

MPT Web Design



Week 5: Recap and Portfolio Site

Class Plan

- WEEK 1
 - Introduction to HTML, Page Structures/layouts, Browsers
 - Homework: Make a HTML page for your competition page. Come up with a design plan
- WEEK 2
 - Introduction to CSS and how to apply style to a web page
 - Homework: Colour and design scheme for your competition page using paletton
- WEEK 3
 - Introduction to JavaScript and dynamic web pages
- WEEK 4
 - More JavaScript
- WEEK 5
 - HTML, CSS, JavaScript, complete portfolio site and competition site



Recap

HTML



HTML Recap

HTML

- HTML stands for **Hyper Text Markup Language**
- Describes the **structure** of Web pages
- **Elements** are the building blocks of HTML pages and are represented by **tags**
- HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
- Browsers do not display the HTML tags, but use them to render the content of the page

<tagname>Some Content in here....</tagname>



Defines the type of element

The stuff that gets displayed

Close off the element

HTML Required Tags

- `<!DOCTYPE html>`
 - Declares that this page uses HTML as its markup language
- `<html></html>`
 - Every other tag on your page goes inside HTML tags
- `<head></head>`
 - Where you give meta-information about the site, e.g. title, author, keywords, and import scripts and stylesheets (more on this later)
- `<body></body>`
 - Where your main visible content goes. Contains all other markup elements (tables, sections, text, images, whatever)

CSS

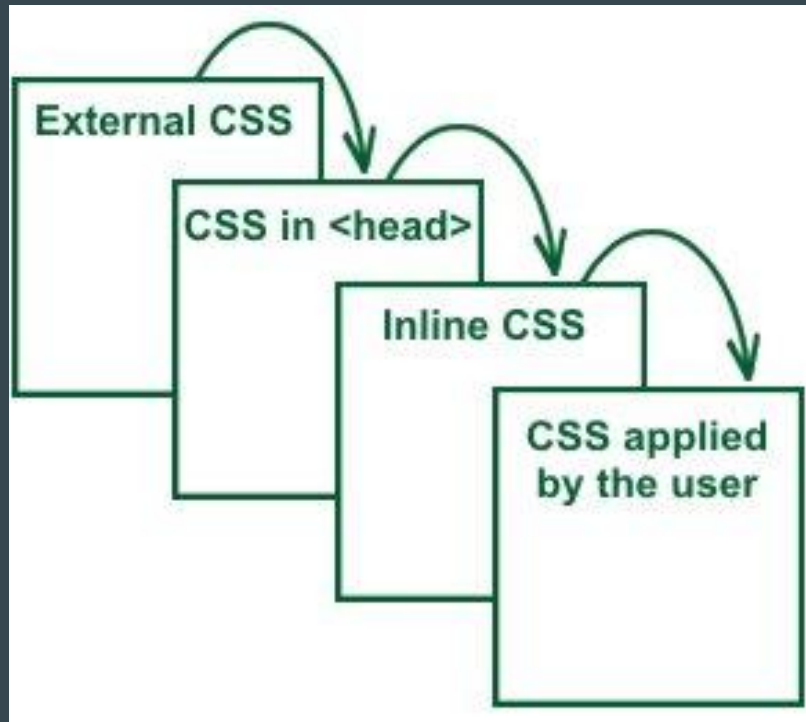


CSS Recap

CSS Hierarchy

3 Places the Style can go

- External CSS (.css) File
- `<style>` tags in `<head>`
- Inline in a html tag
 - `<div style=" "></div>`



Basic Anatomy of a CSS Rule



Declaring a CSS Rule for a **Class** Attribute

the XHTML

```
<a class="pdf" href="brochure.pdf">Brochure</a>
```

the CSS

```
.pdf {background: url(images/pdf.gif) no-repeat left 50%;}
```

use a **period** when writing a rule for a **class**

Declaring a CSS Rule for an **Id** Attribute

the XHTML

```
<div id="wrapper">Main Content</div>
```

the CSS

```
#wrapper {width: 750px; margin: 0 auto;}
```

use a **pound sign** when writing a rule for a **id**



JS



JS Recap

Where can we write our JavaScript?

- In the **head** of web page in `<script>` tags
- Or in an **external file** which we link to using `<script>` tag. (similar to CSS)

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Page Title</title>
    <meta name="description" content="A basic HTML template to use">
    <meta name="author" content="Aaron Bolger">
    <script type="text/javascript">
      alert("Hello From JavaScript");
    </script>
  </head>
  <body>
    <!-- Comments look like this -->
    <h1>HTML Template</h1>
    <p>A basic HTML layout to use for future sites</p>
  </body>
</html>
```

```
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Page Title</title>
    <meta name="description" content="A basic HTML template to use">
    <meta name="author" content="Aaron Bolger">
    <script type="text/javascript" src="my/file/path.js"></script>
  </head>
  <body>
    <!-- Comments look like this -->
    <h1>HTML Template</h1>
    <p>A basic HTML layout to use for future sites</p>
  </body>
</html>
```

JavaScript Golden Rules

Keyword **function**

Columns and indents *aren't required* - indents are still useful

Function code needs to be in **curly braces** { }

```
function myFunc() { code; }
```

All lines must end with a **semicolon** ;

Keyword **var** for declaring variables

```
var myInt = 0;
```

```
var myString = "Hello World";
```

Note Structure of For Loop



Golden Rules

Recall

- DOM

```
document.getElementById("demo").innerHTML = "Hello JavaScript";
```

- Events

Event	Description
onchange	An HTML element has been changed
onclick	The user clicks an HTML element
onmouseover	The user moves the mouse over an HTML element
onmouseout	The user moves the mouse away from an HTML element
onkeydown	The user pushes a keyboard key
onload	The browser has finished loading the page

Today We Will Build a Portfolio Site

