Stage 1

# What is the World Wide Web?

The World Wide Web is comprised of billions of HTML pages. It contains every kind of file you can think of. The World Wide Web is comprised of your browser, which connects to the Internet by communicating with servers using a protocol called HTTP. Servers are just computers and HTTP is just a protocol that your browser uses to communicate with the server.

HTTP (HyperText Markup Language )- The main protocol of the web

Servers – Computers that host the files that make up the web

Internet – the world’s largest computer network.

Browser – a program that runs on your computer to display files found on the web

# HTML

**HTML Tags**

Tags are instructions on how your page should be structured and are obvious within the code as they are enclosed in “<>”. Text after a tag is affected all the way through until a closing tag is hit “</>”. Below are some examples.

**b** is a tag that indicates anything enclosed should be **bold**.

**em** indicates *italic* text.

Some tags have attributes, which in turn have values. For example

<TAG ATTR=”value”>Contents</TAG>

<a href=”[www.reddit.com](http://www.reddit.com)”>derp</a>

<a>=anchor which is a tag but href is an attribute that creates links. The link above would say “derp” and link to [www.reddit.com](http://www.reddit.com)

<img src=”url” alt=”text”>

<img> tags don’t have a closing tag. The alt attribute provides a message when the link fails.

<br> - line break. Like the <img> tag it is a void tag, doesn’t require a closing tag. This is an inline tag.

<p> </p> - Paragraph tag and is not a void tag. This causes formatting sometimes. This tag is what’s known as a block.

Inline elements are just text while block elements create a dimensional space which can later be configured.

The following tags are container elements which simply contain their stuff

<span></span> - inline element

<div></div> - block element

HTML document structure

<!DOCTYPE HTML> - doctype

<html> - opening html tag let’s you know it’s all html

<head> metadata, javascript, and CSS

<title>Title! </title>

</head>

<body>

all the interesting stuff happens here!

</body>

</html>

This course mostly focuses on the body section