

by Tony Thomas

August 06, 2014

Blog, Tutorials

Comments

Tony creates pixel-perfect UI kits & icons. His pug, Wednesday, is Medialoot's beloved mascot.

How to Code a Homepage Template with HTML5 and CSS3

IT'S PRETTY EASY AND DOESN'T TAKE TOO LONG

This tutorial has been created to guide you through the process of converting one of our most popular PSD homepage templates on Medialoot into fully coded HTML and CSS.

What We're Coding

Let's take a look at our design, we will be working with a Medialoot PSD template called **Simply**. Simply is a minimal homepage design with subtle colours and strong headline typography. If you aren't a Medialoot member it is still possible to follow along with the tutorial, click the preview below

for a full resolution image to work from:

A MINIMAL, CLEAN LAYOUT FOR WEB DESIGN.

Get Started

EASY TO EDIT

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam mollis turpis ac libero interdum, id fringilla purus feugiat. Etiam malesuada mattis nibh at bibendum.

LAYERED PSD

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READY TO GO

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FEATURED CONTENT

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SECONDARY CONTENT

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[View more](#)

SECONDARY CONTENT

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[View more](#)

SECONDARY CONTENT

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[View more](#)

HEARD ENOUGH?

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec euismod leo a nibh dignissim tincidunt. Nam ultricies odio ac neque suscipit volutpat. Ut dictum adipiscing felis sed malesuada. Integer porta sem nec nibh hendrerit imperdiet.

Get Started

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[Terms of Service](#) | [Privacy](#)

COMPANY

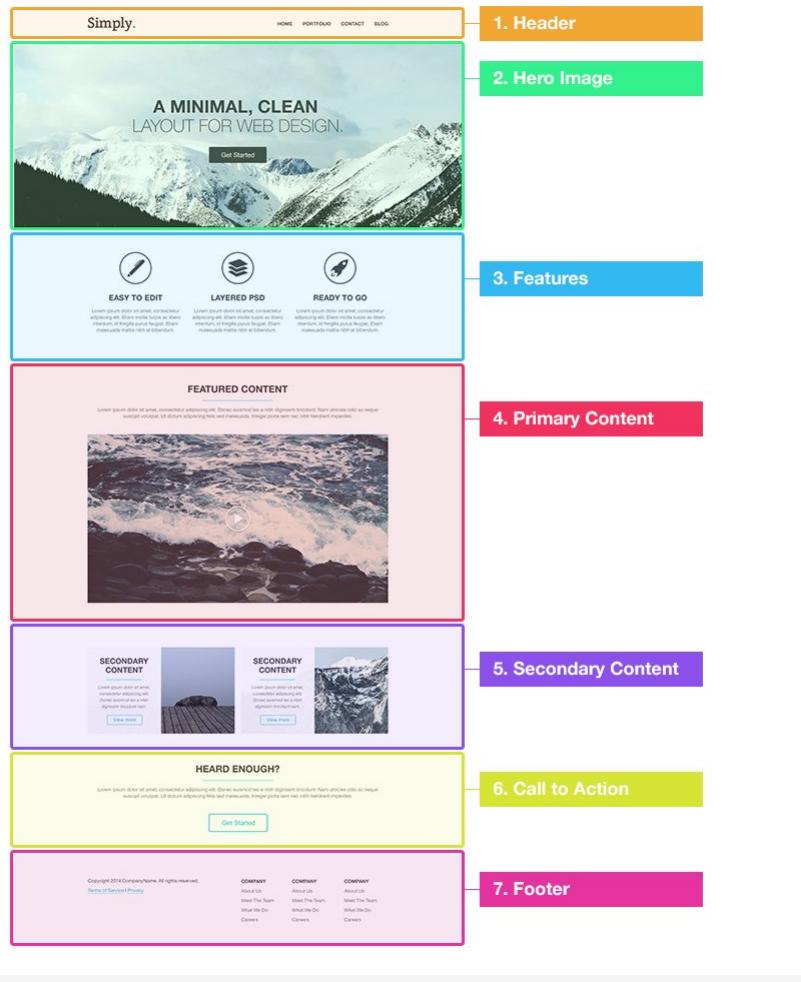
About Us	About Us	About Us
Meet The Team	Meet The Team	Meet The Team
What We Do	What We Do	What We Do
Careers	Careers	Careers

