HTML

HTML File Paths

* Absolute:
* An absolute file path is the full URL to an internet file
* Relative:
* A relative file path points to a file relative to the current page

Basic HTML Layout:

* !DOCTYPE html 🡪 **HTML – opening tag**
* Head
* Body
* Header
* Main
* Footer
* **HTML – closing tag**

Layout Techniques:

There are four different ways to create multicolumn layouts. Each way has its pros and cons:

* HTML tables (not recommended)
* CSS float property
* CSS flexbox
* CSS framework

Responsive Design Methods:

* Frameworks – Bootstrap, CSS.3
* Media Queries – \*Without these you will not be able to set a break point\*
* Using percentages rather than pixels when setting – padding, margin, font size, etc.
* Using the Fab Four Technique – calc(), width(), min-width, max-width
* RESEARCH FURTHER
* Apparently can use this technique to set a single break point ??
* Using the Flex-box w/ Flex-wrap

CSS

Sticky footer:

* Wrap all main content of page
* Min-height: prevents value of height property from becoming smaller than the min-height specified

CSS Box Sizing – Box-Sizing Property:

* Allows you to include the padding and the border in an elements total width and height
* Applying this to every element is safe and wise

CSS Flexbox Layout Module:

* Makes it easier to design flexible responsive layout structure without using float or positioning
* Must define a flex container
* Can then add flex items to the container
* Flex container becomes flexible when you set the display property to flex
* Properties –
* flex-direction: direction the container will stack its items in
* flex-wrap: whether the flex item should wrap or not
* flex-flow: ^ + ^
* justify-content:
* align-items:
* align-content:

Media Queries: <https://www.w3schools.com/css/css3_mediaqueries_ex.asp>

* Consists of media type and can contain one or more expression, which evaluate to true or false
* <link rel="stylesheet" media="mediatype and|not|only (expressions)" href="print.css">
* Media Types:
* All
* Print
* Screen
* Speech
* When the media query statement / condition is true – the code executes
* Max-width: 600px – on screens less than 600, implement the code

Aligning Page Content:

* To center align a Block element (ex. div) – margin: auto\*
* To center align the text inside of an element – text-align: center\*
* To center an img – display: block, margin-left: auto, margin-right: auto\*
* Left & Right using Position – position: absolute, right: 0px\* - aligns on right side
* Absolute positioned elements are removed from the normal flow, can overlap elements
* Left & Right using Float – float:
* Other Ways:
* Padding
* Line height