

Assigned: 2013-09-05

Due: 2013-09-12

Turn-In: Store your .html pages, any images, css files, etc. in a directory (you can have sub-directories within that directory if you'd like). Zip the entire directory and turn-in via Blackboard.

If anything is unclear, please email me as soon as possible!

## CSS Concepts:

- floats, clearfix
- positions and dimensions
- display
- margins and padding
- pseudoclasses
- overriding styles
- colors, backgrounds
- font families
- italics, bold, and underline for text
- list style

## Tips

Remember, to add CSS within the <head>...</head> tags in a single page, use:

```
<link rel="stylesheet" type="text/css" href="path/file.css">
```

And to link to an external CSS file from within <head>...</head>, use:

```
<style type="text/css">  
</style>
```

Make sure your document is XHTML-Compliant! This means required tags and formatting:

[http://www.w3schools.com/html/html\\_xhtml.asp](http://www.w3schools.com/html/html_xhtml.asp)

Store each exercise in a separate document. If you use one .css file for all of them, make sure to leave comments on which set of styles goes with which exercise. Remember that comments use /\* ... \*/

Work Incrementally! Don't try to implement everything all at once, this makes debugging harder. Get small chunks done before moving on!

## Exercise 1: Backgrounds, Fonts, and Colors

Note: It would be useful to look up a website with a list of hex values for colors, open Photoshop/GIMP, etc.

In a paint program, create a logo around 200x200 px in dimension. Save it in the assignment folder.

Your page will end up looking something like this:



Except you'll create your own logo and fill out your own text. Use an online Lorem Ipsum program if you would like.

## Markup

For your HTML Markup, you should have:

- A <header> section.
  - This contains an <h1> tag, which I have specified as “Main Page” in the example.
- A <div> with the class “main-content”. Within main-content you should have:
  - <h2> section called “Welcome”:
    - A paragraph with the Welcome message (can be lorem ipsum)
  - <h2> section called “About”:
    - An <h3> section called “Website”:
      - A paragraph about the website (can be lorem ipsum)
    - An <h3> section called “Company”:
      - A paragraph about the company (can be lorem ipsum)
- A <footer> section.
  - This contains the copyright symbol, year, and company name. To create the copyright symbol, use &copy; in your markup.

## Styling:

You should apply the following rules in CSS:

1. body element
  1. Set the font family to “arial”
2. h1, h2, h3 elements
  1. Set the font family to serif
  2. Set the font style to italic
3. main-content class
  1. Set the background to your logo. Make sure it's positioned in the center, both horizontally and vertically, and does not repeat.
  2. Set the font color to #75250d;
  3. Set the border to be dashed, 2 pixels thick, and the color black (#000000).
4. footer element
  1. Set the font size to 11 px.
  2. Set the text alignment to center.

## Exercise 2: Horizontal Navbar with a List

For this exercise, we will use floats to turn the contents of a list into a navigation bar.



### Markup:

- Create a `<header>` tag:
  - It should contain an `<h1>` with “Welcome!”
- Create a `<nav>` tag:
  - It should contain an unordered list `<ul>`. This ul should contain the class “cf”
    - List item 1 contains a link to “Home”
    - List item 2 contains a link to “Television”
    - List item 3 contains a link to “Movies”
    - Your links don't need to point anywhere
- Create a `<footer>` tag:
  - &copy; 2000-2012, CompanyName

### Styling:

Implement these rules:

1. For the body, set the font family to “arial”.
2. For the nav:
  1. Set the border to solid, 1 px thick, and the color #002f6f.
  2. Set the background to #2866ba
  3. Set the width to 100%
3. For the anchor tag within nav, AND for the anchor tag with the pseudoclass active within nav (i.e., `nav a`, `nav a:active`):
  1. Set the color to #ffffff
  2. Set text decoration to none
4. For the unordered list within nav:
  1. Set the margin to 0
5. For the list item within nav:
  1. Set the list style type to none
  2. Set float to left