COMPANY

About Us	About Us	About Us
Meet The Team	Meet The Team	Meet The Team
What We Do	What We Do	What We Do
Careers	Careers	Careers

Understanding the Design

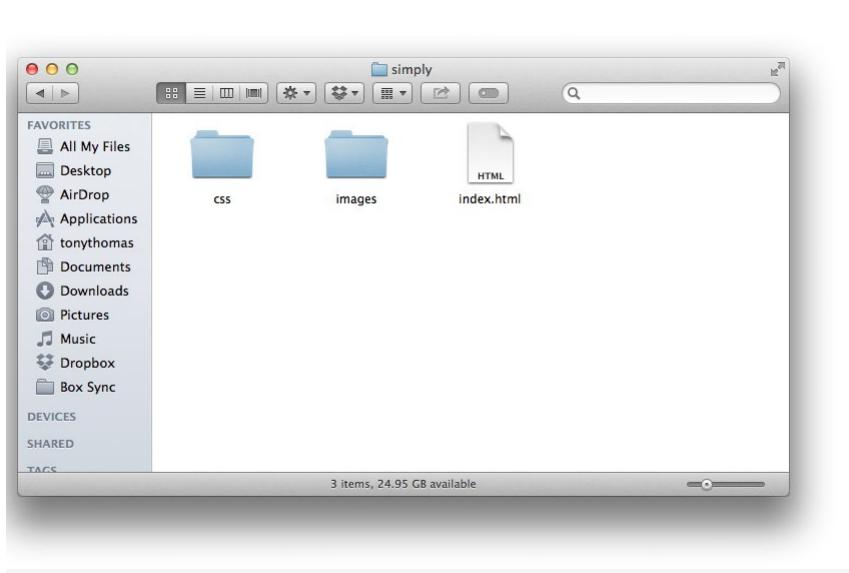
As you can probably see, Simply is a full width homepage design and has 7 distinct sections. We can use these sections to visually break the whole page down into a series of more manageable chunks to work with.

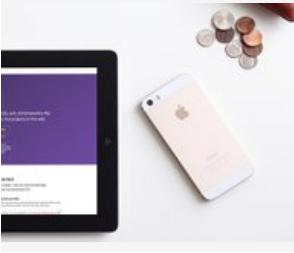


Setting up the Folder Structure

The first thing we need to do is create the folder structure for the project. It is fairly straightforward, all we need is an HTML file, a folder for images and a CSS file. So create a containing folder called 'simply' and two sub-folders called 'images' and 'css'. Then using a code editor create a new

blank html file and save it as index.html.





10, 2017

Code Snippets That Will Make

most of it is similar to the previous version, there ranged. Familiarize yourself with these useful ne on your next project.

[Read more](#)



