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**CS 2800 – Web Development I**

**Fall 2015**

**Assignment 8 – Responsive Design**

**Due: October 20, 11:59 pm.**

**Turn in:** Upload this completed document to the dropbox on Pilot. Be sure you have renamed it as indicated in step #1 below.

1. Rename this file ***yourLastName\_assignment8.docx***.
2. Download the ***assignment8*** folder from Pilot. Run the index.html file. Notice that when the browser window is resized, some of the contents are hidden. This is because a fixed, rather than fluid, layout is being used.

**Part 1.** Modify the .css so that a fluid layout is used. Proceed as follows:

1. Modify line 10 of the css so that the width of the body is set to 100%.
2. Modify the following widths, margins, and padding that are currently in pixels to an equivalent % of the body. Since the body was originally 1200 px, base your calculations on that figure. Write the property and value you used in the space below.

Line 25: header width 90%

Line 27: header padding-top 1%

Line 35: header img width: 10%

Line 39: header img margin-bottom 0.25%

Line 95: figure width 40%

1. Modify the following widths and font sizes to use the **em** unit rather than pixels. Assume that one em is equivalent to 16 pixels. Write the property and value you used in the space below.

Line 50: header h1 font-size 2em

Line 55: header h2 font-size 1.25em

Line 99: figure font-size . 875em

Line 114: footer font-size .75em

Line 122: footer .social-icon width 1.5em

Line 123: footer .social-icon height 1.5em

1. Run the .html page and verify that it looks correct and that the layout scales when the browser window is resized.

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**Part 2.** Create a new .css file, ***responsive.css***, and add media queries to do the following. Be sure to add a link to the .css file within the .html head section. Other than that link, you may not make any changes to the html!

1. Add a media query so that when the browser window reaches 640px in width, the figures form two columns (note that the html already contains a div section for "left\_column" and a div section for "right-column"). Write the query that you used in the space below.

@media only screen and (min-width: 640px) {

.left\_column {

float: left;

width: 50%;

}

.right\_column {

float: right;

width: 50%;

}

}

1. Add a media query so that when the browser window reaches 960px in width, the navigation menu will appear centered on one line. Write additional css to create a thicker navigation bar. Write the query that you used in the space below

@media only screen and (min-width: 960px) {

header nav ul li {

display: inline-block;

}

header nav {

padding-top: 1px;

padding-bottom: 1px;

}

}