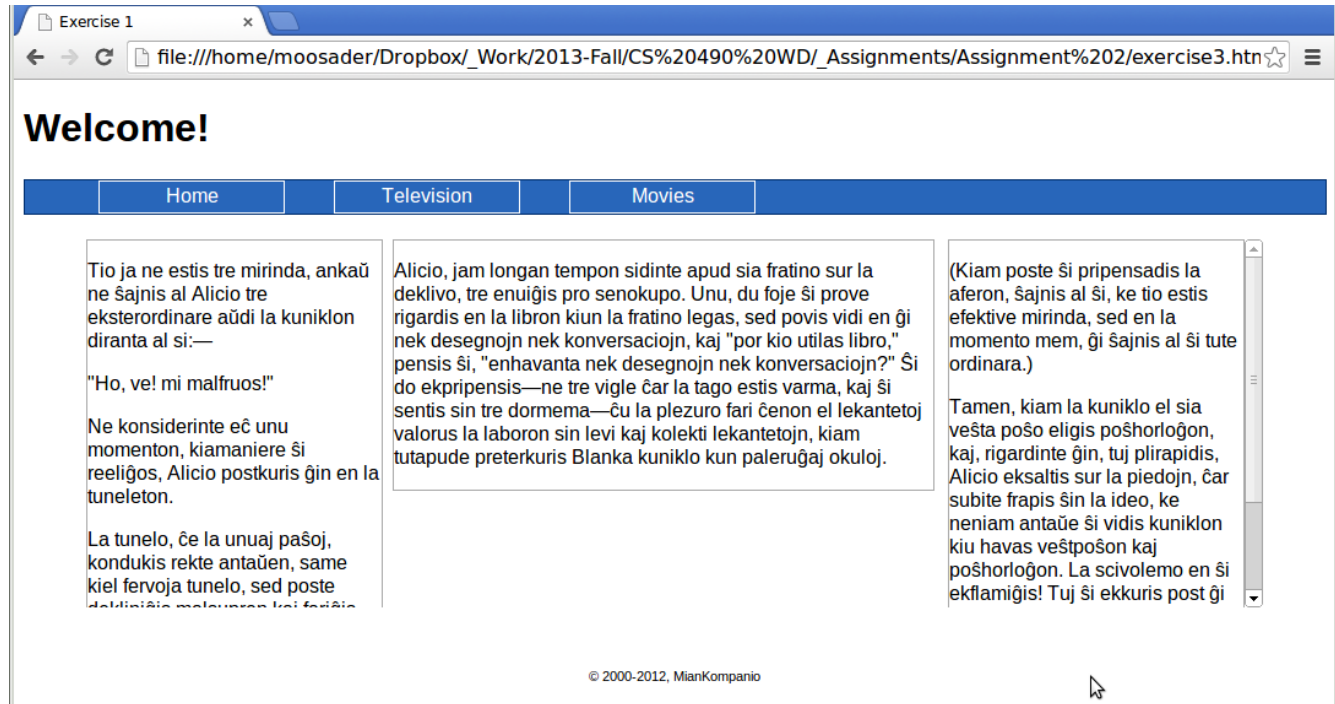
3. Set the margin to 0 20px (0 vertical, 20px horizontal)
4. Set the display to block
5. Set the border to solid, 1px thick, #ffffff
6. Set the height to 25 px
7. Set the width to 150 px
8. Set the text alignment to center
9. Set the line height to 25 px
6. For the list item with the pseudoclass hover within nav:
  1. Set the background to #ba3628
7. For the footer:
  1. Set the font size to 11px
  2. Set the text alignment to center
  3. Set the margin-top to 50px
8. Look up “clearfix” in google and copy over the cf class code. (or copy it here):

Clearfix CSS:

```
.cf:before,  
.cf:after {  
    content: " ";  
    display: table;  
}  
  
.cf:after {  
    clear: both;  
}
```

## Exercise 3: Layout

Layouts can be tricky in CSS, so it's important to practice.



Make a copy of your Exercise2 file and name it **Exercise3.html**. We want to re-use the navbar.

Note that, even though we're using **position** here, implementing a multi-column layout would be better with floats. With the absolute positioning, things may get wonky upon resizing.

### Markup:

Underneath the closing `</nav>` tag and above the `<footer>` tag, add:

- A `<div>` with the class “main-content-wrapper”. Within this div, create:
  - A `<div>` with the class “column-1”. Within this div add lorem ipsum text in a paragraph.
  - A `<div>` with the class “column-2”. Within this div add lorem ipsum text in a paragraph.
  - A `<div>` with the class “column-3”. Within this div add lorem ipsum text in a paragraph.

### Styling:

Keep the old styling from the last exercise. Add on:

1. The main-content-wrapper class:
  1. Width is 960 px
  2. Margin is 20px auto (20 px vertically, automatic margins horizontally)
  3. Height is 300 px
  4. Overflow-y is auto

2. A common style between classes column-1, column-2, and column-3 (list them out and separate by commands to give one common style)
  1. Border is solid, 1 px thick, and the color #aaaaaa.
  2. Position is absolute
3. Style for **only** class named column-1:
  1. Left is 0px
  2. Top is 0px
  3. Width is 240px
4. Style for **only** class named column-2:
  1. Left is 250px
  2. Top is 0px
  3. Width is 440px
5. Style for **only** class named column-3:
  1. Right is 0px
  2. top is 0px
  3. Width is 240px

Hint: There will be styles for the columns specified both as shared rules and individual rules. For example, for the shared rules you will write:

```
.main-content-wrapper .column-1,  
.main-content-wrapper .column-2,  
.main-content-wrapper .column-3  
{  
    /* Styles go here */  
}
```

But for the individual styles, you will write them normally.