April 11, 2017

A Beginners Guide to CSS Grid Layout

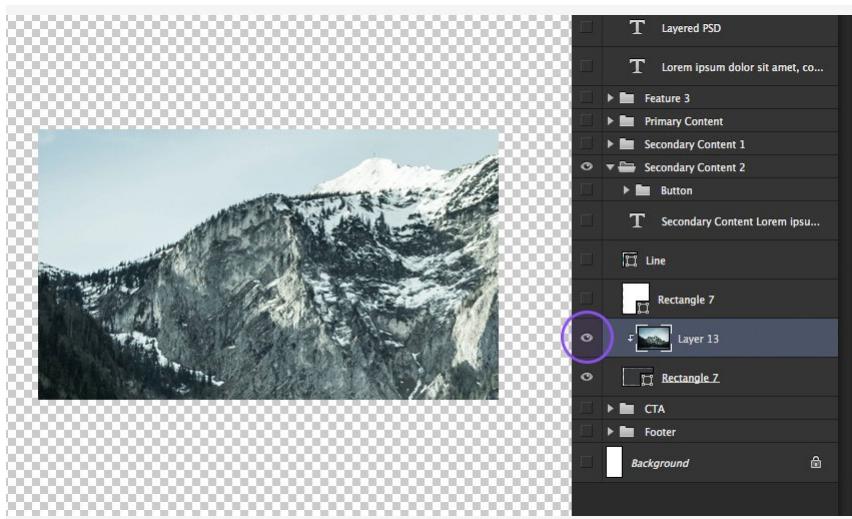
Find out what CSS Grid Layout is, how it works and why it is going to make your life as a designer or developer easier with this accessible introduction to CSS Grid Layout. We will cover terminology, basic how-to's and an example layout to get you start

[Read more](#)

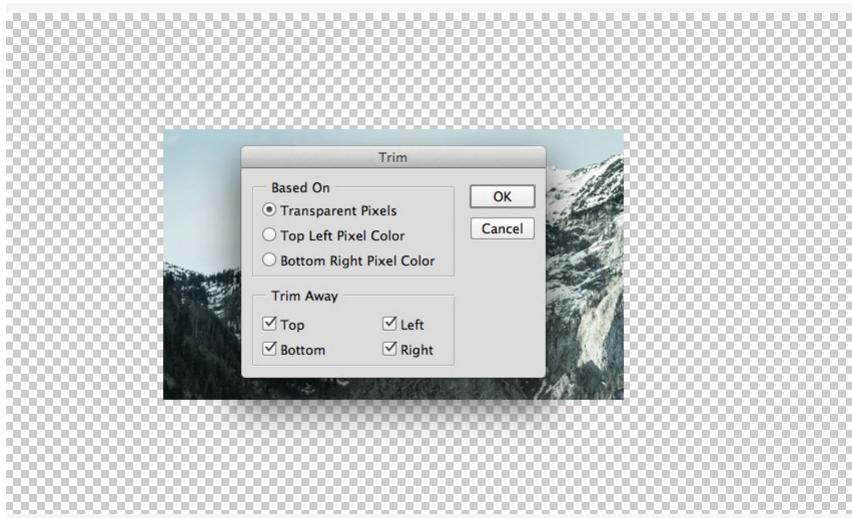
Exporting the Assets

Almost all of this particular design can be easily recreated using just HTML and CSS, however we will need to extract a handful of image assets from the .psd file. To export the individual assets, open the Simply design file in Photoshop and locate the layer for the asset that you want to export. Then

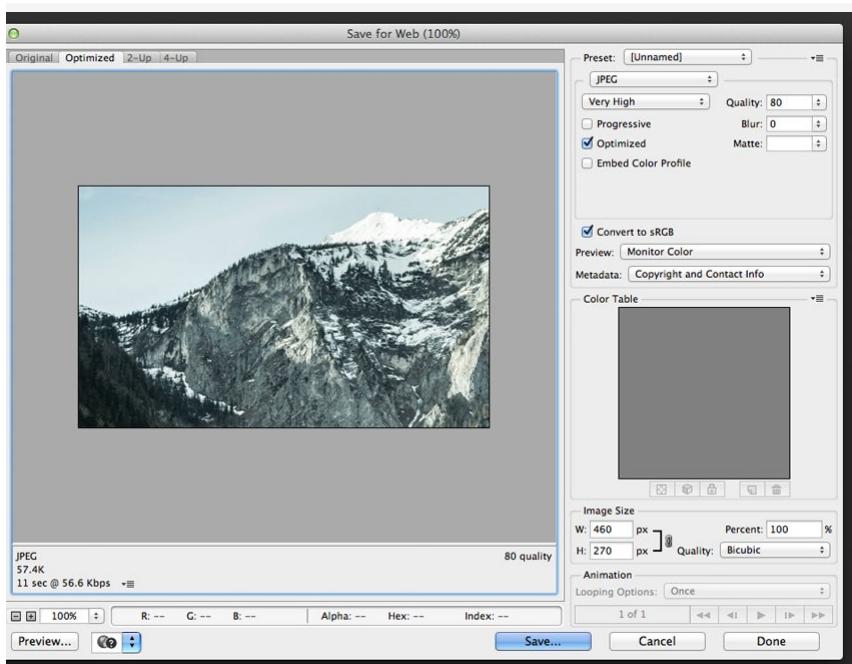
hold down the Alt key and click the layer visibility icon.



