Homework Assignment 1

Centered container, 5pts

Create the html/css structure as shown in class and according to the wireframe diagram below.

You must have a separate html file and css file. Use the LINK tag to connect the css to the html. Create all the formatting in the external css file.

Below are some properties for the css.

```
body {
    padding: 0;
    margin: 0;
    background-color: #cccccc;
    font-size: 100%;
    line-height: 1.2em;
    color: #333333;
    font-family: georgia, times, serif;
}
.container {
    width: 960px;
    background-color: #ffffff;
    margin: 50px auto;
    padding: 10px;
    font-size: .9em;
}
```

Name your root folder '**HW1_yourlastname**'. Upload the files to your gozips server and add a link from your homepage.

This is going to be the basic HTML structure for all homework documents:

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<html>
  <head>
     <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
     <title>title of homework</title>
  </head>
  <body>
  </body>
```
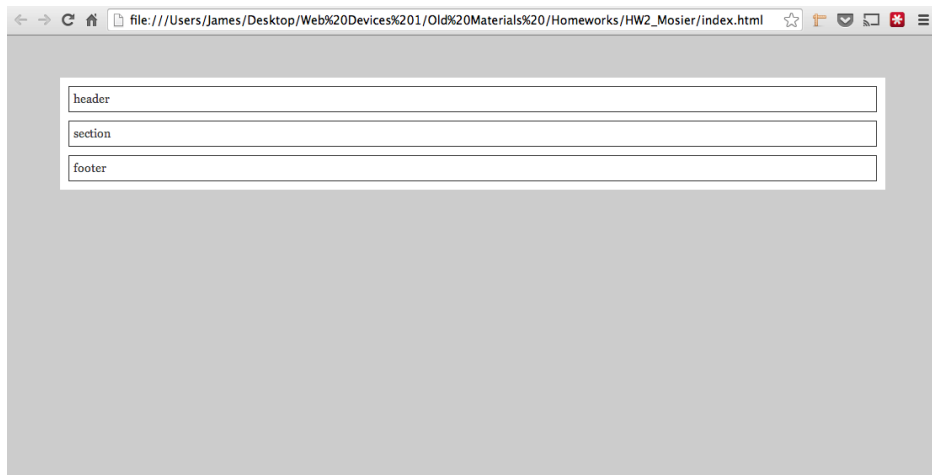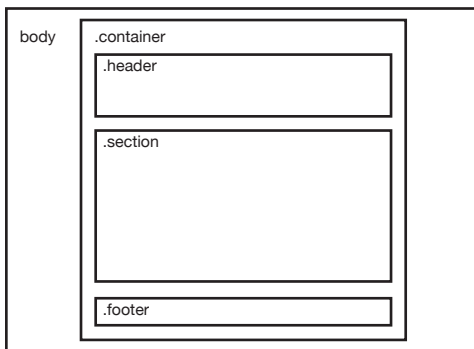
body	.container	

Homework Assignment 2

Three relative divs; header, section and footer divs, 5pts

note=> *Begin with Homework 1.*

Within the .container div, create three more div's for the column structure shown below. The .header div will be listed first within the .container div. The .section div will be next, followed by .footer div. The css for these columns are listed below:

```
.header {
        position: relative;
        margin: 0px;
        padding: 5px;
        border: solid 1px #333;
}
.section {
        position: relative;
        margin-top: 10px;
        margin-right: 0px;
        margin-bottom: 10px;
        margin-left: 0px;
        padding: 5px;
        border: solid 1px #333;
}
.footer {
        position: relative;
        margin: 0px;
        padding: 5px;
        border: solid 1px #333;
}
```

Upload the files to your gozips server and add link from your homepage.

Homework Assignment 3

absolute positioning within a relative div structure, 5pts
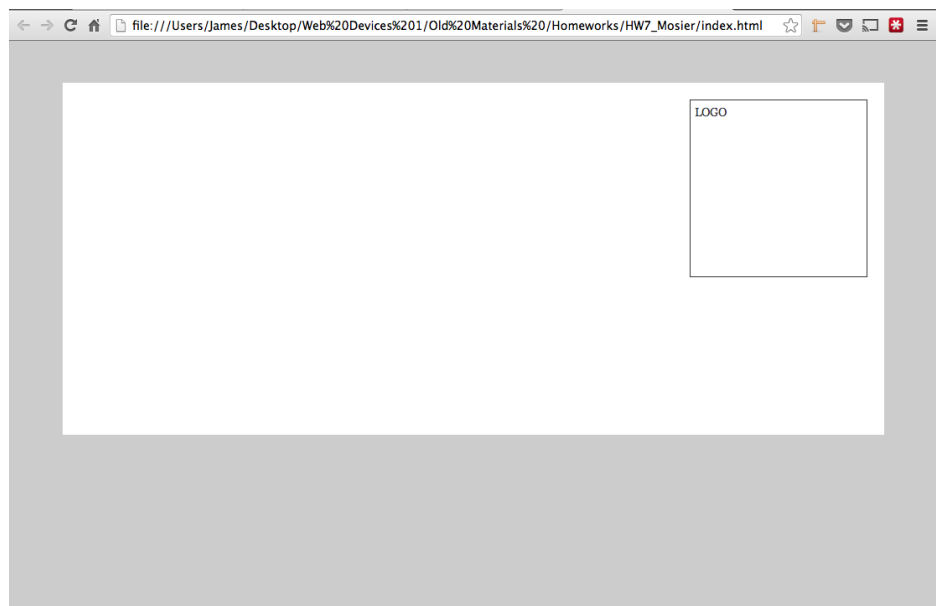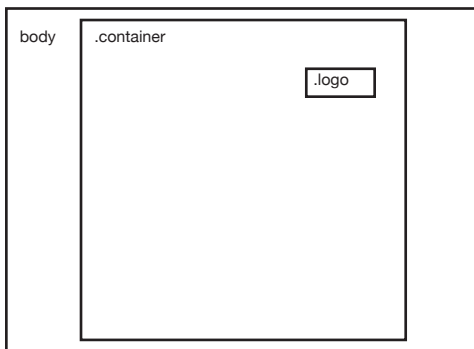
note=> *Begin with Homework 1.*

Within the .container div, create a new div for the logo as shown below. The main difference of this div is the position is set to absolute. The css is listed below:

.logo {
        position: absolute;
        margin: 0px;
        padding: 5px;
        border: solid 1px #333;
        right: 20px;
        top: 20px;
        width: 200px;
        height: 200px;
}

You'll also need to add the following properties to the **.container** class stylesheet. Typically the content on your page will create the height and *you would not set the height in pixels.* Since we have no height from content lets set it in pixels. The container has to be set as relative to allow internal elements to position correctly.

