CSS 2

Prep Work

- Finish CSS 1 In-Class and Homework exercises and post to web server public_html/class-samples (email the link to instructor)

- Continue Treehouse How to make a website or CSS Basics

  https://teamtreehouse.com/library/css-basics

  https://teamtreehouse.com/library/how-to-make-a-website

Today's Class:

▫ Review and Coding Exercise from last class

▫ Additional Coding Exercise

▫ Styling Lists

▫ Styling Tables

▫ Styling Forms and Form Elements

▫ Structure and Layout

Create part of the Cartoon Network website in the next slide using **HTML 5 and CSS**- (Instructor will send images)

- Name the page cartoon.html and save it to public_html/class-samples/

- Link the CSS page to an external stylesheet called stylesheet.css and save it to public_html/class-samples/css

- Upload the images, stylesheet.css and cartoon.html files up to the web server and send the instructor the link

CSS 2

Games   Video   Community   Apps   Shop

RHYTHMIC ROMANCE

SHIFTING TEMPLE

DIMENSIONAL DOMINATION

Summary of Page Layout Methods:

Tables (old method)

```
<!doctype html>
<html>
<head>
<meta charset="UTF-8">
<title>Untitled Document</title>
</head>

<body>
    <table width="1024" border="1" cellspacing="0" cellpadding="0">

    <tr>
      <td colspan="3"> </td>
    </tr>
    <tr>
      <td> </td>
      <td> </td>
      <td> </td>
    </tr>
    <tr>
      <td> </td>
      <td> </td>
      <td> </td>
    </tr>
</table>


</body>
</html>
```

Normal Flow Divs (still used)

```
<!doctype html>
<html>
<head>
<meta charset="UTF-8">
<title>Untitled Document</title>
</head>

<body>

<div class="container">

    <div>Left Col</div>
    <div>Right Col</div>

</div>


</body>
</html>
```

Normal Flow HTML5 (new)

```
<!doctype html>
<html>
<head>
<meta charset="UTF-8">
<title>Untitled Document</title>
</head>

<body>

<header></header>

<nav></nav>

<section>

    <article></article>
    <aside></aside>

</section>

<footer></footer>


</body>
</html>
```

CSS Selectors:

HTML Tags

Tags

```html
<!doctype html>
<html>
<head>
<meta charset="UTF-8">
<title>Untitled Document</title>
</head>

<body>
    <div class="container">

        <p id="paragraph"></p>

        <div class="col1"></div>
        <div class="col2"></div>


    </div>
</body>
</html>
```

#IDs and .Classes

```css
.container {

    width:1024px;
    color:red;

}


#paragraph {
    color:white;

}



.col1 {
    width:400px;
    height:400px;
    color:red;

}


.col2 {
    width:400px;
    height:400px;
    color:red;

}
```

HTML5

```css
body{
    background-color:gray;
}

header {

color:red;

}

nav {

    background-color:gray;
    color:black;

}

section {

color:red;

}

footer {

    background-color:gray;
    color:black;

}
```

Coding Exercise

Create the City Gallery webpage in the next slide using **Divs and CSS**- (Instructor will send the text)

- Name the page city-css.html and save it to
  public_html/class-samples/
- Link the CSS page to an external stylesheet called city.css
  and save it to public_html/class-samples/css
- Whole page should be centered and links should hover red

- Upload the city-css.html files up to the web server and
  send the instructor the link

City Gallery

London

Paris

London

London

London is the capital city of England. It is the most populous city in the United Kingdom, with a metropolitan area over 13 million inhabitants.

Standing on the River Thames, London has been a major settlement for two millennia, its history going back to its founding by the romans, who named it Londonium.

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Lists

list-style-type:(options)
For Unordered

- ▣ disc
- ▣ circle
- ▣ square
- ▣ none

For an unordered list you can use the following values:

- none
- ● disc
- ○ circle
- ■ square

Images
E.g. list-style-image: url(…);

For Ordered

- ▣ Numbers and Letters

decimal
1 2 3

decimal-leading-zero
01 02 03

lower-alpha
a b c

upper-alpha
A B C

lower-roman
i. ii. iii.

upper-roman
I II III

HTML

```
<h1>The Complete Poems</h1>
<h2>Emily Dickinson</h2>
<ol>
    <li>Life</li>
    <li>Nature</li>
    <li>Love</li>
    <li>Time and Eternity</li>
    <li>The Single Hound</li>
</ol>
```

External CSS

```
ol {
    list-style-type: lower-roman;
}
```

Result

The Complete Poems

Emily Dickinson

   i. Life
  ii. Nature
 iii. Love
  iv. Time and Eternity
   v. The Single Hound

HTML/ Internal CSS

```
<!doctype html>
<html>
<head>
<meta charset="UTF-8">
<title>Untitled Document</title>

<style>
ul {

list-style-image:url(images/images.png);

}

</style>
</head>

<body>
<h1>Index of Translated Poems</h1>
<h2>Arthur Rimbaud</h2>
<ul>
<li>Ophelia</li>
<li>To Music</li>
<li>A Dream for Winter</li>
<li>Vowels</li>
<li>The Drunken Boat</li>
</ul>
</body>
</html>
```

Result

Index of Translated Poems

Arthur Rimbaud

- Ophelia
- To Music
- A Dream for Winter
- Vowels
- The Drunken Boat

Note: if you are using an External CSS stylesheet the file/folder path is list-style-type:url(../images/images.png);

Construct a page with the following bullets using external stylesheet: Save the CSS as icons.css in the public_html/class-samples/css

3 Bullets: Apple, Orange, Banana
- ⊡ Style the bullets with 3 icons provided save them in the public_html/class-samples/images folder

- ⊡ Save the page as icons.html in the public_html/class-samples folder

Tomato

Orange

Banana

Tables

Styling Tables

- Can use much of what we have already covered
  - color
  - background-color
  - width
  - padding
  - text-transform
  - text-align
  - font-size
  - hover
- Can also use **class** or **id** in combination to affect specific areas of the table

External CSS

```
body {
    font-family: Arial, Verdana, sans-serif;
    color: #111111;}
table {
    width: 600px;}
th, td {
    padding: 7px 10px 10px 10px;}
th {
    text-transform: uppercase;
    letter-spacing: 0.1em;
    font-size: 90%;
    border-bottom: 2px solid #111111;
    border-top: 1px solid #999;
    text-align: left;}
tr {
    background-color: #efefef;}
td:hover {
    background-color: #c3e6e5;}
```

HTML

```html
<table>

    <tr>
     <td>Item</td>
     <td>Price</td>
     <td>Quantity</td>

    </tr>
    <tr>
     <td> </td>
     <td> </td>
     <td> </td>

    </tr>
    <tr>
     <td> </td>
     <td> </td>
     <td> </td>

    </tr>

</table>
```

CSS(internal)

```html
<style>
table {
    background-color:#dadada;
    color:#2F39B4;
    width:300px;

}
td {
    text-align:center;
    width:120px;
}
</style>
```

Result

Item	Price	Quantity

Construct a table page with the following using external styling:

A table with 3 rows and 3 columns **(see next slide for example)**

  □Make the table 360 pixels wide, and cells 120 pixels wide

  □Place "Item" "Price" "Quantity" inside the cells across the top of the table

  □Style the table with a gray background

  □Make the text color blue

  □Align the text in the center of the cells.
    Extra Credit: make the cells change when you hover

  ▫ Save the page as css-table.html in the public_html/class-samples folder

  ▫ Name the css file tablestyle.css and save the css stylesheet to public_html/class-samples/css

  ▫ Upload the page to your public_html/class-samples directory on the web server

Item	Price	Quantity

Forms

Styling Forms

- Can use much of what we have already covered
  - color
  - background-color
  - border-radius
  - padding
  - hover
  - focus
  - background-image
  - Can also use **classes** or **ids** in combination to affect specific areas of a form

HTML

Internal CSS

Result

```html
<body>
<form>

<input id="email" type="text">
<input  id="twitter" type="text">
<input id="web" type="text">

</form>
</body>
```

```css
<style>
input {
font-size: 120%;
color: #5a5854;
background-color: #f2f2f2;
border: 1px solid #bdbdbd;
border-radius: 5px;
padding: 5px 5px 5px 30px;
background-repeat: no-repeat;
background-position: 8px 9px;
display: block;
margin-bottom: 10px;
}
input:hover {
    background-color: #c3e6e5;
}
input:focus {
background-color: #ffffff;
border: 1px solid #b1e1e4;}
input#email {
background-image: url("images/email.png");}
input#twitter {
background-image: url("images/twitter.png");}
input#web {
background-image: url("images/web.png");}
```

Rendering

- *-Moz and -Webkit* are a web browser rendering, rendering engine used by Safari and Chrome (among others, but these are the popular ones). The *-webkit* prefix on *CSS* selectors are properties that only this engine is intended to process, very similar to -moz properties.