This will show only the selected layer, you can now go to the **Image menu** and select **Trim...** to trim the transparent pixels.



Select the **Save for Web...** option under the **File** menu and save the photographs as JPG files and any icons or images with transparency as PNG files.



Rinse. Repeat.

Here is a list of all the assets required, their filenames, extensions and image resolutions required:

hero.jpg - 2000 x 697 px
features-icon-1.png - 100 x 100 px
features-icon-2.png - 100 x 100 px
features-icon-3.png - 100 x 100 px
video-placeholder.jpg - 940 x 527 px
article-image-1.jpg - 460 x 270 px
article-image-2.jpg - 460 x 270 px

[Click here to download all of the image assets pre-exported](#)

Setting up the HTML File

Open up the index.html file in your text editor and add the following code:

```
<!DOCTYPE HTML>
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8">
    <title>Simply</title>
    <!--[if lt IE 9]>
    <script src="http://html5shiv.googlecode.com/svn/trunk/html5.js"></script>
    <![endif]-->
</head>
<body>
</body>
</html>
```

This is the most basic skeleton that all html files need. It defines the document type (HTML5), the character set (UTF-8) and the title of the page.

In addition to the basic skeleton, I have also included a script called HTML5Shiv using a conditional comment 'if lt IE 9'. This will enable the use of semantic HTML5 tags such as <header>, <article> and <footer> in older versions of Internet Explorer that don't natively support HTML5.

Dissecting Our Design

As we have already split the design up into 7 distinct sections, we can now take this a step further and visually break it down into the basic structure that we will use for the HTML. Here is an image demonstrating how to do this:

ler> **Simply.**

<h1>

<nav> HOME PORTFOLIO CONTACT BLOG

= "hero-image">

<h2> A MINIMAL, CLEAN LAYOUT FOR WEB DESIGN.

<a> Get Started

= "features">

-  EASY TO EDIT

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam mollis turpis ac libero interdum, id fringilla purus feugiat. Etiam malesuada mattis nibh at bibendum.
-  LAYERED PSD

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-  READY TO GO

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam mollis turpis ac libero interdum, id fringilla purus feugiat. Etiam malesuada mattis nibh at bibendum.

= "primary-content">

<article> FEATURED CONTENT

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec euismod leo a nibh dignissim tincidunt. Nam ultricies odio ac neque suscipit volutpat. Ut dictum adipiscing felis sed malesuada. Integer porta sem nec nibh hendrerit imperdiet.



<article>

SECONDARY CONTENT

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec euismod leo a nibh dignissim tincidunt.

[View more](#)

<article>

SECONDARY CONTENT

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec euismod leo a nibh dignissim tincidunt.

[View more](#)

= "secondary-content">

<article>

HEARD ENOUGH?

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec euismod leo a nibh dignissim tincidunt. Nam ultricies odio ac neque suscipit volutpat. Ut dictum adipiscing felis sed malesuada. Integer porta sem nec nibh hendrerit imperdiet.

<a> Get Started

<div id="footer-info">

Copyright 2014 CompanyName. All rights reserved.
[Terms of Service](#) | [Privacy](#)

<div id="footer-links">

COMPANY	COMPANY	COMPANY
About Us	About Us	About Us
Meet The Team	Meet The Team	Meet The Team
What We Do	What We Do	What We Do
Careers	Careers	Careers

You will notice that not every single element has been labelled, just the most important structural elements. The rest can be added later along with the content.