        position: relative;
        height: 400px;

Upload the files to your gozips server and add link from your homepage.
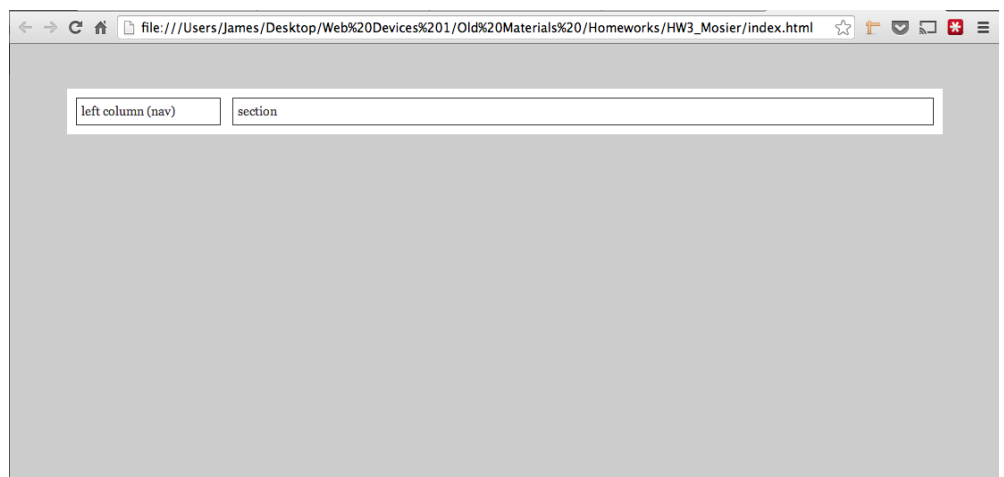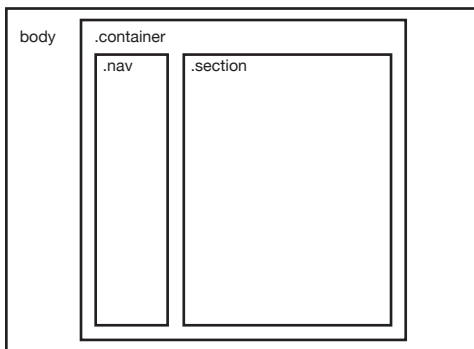
Homework Assignment 4

Two column left layout, 5pts

note=> *Begin with Homework 1.*

Within the .container div, create two more div's for the column structure shown below. The .nav div will be listed first within the .container div. The .section div will follow. The css for these two columns are listed below:

.nav {
       width: 150px;
       position: relative;
       float: left;
       margin: 0px;
       padding: 5px;
       border: solid 1px #333;
}
.section {
       position: relative;
       margin-top: 0px;
       margin-right: 0px;
       margin-bottom: 0px;
       margin-left: 175px;
       padding: 5px;
       border: solid 1px #333;
}

Upload the files to your gozips server and add link from your homepage.
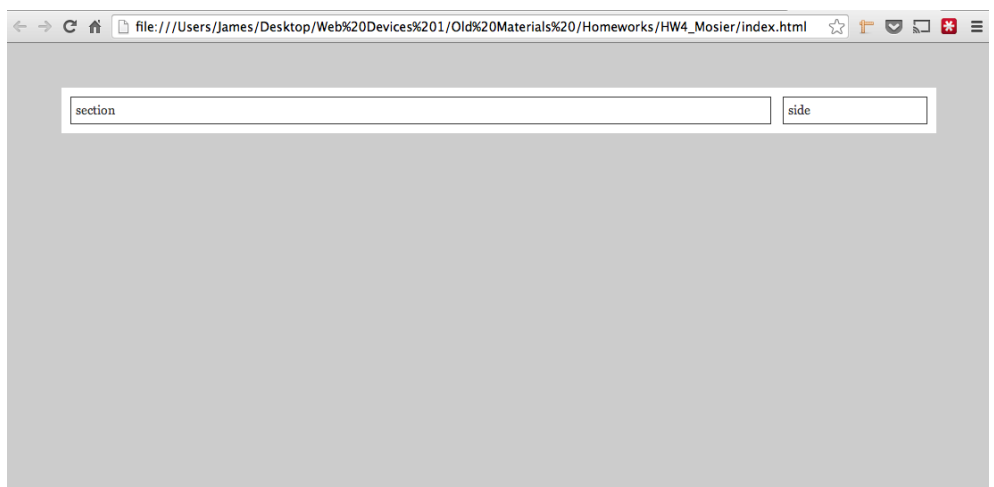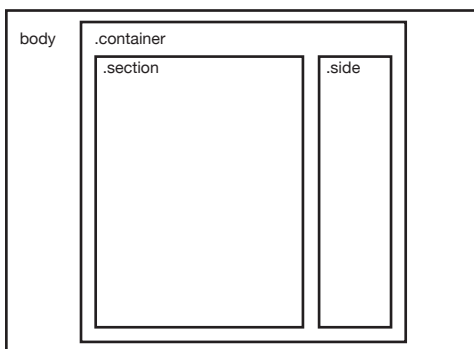
Homework Assignment 5

Two column right layout, 5pts

note=> *Begin with Homework 1.*

Within the .container div, create two more div's for the column structure shown below. The .side div will be listed first within the .container div. The .section div will follow. The css for these two columns are listed below:

.side {
        width: 150px;
        position: relative;
        float: right;
