



The example page you will create here will give you an understanding of how HTML and CSS work together to provide structure and presentation on a web page.

As you create this web page use online resources such as W3Schools to find out what is going in in the web page.

To do:

- Study the HTML tags used in this example, what are their purpose and how are they used.
- Learn the difference between CSS **tag, id and class** selectors, when and how they are used.
- Gain a basic understanding of CSS properties used in the example such as position, width, padding, margin etc.
- Research the CSS box model on W3 schools.
- Access **Google Fonts** to choose a font for your web page and learn how to apply it to the web page.

<https://www.w3schools.com/html/>

<https://www.w3schools.com/css/>

https://www.w3schools.com/css/css_boxmodel.asp

1. Download the folder from myCity Week 3 - 'Single web page design'. EXTRACT THIS FOLDER TO THE DESKTOP.
2. Inside this folder is an images folder with the image you will need.
3. Create a new web page and save inside your folder. Name the page mba.html.
4. Add the following between the <head></head> tags

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<meta name="description" content="Watch mountain bike videos, browse our huge product guide, and more. Bikes, parts, and gear reviews and ratings from other mountain bike riders. Downhill, freeride, all-mountain, park, dirt jumping." />
```

5. Add **<style></style>** tags inside the **<head></head>** tags.

Type the following between the **<body>** tags of your web page.
Remember to save your web page.

```
<header>Mountain Biking Adventures</header>

<main>

    <p class="slogan_miles">It's not about the miles.</p>

    <p class="slogan_smiles">It's about the
smiles...&#9786</p>

</main>

<footer>

    <ul id="mtblinks">

        <li><a href="http://www.mbr.co.uk/">Mountain Bike
Rider</a></li>

        <li><a href="http://www.vitalmtb.com/">Vital
MTB</a></li>

        <li><a href="http://www.imbikemag.com">International
Mountain Bike Magazine</a></li>

        <li><a href="http://www.bikemag.com">Bike
Magazine</a></li>

    </ul>

</footer>
```

6. Save the page and drag into a web browser from your folder.
7. The web page will look similar to below. No formatting or presentation.

Mountain Biking Adventures

It's not about the miles.

It's about the smiles...😊

- [Mountain Bike Rider](#)
- [Vital MTB](#)
- [International Mountain Bike Magazine](#)
- [Bike Magazine](#)

8. The code for the web page should look like below:

```
1 <!doctype html>
2 <html>
3 <head>
4 <style>
5
6 </style>
7
8
9 <meta name="viewport" content="width=device-width, initial-scale=1.0">
10
11 <meta name="description" content="Watch mountain bike videos, browse our huge product guide,
12 and more. Bikes, parts, and gear reviews and ratings from other mountain bike riders. Downhill, freeride, all-mountain, park, dirt jumping." />
13
14
15 <meta charset="utf-8">
16 <title>Mountain Biking Adventures</title>
17 </head>
18
19 <body>
20
21 <header>Mountain Biking Adventures</header>
22 <main>
23
24 <p class="slogan_miles">It's not about the miles.</p>
25 <p class="slogan_smiles">It's about the smiles...😊</p>
26
27 </main>
28 <footer>
29 <ul id="mtblinks">
30 <li><a href="http://www.mbr.co.uk/">Mountain Bike Rider</a></li>
31 <li><a href="http://www.vitalmtb.com/">Vital MTB</a></li>
32 <li><a href="http://www.imbikemag.com">International Mountain Bike Magazine</a></li>
33 <li><a href="http://www.bikemag.com">Bike Magazine</a></li>
34 </ul>
35 </footer>
36 </body>
37 </html>
38
```

9. Type up each block of styles, save your page and view in a browser.

<body>

```
/*these styles target the main body section of the web
page*/

body {

padding: 0; /*applies 0 padding to web page*/

margin: 0; /*applies 0 margin to web page*/

background: url(img/mtb-cropped.jpg) no-repeat center center
fixed; /*add a background image to the web page*/

background-size: cover; /*Scale the background image to be as
large as possible so that the background area is completely
covered by the background image.*/

font-family: 'Oswald', sans-serif; /*Adds a font family to
the web page, this has been taken from Google Fonts*/

}
```

<header>

```
/*these styles target the <header> HTML element of the web
page*/

header {

background-color: #000;/*set a background colour*/

color: #969595;/*set a foreground colour*/

font-size: 400%;/*set a font size - 400 % of the default
browser setting*/

line-height: 100px;/* sets text vertically to middle of
container div */

height: 100px; /*sets a height*/

}
```

<footer>

```
/*these styles target the <footer> HTML element of the web
page*/

footer {

    height: 200px; /*sets a height*/

    background-color: #8cc63f; /*sets a background colour*/

/*fixes the position of the footer to the bottom left of the
page*/

    position: fixed;

    bottom: 0;

    left: 0;

    width: 100%;/*sets a width - 100% full width of page*/

}
```

classes

```
/*these styles target the HTML element with a class =  
slogan_miles */  
  
.slogan_miles {  
  
    background-color: #000; /*adds a background colour*/  
  
    width: 50%; /*sets the width*/  
  
    opacity: 0.5; /*sets the opacity*/  
  
    padding-left: 2%; /*adds padding*/  
  
    font-size: 300%;  
  
    color: #fff;  
  