So let's put that structure into our HTML file, in-between the <body> tags:

```
<!DOCTYPE HTML>
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8">
    <title>Simply</title>
    <!--[if lt IE 9]>
    <script src="http://html5shiv.googlecode.com/svn/trunk/html5.js"></script>
    <![endif]-->
</head>

<body>
    <header>
        <h1></h1>
        <nav></nav>
    </header>

    <div id="hero-image">
        <h2></h2>
        <a></a>
    </div>

    <div id="features">
        <ul>
            <li></li>
            <li></li>
            <li></li>
        </ul>
    </div>

    <div id="primary-content">
        <article></article>
    </div>

    <div id="secondary-content">
        <article></article>
        <article></article>
    </div>

    <div id="cta">
    </div>

    <footer>
        <div id="footer-info"></div>
        <div id="footer-links">
            <ul></ul>
            <ul></ul>
            <ul></ul>
        </div>
    </footer>
</body>
</html>
```

Because the design has a width of 960px, we will also need to insert a wrapper into each section. This is done using a container div with a class of 'wrapper':

```
<!DOCTYPE HTML>
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8">
    <title>Simply</title>
    <!--[if lt IE 9]>
    <script src="http://html5shiv.googlecode.com/svn/trunk/html5.js"></script>
    <![endif]-->
</head>

<body>
    <header>
        <div class="wrapper">
            <h1></h1>
            <nav></nav>
        </div>
    </header>

    <div id="hero-image">
        <div class="wrapper">

```

```

<h2></h2>
<a></a>
</div>
</div>

<div id="features">
  <div class="wrapper">
    <ul>
      <li></li>
      <li></li>
      <li></li>
    </ul>
  </div>
</div>

<div id="primary-content">
  <div class="wrapper">
    <article></article>
  </div>
</div>

<div id="secondary-content">
  <div class="wrapper">
    <article></article>
    <article></article>
  </div>
</div>

<div id="cta">
  <div class="wrapper">
  </div>
</div>

<footer>
  <div class="wrapper">
    <div id="footer-info"></div>
    <div id="footer-links">
      <ul></ul>
      <ul></ul>
      <ul></ul>
    </div>
  </div>
</footer>

</body>
</html>

```

Adding The Content

We can now add the content from the design into the HTML. We will also be adding more tags for minor elements such as paragraphs, headers, links, list items and anything that hasn't already been added:

Section 1: Header

The header consists of a logo and navigation menu. A `<h1>` tag is used for the logo and a span with a class of 'color' will allow us to set a different color for the full stop using CSS later. The navigation menu is a simple unordered list `` with 4 list items ``, wrapped in the semantic HTML5 `<nav>` tags.

```

<header>
  <div class="wrapper">
    <h1>Simply<span class="color">>.</span></h1>
    <nav>
      <ul>
        <li><a href="#">Home</a></li>
        <li><a href="#">Portfolio</a></li>
        <li><a href="#">Contact</a></li>
        <li><a href="#">Blog</a></li>
      </ul>
    </nav>
  </div>
</header>

```

Section 2: Hero Image

The hero banner image is a simple div with the headline text in a `<h2>` and button link

```
<div id="hero-image">
  <div class="wrapper">
    <h2><strong>A Minimal, clean</strong><br/>
    layout for web design.</h2>
    <a href="#" class="button-1">Get Started</a>
  </div>
</div>
```

Section 3: Features

The 3 feature sections are each a list item in an unordered list, using CSS we will float the list items left to display them horizontally. To prevent other elements being affected by the floating we will also need a div with the class 'clear' and in the CSS later the class '.clear' will have the attribute 'clear:both'.

```
<div id="features">
  <div class="wrapper">
    <ul>
      <li class="feature-1">
        <h4>Easy to Edit</h4>
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam
mollis turpis ac libero interdum, id fringilla purus feugiat. Etiam malesuada
mattis nibh at bibendum.</p>
      </li>
      <li class="feature-2">
        <h4>Layered PSD</h4>
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam
mollis turpis ac libero interdum, id fringilla purus feugiat. Etiam malesuada
mattis nibh at bibendum.</p>
      </li>
      <li class="feature-3">
        <h4>Ready to Go</h4>
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam
mollis turpis ac libero interdum, id fringilla purus feugiat. Etiam malesuada
mattis nibh at bibendum.</p>
      </li>
    </ul>
  </div>
</div>
```

