

Class 4: The presentation layer – CSS

CSS

Style rules

Applying styles: <link>

CSS reset

Selectors: Elements

The box model

Colours and hexadecimals

Fonts and font stacks

Using CSS

Validation

References

Learning Web Design by Jennifer Robbins (5th Edition)

Head First HTML and CSS by Elizabeth Robson & Eric Freeman

HTML & CSS by Jon Duckett

Beginning CSS3 by David Powers

<https://developer.mozilla.org/en-US/docs/Web/CSS>

<https://jigsaw.w3.org/css-validator/>

https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Selectors

<https://learn.shayhowe.com/html-css/>

<https://htmldog.com/references/css/selectors/>

<https://www.cssfontstack.com/>

Class 4 Homework

Read: Chapters 11-14 of Learning Web Design

or Chapters 7-10 of Head First HTML and CSS

or Chapters 10-14 of HTML & CSS

Watch: **Why is CSS so Weird?** (Mozilla Developer at YouTube) 15mins

<https://www.youtube.com/watch?v=aHUtMbJw8iA>

Watch the CSS section of **HTML and CSS: Creating a Basic Website** at Pluralsight:

<https://app.pluralsight.com/interactive-courses/detail/695a74cc-91f3-41f5-80c6-9f445a1db479>

Have a browse around the Pluralsight video courses. There is a lot of material that you'll find useful on this programme.

Create a style sheet for your three designed objects website, illustrating the range of CSS properties available to you in font, colour, link style, padding, border and margin etc. Link to the stylesheet from the <head> of your html files, using the correct syntax, for example (line 5):

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="utf-8">
5     <link rel="stylesheet" href="style.css">
6     <title>Three Designed Objects</title>
7   </head>
8   <body>
9     <h1>Three Designed Objects</h1>
10    <p>This is the homepage of the three designed objects project.</p>
11  </body>
12 </html>
```

Note: Remember, it's good practice to begin by resetting the CSS to remove browser default styles. The reset can be added as a prefix to your own styles in the default CSS file (recommended) or you can keep it in a separate, linked file (as below).

```
<link rel="stylesheet" href="reset.css">
<link rel="stylesheet" href="style.css">
```

Take special care to ensure that you use the correct syntax for your style rules, for example:

```
1 /* CSS Stylesheet */
2
3 body {
4   font-family: Calibri,Candara,Arial,sans-serif;
5   color: #444444;
6   background-color: #E0E0E0;
7 }
8 main {
9   width: 70%;
10  min-width: 450px;
11  padding: 2.0em 4.0em;
12  border: 1px solid #C0C0C0;
13  margin: 1.5em auto;
14  background-color: white;
15 }
```

Use only "web safe" system fonts, do **not** use a web font service such as Google Fonts.

Use the [W3C Markup Validation Service](#) to check your CSS code (and your HTML if you have changed this). Upload your work to your home area and link to it from your coursework homepage so that we can review your styling during the Class 5 session.

It might be a good idea to also start styling your coursework homepage, if you haven't already done so.

Add a "What I learned this week..." post to your blog.
Add any useful CSS references as links on your blog.

Course materials: [Design for Web Content](#)