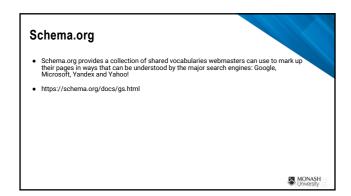


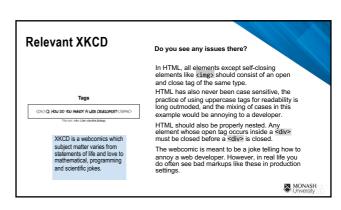


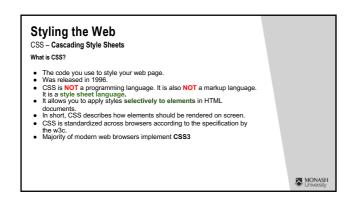


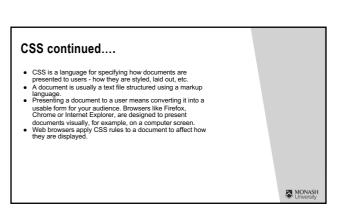


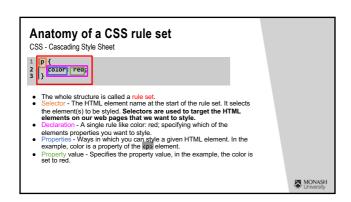


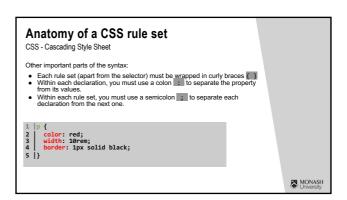




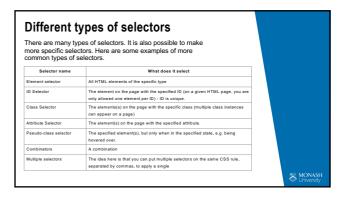


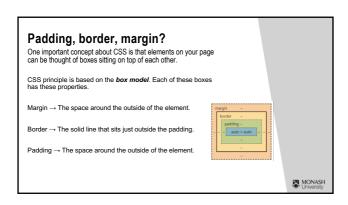


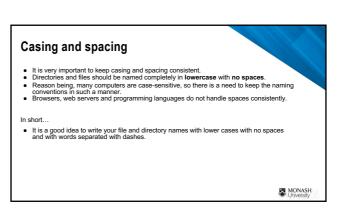












Our Code Guide (Coding Convention)

- FIT5032 Internet Application Development follows the Code Guide by Mark Otto.
 The Code Guide is a project for documenting standards for developing flexible, durable and sustainable HTML and CSS.
 The Code Guide here only applies to HTML and CSS.
 It can be found here.

Snippets from the Code Guide

Every line of code should appear to be written by a single person, no matter the number of contributors.



References

https://developer.mozilla.org/en-US/docs/Learn/Getting started with the web/CSS basics