Section 4: Primary Content

The primary content section is very simple and uses an tag for the video placeholder image.

```
<div id="primary-content">
  <div class="wrapper">
    <article>
      <h3>Featured Content</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec
euismod leo a nibh dignissim tincidunt. Nam ultricies odio ac neque suscipit
voluptat. Ut dictum adipiscing felis sed malesuada. Integer porta sem nec nibh
hendrerit imperdiet. </p>
      <a href="#"></a>
    </article>
  </div>
</div>
```

Section 5: Secondary Content

Similarly to the features section, we are floating each <article> left to display them horizontally. You will probably notice in this section that we have used some inline styles. I would not normally recommend this, but in this instance the background image for the articles would be classed as content rather than styling so it belongs in the HTML not CSS.

```
<div id="secondary-content">
  <div class="wrapper">
    <article style="background-image: url('images/article-image-1.jpg');">
      <div class="overlay">
        <h4>Secondary Content</h4>
        <p><small>Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Donec euismod leo a nibh dignissim tincidunt nam.</small></p>
        <a href="#" class="more-link">View more</a>
      </div>
    </article>
```

```
<article style="background-image: url('images/article-image-2.jpg');">
    <div class="overlay">
        <h4>Secondary Content</h4>
        <p><small>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec euismod leo a nibh dignissim tincidunt nam.</small></p>
        <a href="#" class="more-link">View more</a>
    </div>
</article><div class="clear"></div>
</div>
```

Section 6: Call to Action

Another straightforward section featuring just a heading 3, paragraph and button link.

```
<div id="cta">
    <div class="wrapper">
        <h3>Heard Enough?</h3>
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec euismod leo a nibh dignissim tincidunt. Nam ultricies odio ac neque suscipit volutpat. Ut dictum adipiscing felis sed malesuada. Integer porta sem nec nibh hendrerit imperdierat. </p>
        <a href="#" class="button-2">Get Started</a>
    </div>
</div>
```

Section 7: Footer

The footer is divided into two columns, the 'footer-info' column and the 'footer-links' column. The 'footer-links' column is then sub-divided into 3 columns using unordered lists.

```
<footer>
    <div class="wrapper">
        <div id="footer-info">
            <p>Copyright 2014 CompanyName. All rights reserved.</p>
            <p><a href="#">Terms of Service</a> | <a href="#">Privacy</a></p>
        </div>
        <div id="footer-links">
            <ul>
                <li><h5>Company</h5></li>
                <li><a href="#">About Us</a></li>
                <li><a href="#">Meet The Team</a></li>
                <li><a href="#">What We Do</a></li>
                <li><a href="#">Careers</a></li>
            </ul>
            <ul>
                <li><h5>Company</h5></li>
                <li><a href="#">About Us</a></li>
                <li><a href="#">Meet The Team</a></li>
                <li><a href="#">What We Do</a></li>
                <li><a href="#">Careers</a></li>
            </ul>
            <ul>
                <li><h5>Company</h5></li>
                <li><a href="#">About Us</a></li>
                <li><a href="#">Meet The Team</a></li>
                <li><a href="#">What We Do</a></li>
                <li><a href="#">Careers</a></li>
            </ul>
        </div>
        <div class="clear"></div>
    </div>
</footer>
```

The next step is to link to some css files that we will be using. The first one is a css reset from Meyerweb that can be downloaded here: [CSS Reset](#). Once it has been downloaded place it into the css folder and include this line of code in the <head> section of our HTML: