**CS 40**

[**https://github.com/mikeizbicki/cmc-csci040**](https://github.com/mikeizbicki/cmc-csci040)

[**https://izbicki.me**](https://izbicki.me)

Notes from Sept 3:

|  |  |  |
| --- | --- | --- |
| Div vs span: | Div is like a ppg | Span is for when you want to change the format of a class in the middle of the paragraph you can create a span |
| Id vs class | No difference at all, just customary if you have one type of thing you use an id but if you have more you use class. |  |
| Css files= cascading style sheets, aka styles |  |  |

<link rel=stylesheet href=’stylle.css’>

li {

color: blue;

}

li.menu {

list-style-type: none;

padding: 0px;

height: 30px;

width: 150px;

padding-left: 5px;

}

li(tag).menu(class):hover(pseudoclass){

background: lightblue;

}

.mydiv (everything after a . is a class and never existed before, you can change it, to organize) {

/\*background: lightblue;\*/ (to silence)

}

div.menu { (only applied to div itself and not each of the items)

float: left; // turns this to the left, and floats them to the left, moving other things up

background: orange;

}

ol.menu {

padding: 0px;

}

.title {

background light red;

text-align: center;

}

.contents {

background lightgreen;

}

<div class = title> /\*div elements do not have any margins but h1 does\*/

<h1> Harry Potter </h1>

</div>

<div class = menu>

<ol class = menu>

<a href=”lotr.html”> <li class=menu > Lord of the Rings</li></a> /\*a allows a link\*/

<li class=menu > Star Wars </li>

<li class=menu> Hunger games </li>

<li class=menu > Harry Pottter </li>

</ol>

</div>

<div class = contents>

<div class (attribute)=mydiv (value of the attribute) > (no formatting but this can create your own html elements)

This is a DIV tag

</div>

P:first-of-type { (Pseudoclass, will turn the first of that type green, built into the browser can create new)

Color: green;

}

Notes from Sept 3:

Html, which codes a webpage (altho im not sure how lmao) uses tags <>

<p> starts a new paragraph for the line text

<p> hello world (opening tag, which just includes the brackets) </p> (more proper to have this)

<p> html

To make a header:

<h1>Our first webpage </h1> (closing tag)

<h3> this is smaller </h3>

<h6> this is the smallest </h6>

it’s possible to have no header information but it is common

<!DOCTYPE html> (says what version the document is>

<html> says that everything is part of html

<head>

<title>Harry Potter Movies </title> (this will be the title of the webpage)

<!--Style = CSS --> (everything is a comment and will not be displayed) Html is a markup language, it just says the content of the webpage but not the style

p {

color: red; (will only apply to anything in the P tag) the rgb(100,0,0); (can define own color)

}

li {

color: red; (will only apply to anything in the li tag)

}

</head> (everything in the head is not visible to the webpage it is just info)

<body>

<h1> Hary potter </h1>

<p> Harry potter is a fun thing

(This creates an ordered or numbered list)

<p> Characters:

<ol>

(in the a tag you can add links, href is a command called attribute which shows the location of the pointer, so this would make the name Harry P to be a link instead of just a text)

<li> <a href =“Wikipedia link”> Harry P </a>

<li>Hermione G

<li> Ron W

</ol>

(in the a tag you can add links, src is a command called attribute which shows the location of the pointer, width and height can control the size of the image)

<img width=300px height=50px alt=’Harry Potter image’ src= “link”> (never makes sense to have </img> it’s a self-closing tag, all the info is in the attributes and you don’t want anything within the image tag, if the url did not exist there will be a broken image icon… the alt tag will show what the image should have if it is not available or if the site is accessible like for the blind the program will read this description to the blind which is so cool for accessibility!!! Also, it makes your page shown when people search Harry Potter image on search engines)

(tr starts new row of table, td stands for table data which is but into the column just for contents of webpage but not style of it)

<table>

<tr> (row 1)

<td>Character Name </td><td>Character House</td>

</tr> (end row 1)

<tr>

<td>Harry Potter</td><td>Gryffindor</td>

</tr>

<tr>

<td>Hermione G</td><td> Gryffindor</td>

</tr>

</body> (again this closes the information from before stating this is the body)

</html>

ALTERNATE IDEA:

(This creates bullet pointed list)

<p> Characters:

<ul>

<li> Harry P

<li>Hermione G

<li> Ron W

</ul>

</body> (again this closes the information from before stating this is the body)

</html>