CFG

Html/ css/ javascript

Internet built up by hardware – computers connected together – server = computer that serves smth

Web = software you use to access the internet

Browser/ email/ IM

^these are the clients of the web

Server = computer holding web pages, sites and applications – our computer requests a webpage from the computer a webpage is sat on, then the computer responds with the webpage – everything is requests and responds

2 types of websites:

* Static

Prepared

Always same

Can do just with front end

* Dynamic

Generated on the fly – always changing when you refresh (fb etc)

Pulls data from a database

In order to have a dynamic website you need a server

Putting up a website

* Hosting

Need a server to host your website – need to buy a server/ computer that is on all the time – if you have website on laptop and turn it off website will break – eg github pages is a free hosting server for static pages

* Domain

Domain name to point towards

What makes a website?

Multiple webpages all linked together –

Home page on every website = index.html

The components of a web page

* Html: words, backbone of website
* CSS: defines style of website/ how it looks – don’t need but aesthetic
* JavaScript: scripts on page/ how user can interact with page
* Media: images, video audio, etc. – entertainment

Hyper Text Markup Language / HTML

Creating a basic html page

Need a text editor:

<h1> = heading – main heading

6 different h tags

<h1>Hello world</h1> = shown on page “level 1 heading”

Tags can go inside tags

Attribute goes inside opening tag

Image tag = doesn’t need to be closed, only closed if that have content inside – specify where it gets image from with an attribute – it will download image with the attribute you use alt= is alternate text if it can’t find an image

<p>This is my first website!</p> subheading

<p>I am learning to <code>code</code>. </p>

Attributes

Don’t put spaces either side of = sign

<tag attribute=”value”>

<div class-“image”> div tag is just a way for you to structure page, not shown as anything unless we tell them to

<a href=[www.link.com](http://www.link.com)> href determines where link goes?

<img ..

Html dom- document object model

<!DOCTYPE html> - this is an html document

<html>

<head> head describes about page, not shown – ie type of tab bar

<body> stuff we put in body will appear on page

Tag inside a tag, on a new line and indented

<em> tag

Have to open / close tags in right order eg div / p / em/ p / div

Text editor will help