Lab 3b Cascading Style Sheets (CSS)

Introduction

This worksheet will give you experience of applying a style sheet to an HTML page. CSS is a big topic, so we will keep it relatively simple, creating a clean design that will give you experience of the fundamentals that you need to understand.

You may find it helpful to add some comments to your stylesheet as you go. You can add comments to CSS using **/* add your comment */**

LinkedIn Tutorials to support the worksheet

Watch the following video tutorials on LinkedIn Learning **before** completing the worksheet.

From CSS Essential Training watch:

All of section 2. Core Concepts

All of section 3. The Box Model

All of section 5. Layouts: Float and Position

Changing the font-family

Font-weight and font-style

The font-size property

Text decoration

Getting Started - Download and save files

Download the contents of the **Lab3b_CSSstyling_start.zip** folder from this week's Moodle area and extract the contents. You have been given an html page, and the beginning of a stylesheet. The stylesheet is already linked to the HTML page. Spend a bit of time examining both the HTML and CSS documents. The stylesheet includes the CSS Reset, a background colour for the whole page, and some styling for the body.

As you work through the exercises, you should save your CSS **after each change**, then refresh your browser to see what impact the new code has on how the page displays.

Open the HTML page in a browser and compare it with the screenshot at the end of the worksheet, which shows the layout you are aiming for.

Style the <body>

1. A font family has already been defined for the body, along with a font size. By declaring a base font size, anything subsequently defined using **em** will be sized relative to the base font. Add the 'margin', 'width' and 'background' code to your stylesheet as follows. The margin settings will centre the content.

```css
body {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 16px;
    margin: 0 auto;
    width: 1100px;
    background: #FFFFFF;
}
```

2. Following the same syntax as above, add 50px of padding to the **body** style. This should move all the content away from the top and left of the window.

Create 2-column layout

1. You have two sections in the HTML page; one for news stories, and one for sport reports. You can use the 'float' property to position the two sections so that they appear as two adjacent columns. To enable them to sit next to one another you will also give them a width. As blocklevel elements they currently each fill the width of the page. The sections are targeted through their ids.

```css
#sport, #news {
    width: 500px;
    float: left;
}
```

2. You will find that the footer is out of position because it now behaves as if the floated content were no longer there. You can fix this by **clearing** the float. Because the footer is the element that you need to reposition, you will add the clear to the footer.

```css
footer {
    clear: left;
}
```

Your page should now be starting to look more like the finished page.

Add a border and some spacing

1. The news and sport sections are currently positioned too close together. You also need to create a line between the two sections, as a divider. So now add the following style to the sport

section. Note that the margin setting moves the sport section away from the news section, whilst the padding adds space between the content of the sport section and its left border.

```
#sport {
    border-left: 2px solid #C6CEC9;
    margin-left: 50px;
    padding-left: 20px;
}
```

2. To add the border between the content and the footer, you can target the footer element. You already have a style for the **footer**, so add the following line of code to it.

```
border-top: 2px solid #C6CEC9;
```

3. Add some space between the footer content, and its top border, by adding some padding to the styling for your **footer**.

```
padding-top: 10px;
```

4. Each of the sections contains two articles, which are currently looking rather squashed, with no spacing between the headings, the images and the main text. Add a margin to the top of each article.

```
article {
    margin-top: 20px;
}
```

Reposition and format header text

1. The main part of the page should now have a much better layout, so let's deal with the header. The text in the main page heading should sit next to the logo. You will use the float property again to achieve this. Floating the logo image will allow the header's text (the h1 and the paragraph) to sit next to the image. You will target the class name of the image.

```
.logo {
    float: left;
}
```

2. The text in the main page heading - "Makebelieve Reporter" and "Your weekly local news" should now be positioned to the right of the logo. But, the menu will also have moved. You could leave it there, but moving it will demonstrate again how the clear property works with the float property. Remember that you have already fixed a similar problem with the footer, so have

some code that you can use. To move the list so that it sits below the logo, you need to apply the 'clear' to the unordered list element.

```css
ul {
    clear: left;
}
```

3. The main heading at the top of the page is bigger than other text on the page, as it is tagged as h1, but it could be bigger. Add the following code to make it bigger, move it to the right, and give it a colour (feel free to change the values).

```css
#pageBanner h1 {
    margin-left: 200px;
    font-size: 3em;
    color: #0A4B54;
}
```

Try it on your own

Now that you have been guided to this point, you should be able to make further changes on your own. Here is a list of things to try:

- Use what you learned in worksheet 2a to format the unordered list as a horizontal menu, with your own styling.
- Format the 'tagline "Your weekly local news" so the text left-aligns with the main page heading, has a colour, and is bigger (refer back to the screenshot on the last page).
- Add some background colour to the section headings (refer to screenshot)
- Add some spacing between the headings and images inside each article, and between the article images and the article text.
- Use a class to add a style to the copyright statement in the footer, making the text smaller.
- Try creating a new stylesheet with a different layout e.g. the two sections appearing one after the other, with the text of each article appearing next to the related image. You could use Save As to rename your stylesheet, the update the link in your HTML document.

Makebelieve Reporter

Your weekly local news

Home   News & Sport   What's On   Listings   About Us

The News this Week

First News Article

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Second News Article

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Sports Report

First Sports Article

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Second Sports Article

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