        margin: 0px;
        padding: 5px;
        border: solid 1px #333;
}
.section {
        position: relative;
        margin-top: 0px;
        margin-right: 175px;
        margin-bottom: 0px;
        margin-left: 0px;
        padding: 5px;
        border: solid 1px #333;
}

Upload the files to your gozips server and add link from your homepage.

Homework Assignment 6
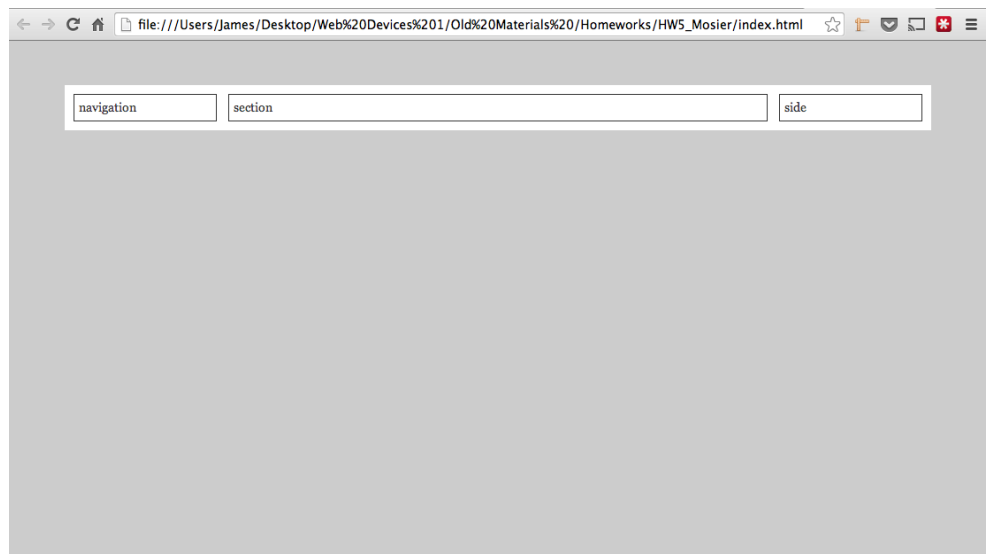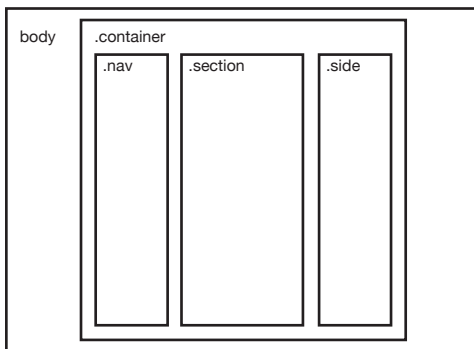
Three column left and right floats layout, 5pts

note=> *Begin with Homework 4.*

Within the .container div, create a new div for the right column structure as shown in the diagram below. The .side div will be listed before the .section div within the .container div. The css for this div is listed below:

.side {
       width: 150px;
       position: relative;
       float: right;
       margin: 0px;
       padding: 5px;
       border: solid 1px #333;
}

In the .section css style, change the right margin to this value:
       margin-right: 0px;

Upload the files to your gozips server and add link from your homepage.

Homework Assignment 7

vertical navigation with unordered list, 5pts

note=> *Begin with Homework 4.*

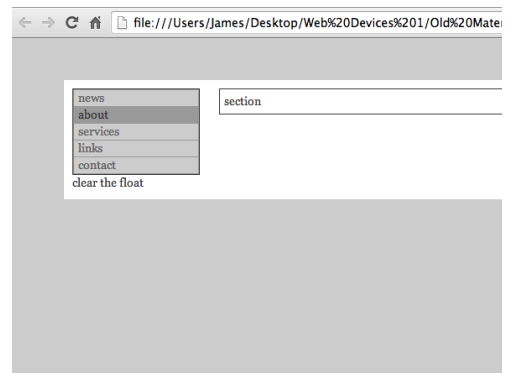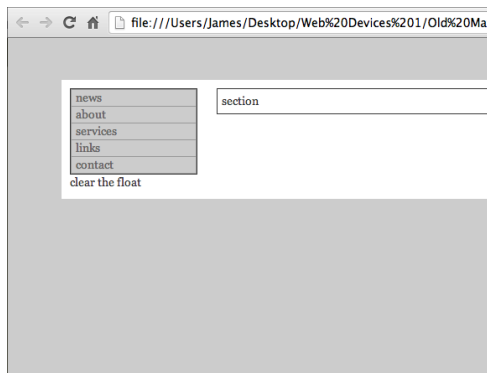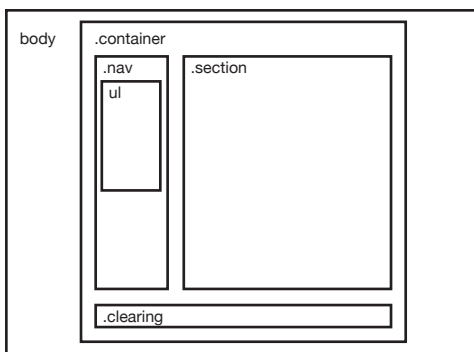Insert an unordered list into the div with class="nav". Create the following ul code to create the list:

```
<ul>
  <li><a href="news.html">news</a></li>
  <li><a href="about.html">about</a></li>
  <li><a href="services.html">services</a></li>
  <li><a href="links.html">links</a></li>
  <li><a href="contact.html">contact</a></li>
</ul>
```

Also add a div with class="clearing" after the section div. Then create a .clearing class in the css file that has the property clear: left;

In the css style for .nav, change padding to 0px. Create the following styles to format the vertical navigation.

```
ul {
        list-style-type: none;
        margin: 0px;
        padding: 0px;
        width: 148px;
        border-top-width: 1px;
        border-right-width: 1px;
        border-left-width: 1px;
        border-top-style: solid;
        border-right-style: solid;
        border-left-style: solid;
        border-top-color: #999;
        border-right-color: #999;
        border-left-color: #999;
}
ul li {
        border-bottom-width: 1px;
        border-bottom-style: solid;
        border-bottom-color: #999;
        padding: 0px;
        margin: 0px;
        overflow: hidden;
}
```

```
ul li a {
        color: #666;
        text-decoration: none;
        margin: 0px;
        background-color: #CCC;
        padding-top: 5px;
        padding-right: 150px;
        padding-bottom: 5px;
        padding-left: 5px;
}
ul li a:hover {
        color: #333;
        text-decoration: none;
        background-color: #999;
}
```


Upload the files to your gozips server and add link from your homepage.

Homework Assignment 8

horizontal navigation with unordered list, 5pts

note=> *Begin with Homework 2.*

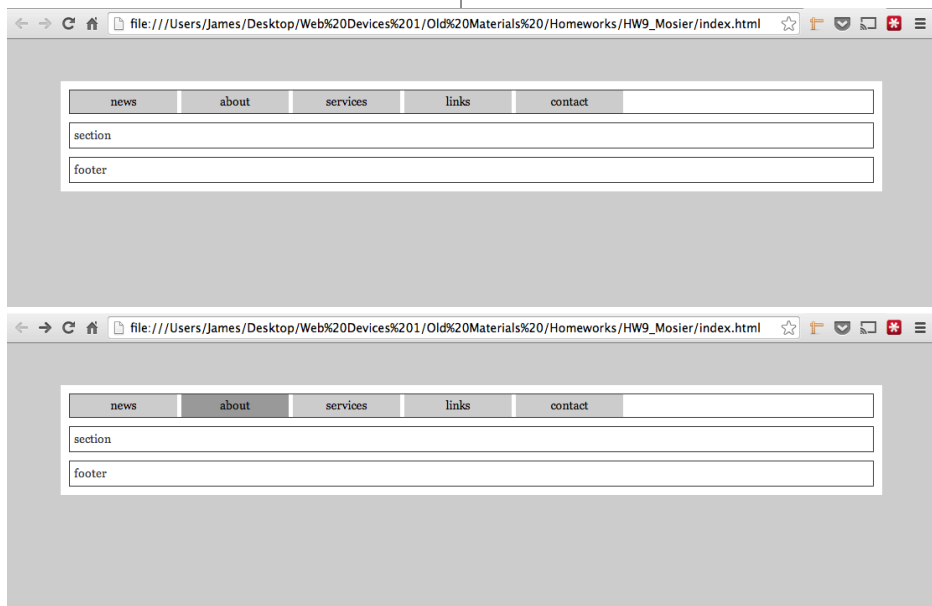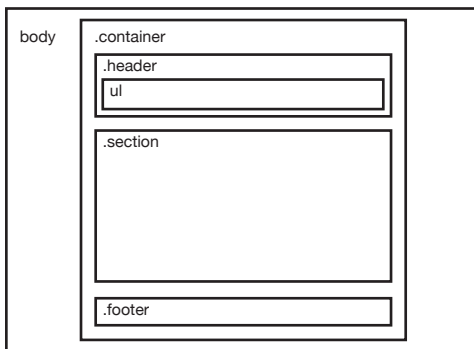Insert an unordered list into the div with class="header" in the html file. Create the following ul code:

```
<ul>
  <li><a href="news.html">news</a></li>
  <li><a href="about.html">about</a></li>
  <li><a href="services.html">services</a></li>
  <li><a href="links.html">links</a></li>
  <li><a href="contact.html">contact</a></li>
</ul>
```

Set the margin in the .header class to 0px.

Create css to format the vertical navigation to look like shown below:

```
ul {
          list-style-type: none;
          margin: 0px;
          padding: 0px;
          overflow: hidden;
ul li {
          margin-right: 5px;
          float: left;
}
```

```
ul li a {
          display: block;
          width: 120px;
          color: #000;
          background-color: #ccc;
          text-align: center;
          padding: 4px;
          text-decoration: none;
}
ul li a:hover {
          background-color: #999;
}
```


Upload the files to your gozips server and add link from your homepage.

Homework Assignment 9

images, 5pts

Begin with Homework 1.

Part 1:

For this assignment you will need 2 images. First image sized to 200x200px at 72ppi. Second image should be at least 960x500px at 72ppi. Save these images as jpeg or gif format and locate in an images folder inside your public folder for this homework assignment.

Within the .container div, create three div's for structure shown below. Class each div as .thumbnail and use the css below:

```
.thumbnail {
        position: relative;
        float: left;
        margin: 10px;
        border: solid 1px #333;
}
```

Insert your image in to the thumbnail div's using similar code to this:
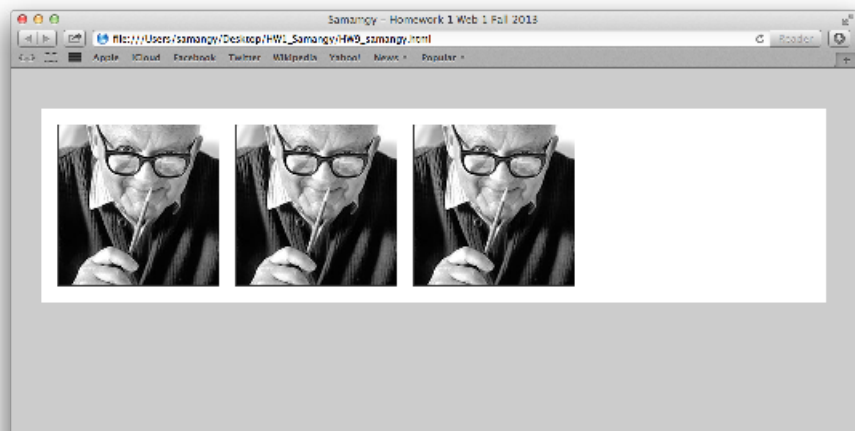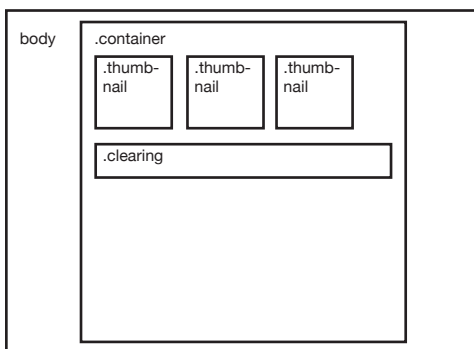```

```

To have the container wrap the entire content area remember to include a clearing element below these floated divs. create another div below the last thumbnail div and before the containers closing div tag. Use the class=clearing.

```
.clearing {
        clear: left;
        margin: 0px;
        padding: 0px;
        line-height: 1px;
        font-size: 1px;
}
```

Part 1 result:

Homework Assignment 9

images, 5pts

note=> *Continue with Homework 9.*

Part 2:

An image can be placed in the background of any css box (containing element) in html, such as body, div, span, ul, li, p, h1, a, etc...

Add the following properties to your .container class in the css file, be sure to change the name of the file to reflect your image name and location:

> background-image: url('images/nebula.jpg');
> background-repeat: no-repeat;
> background-position: ;
>> *(use pixel location or general location, see w3schools.com for more examples)*

Create the following class in your css file:

.featuredThumb {
> background-color: #ffffff;
> padding: 5px;
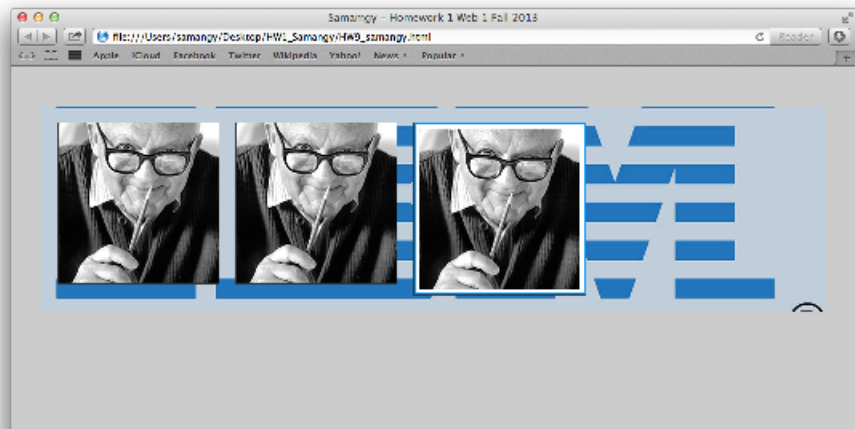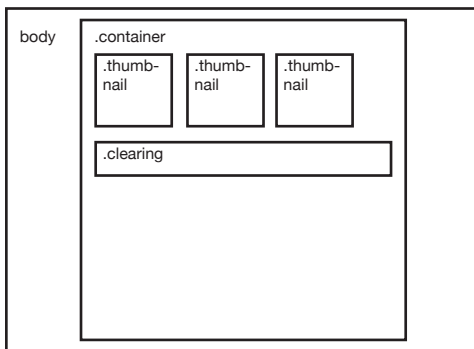> border: solid 2px #0099ff;

