Week 6

CSS Layout & Grid Layout

*CSS Layout*

* Normal flow: the default layout when you put in elements.

Img{

Float:right}

* Wraps text around image or icon.
* Do not use to layout an entire page.
* All elements in normal flow are have position: static. Elements scroll with the page.
* Position: relative
* Use sparingly
* Position:fixed–moves with the page. Navigation bar
* Flex box is a layout of rows or columns.
  + Display: flex
  + Can adjust according to screen size.
  + Beautifully responses areas of page.
  + Not best for an entire page
* Z index: allows you to stack images and text on top of each other. Z-axis. Bigger the number, the closest to the front it will be in the stacking order.
  + Can only use stacking when position is applied to elements.

H1{

z-index:1; (to front) (-# brings it back)

align-self: center; (vertical alignment in grid)

}

*Grid*

* Uses rows and columns in layout without float and position.
* Children become the grid item.
* Explicit:
  + Manually: We deliberately put the items where we want them.
* Implicit:
  + Automatic. The system automatically put the items in the grid boxes without our choice.

.grid-container{

Display:gird;

Grid-template-column: 200 px 200px 200px (each value is a column width) **auto** (will up whatever space is remaining);

Grid-gap: 30px;

* Fr=fractional unit. Takes up a fraction of what is available.
  + 1fr means 1 equal fraction of the whole.
  + 1 fr 1fr 1fr = thirds.
* Nest grid–grid inside a gird.
* Children stick with their parents, not grandparents.
* You can see and examine grids on other websites by clicking “inspect” and hover over parent element with grid selector.
* Put gird over wireframe.

Video{

Grid-column-start: 1 (number refers to the line between the columns and rows, not the columns and rows themselves.

Grit-column-end: 3;}

Sets boundaries for child.

Video{

Grid-column:1/3;

Grid-row:1/2;

}

* Start line/end line
* Gird-column: **span**; merges cells. Does not go to the edges.
* Gird-template-column: **repeat (3, 1fr);** Saves you from typing 1fr 1fr 1fr.

Media query allows the CSS to be responsive to different size monitors. They are always placed after the CSS code. Never put more CSS code after the media query.

* The links you have to other pages, the more important you page will be to Google.
* SEO. Search Engine Optimization: helping search engines understand your content.