}
```

classes

```
/*these styles target the HTML element with a class =  
slogan_smiles*/  
  
.slogan_smiles {  
  
    background-color: #000;  
  
    width: 45%;  
  
    opacity: 0.5;  
  
    padding-left: 2%;  
  
    font-size: 300%;  
  
    color: #fff;  
  
}
```



```
/*these styles target the unordered list element */  
  
ul {  
    list-style: none; /*removes the bullets from the list*/  
}
```

hyperlinks

```
/*Styles the hyperlinks*/  
  
a:link {  
    text-decoration: none;  
    color: #FFFFFF;  
}  
  
a:visited {  
    text-decoration: none;  
    color: #FFFFFF;  
}  
  
a:hover {  
    text-decoration: none;  
    color: #8A8A8A;  
}
```


Media queries

```
/*Media queries to respond to different device sizes*/

/*When the device has a max width of 900px*/

    @media only screen and (max-width: 900px) {

        .slogan_miles, .slogan_smiles{

            width: 95%; /*resize the paragraphs*/

            font-size: 200%; /*reduce the font size*/

        }

        header {

            font-size: 300%;

            width: 100%;

        }

    }

}/*Media query end*/
```

```
/*When the device has a max width of 600px*/

    @media only screen and (max-width: 600px) {

        header {

            font-size:200%;

            width:100%;

        }

        .slogan_miles, .slogan_smiles{

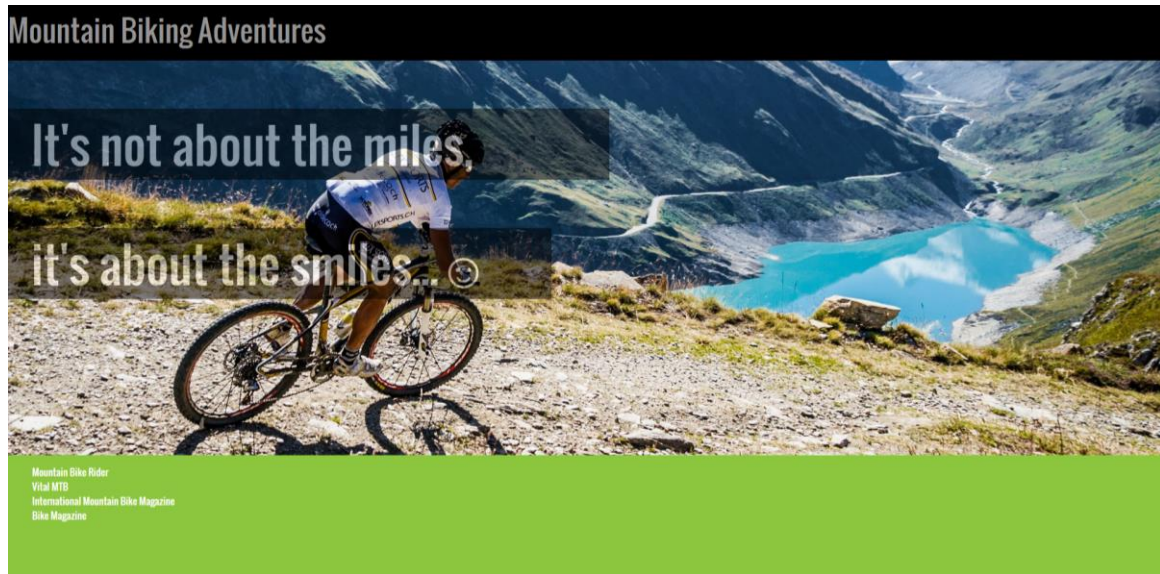
            font-size: 150%;

        }

    }

} /*Media query end*/
```

Single web page design activity



Choose a product or concept that you can advertise, this should be something that interests you. This may be a movie, music, a sports item, a computer game, book, household item, a way of life, science, technology, health etc.

Research the product or concept online and gather ideas for imagery, typography, colour, style, marketing slogans.

Part #1

Product chosen

Websites visited for ideas on use of colour

Websites visited for ideas on imagery

Websites visited for ideas on use of typography

Websites visited for ideas on use of style and layout

Websites visited for ideas on use of marketing slogans

Part #2

Justify your selection of colour

Justify your selection of imagery

Justify your selection of typography

Justify your selection of general style and layout

Evaluate how you performed on this activity and whether you consider it to have been a success. Identify what you have learned during this process.