}

Select one or more of the images in the .container div and give them a class="featuredThumb" attribute. Note that you can use an id or class for images on the page. Example code below:

```
<img src="Paul-Rand.jpg" alt="rand" width="200" height="200"
class="featuredThumb" />
```

Upload the files to your gozips server and add link from your homepage.

Part 2 result:

Homework Assignment 10

headlines and paragraphs, 5pts

note=> *Begin with Homework 2.*

Part 1:

Within the .header div add the h1 and p tags shown below:
    <h1>UA News</h1>
    <p>more headlines</p>

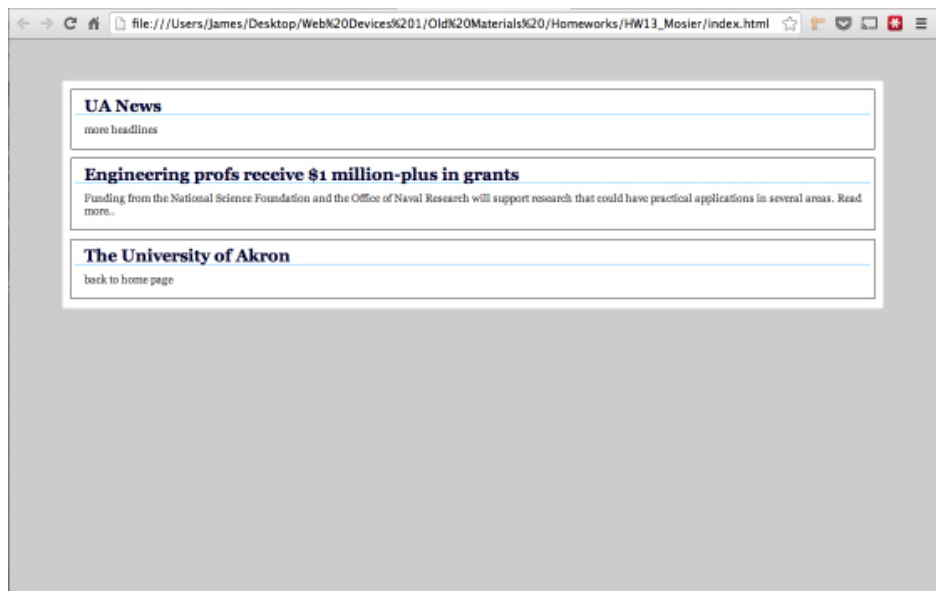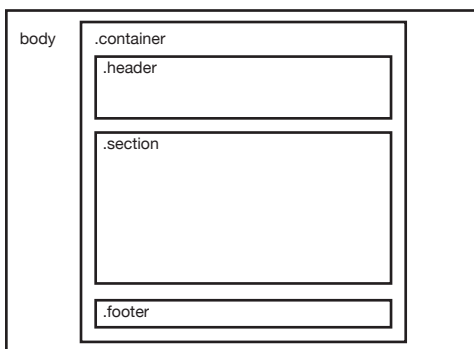Within the .section div add the h1 and p tags shown below:
    <h1>Engineering profs receive $1 million-plus in grants</h1>
    <p>Funding from the National Science Foundation and the Office of Naval Research will
    support research that could have practical applications in several areas. Read more..</p>

Within the .footer div add the h1 and p tags shown below:
    <h1>The University of Akron</h1>
    <p>back to home page</p>

Create css styles to redefine these two HTML tags. There is only 1 <p> tag and 6 levels of
headline tags <h1> through <h6>. They are defined in css same as any other tag.

```
h1 {
        font-size: 1.4em;
        color: #003;
        border-bottom-width: 1px;
        border-bottom-style: dotted;
        border-bottom-color: #09F;
        margin-top: 5px;
        margin-right: 0px;
        margin-bottom: 0px;
        margin-left: 0px;
        padding-top: 0px;
        padding-right: 0px;
        padding-bottom: 0px;
        padding-left: 10px;
}
```

```
p {
        margin: 0px;
        padding: 10px;
        font-size: .9em;
        line-height: 1.2em;
}
```

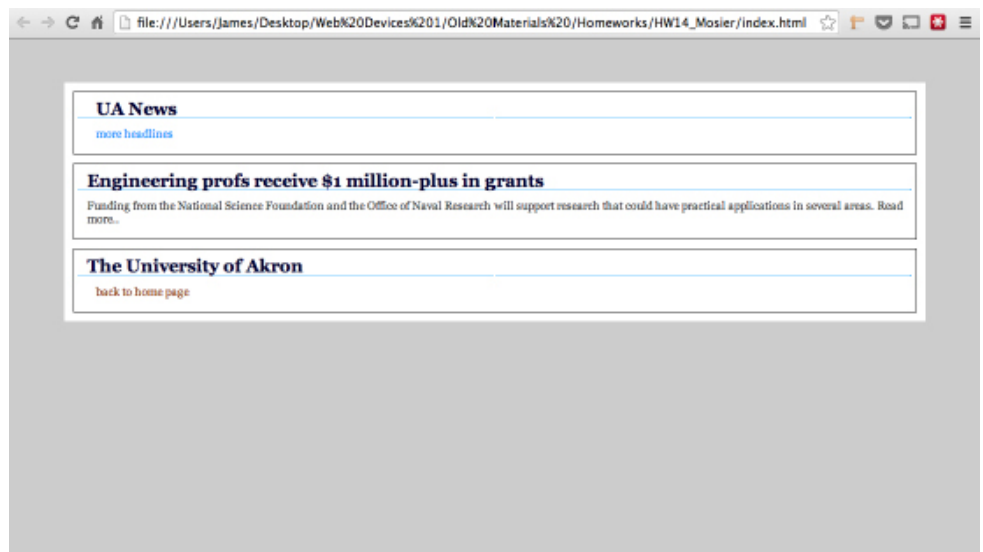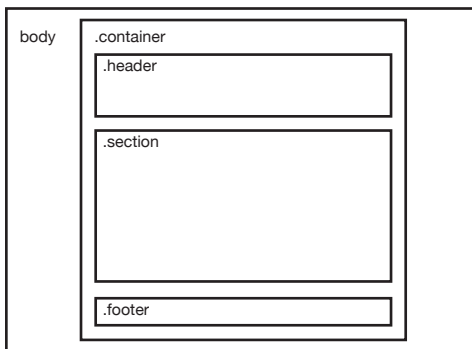# Homework Assignment 10

headlines and paragraphs, 5pts

note=> *Continue with Homework 10.*

Part 2:

Create the following css rules. Notice which headline and paragraph these styles get applied to.

.header h1 {
         padding-left: 20px;
}

.header p {
         margin: 0px;
         padding-left: 20px;
         color: #09F;
}
.footer p {
         margin: 0px;
         padding-left: 20px;
         color: #930;

}

Selectors can be compounded together to define specific areas of a page. This allows for many tags (headlines, paragraphs, lists, tables, etc) to be used in the html but format differently based on the box they are contained within.

Homework Assignment 10

headlines and paragraphs, 5pts

note=> *Continue with Homework 10.*

Part 3:

Create the following css styles.

```
h1.maincontent {
        font-size: 2em;
        color: #930;
        border-bottom-width: 1px;
        border-bottom-style: dotted;
        border-bottom-color: #900;
        padding-left: 50px;
}
```

```
.footer p.copyright {
        margin: 0px;
        padding: 50px;
        color: #f00;
        font-size: .8em;
}
```

Also, In the html code, set a "class" attribute for h1 and p as follows and notice the styles get applied to specific headlines and paragraphs.

```
<body>
  <div class="container">
    <div class="header">
      <h1></h1><p></p>
    </div>
    <div class="section">
      <h1 class="maincontent"></h1><p></p>
    </div>
    <div class="footer">
      <h1></h1><p class="copyright"></p>
    </div></div>
</body>
```

These are examples of more complex compound selectors. Notice how detailed and specific your styles can become. Upload the homework to your gozips web site and add a link to view.