- These are the vendor-prefixed properties offered by the relevant rendering engines (-webkit for Chrome, Safari; -moz for Firefox, -o for Opera, -ms for Internet Explorer). Typically they're used to implement new, or proprietary CSS features, prior to final clarification/definition by the W3.

- This allows properties to be set specific to each individual browser/rendering engine in order for inconsistencies between implementations to be safely accounted for. The prefixes will, over time, be removed (at least in theory) as the unprefixed, the final version, of the property is implemented in that browser.

Rendering Syntax for Browsers

```css
.elementClass {
  -moz-border-radius: 2em;    /* Mozilla Firefox */
  -ms-border-radius: 2em;     /* Microsoft */
  -o-border-radius: 2em;      /* Opera */
  -webkit-border-radius: 2em; /* Chrome */
  border-radius: 2em;

  -webkit-box-shadow: 1px 10px 100px 0px rgba(102, 51, 153, 0.75);
  -moz-box-shadow: 1px 10px 100px 0px rgba(102, 51, 153, 0.75);
  box-shadow: 1px 10px 100px 0px rgba(102, 51, 153, 0.75);
}
```

NOTE: Be sure to include all in code for support on every browser.

Visit https://border-radius.com/ to use a WYSIWYG border radius generator.

Visit https://www.cssboxshadow.com/ to use a WYSIWYG box shadow generator.

Styling Buttons

- *Webkit* is a web browser rendering rendering engine used by Safari and Chrome (among others, but these are the popular ones). The -*webkit* prefix on *CSS* selectors are properties that only this engine is intended to process, very similar to -moz properties.
- SITE LINK

http://css3buttongenerator.com/

```
input#submit {
color: #444444;
text-shadow: 0px 1px 1px #ffffff;
border-bottom: 2px solid #b2b2b2;
background-color: #b9e4e3;
background: -webkit-gradient(linear, left top,
left bottom, from(#beeae9), to(#a8cfce));
background:
-moz-linear-gradient(top, #beeae9, #a8cfce);
background:
-o-linear-gradient(top, #beeae9, #a8cfce);
background:
-ms-linear-gradient(top, #beeae9, #a8cfce);}
input#submit:hover {
color: #333333;
border: 1px solid #a4a4a4;
border-top: 2px solid #b2b2b2;
background-color: #a0dbc4;
background: -webkit-gradient(linear, left top,
left bottom, from(#a8cfce), to(#beeae9));
background:
-moz-linear-gradient(top, #a8cfce, #beeae9);
background:
-o-linear-gradient(top, #a8cfce, #beeae9);
background:
-ms-linear-gradient(top, #a8cfce, #beeae9);}
```

Styling Buttons

HTML

```
<body>
<form>
<input type="submit" id="submit">
</form>
</body>
</html>
```

Internal CSS

```
<style>
input#submit {
color: #444444;
text-shadow: 0px 1px 1px #ffffff;
border-bottom: 2px solid #b2b2b2;
background-color: #b9e4e3;
background: -webkit-gradient(linear, left top,
left bottom, from(#beeae9), to(#a8cfce));
background:
-moz-linear-gradient(top, #beeae9, #a8cfce);
background:
-o-linear-gradient(top, #beeae9, #a8cfce);
background:
-ms-linear-gradient(top, #beeae9, #a8cfce);}
input#submit:hover {
color: #333333;
border: 1px solid #a4a4a4;
border-top: 2px solid #b2b2b2;
background-color: #a0dbc4;
background: -webkit-gradient(linear, left top,
left bottom, from(#a8cfce), to(#beeae9));
background:
-moz-linear-gradient(top, #a8cfce, #beeae9);
background:
-o-linear-gradient(top, #a8cfce, #beeae9);
background:
-ms-linear-gradient(top, #a8cfce, #beeae9);}


</style>
```

Result

Submit

Styling Fieldsets

Similar Declarations
- ❏ border
- ❏ padding
- ❏ border radius
- ❏ text-align
- ❏ text-transform

HTML

```
<body>
<form>
<fieldset><legend>Contact Form</legend>
<input id="email" type="text">
<input  id="twitter" type="text">
<input id="web" type="text">
</fieldset>
</form>
</body>
</html>
```

Internal CSS

```
<style>
input {
font-size: 120%;
color: #5a5854;
background-color: #f2f2f2;
border: 1px solid #bdbdbd;
border-radius: 5px;
padding: 5px 5px 5px 30px;
background-repeat: no-repeat;
background-position: 8px 9px;
display: block;
margin-bottom: 10px;
}
input:hover {
    background-color: #c3e6e5;
}
fieldset {
width: 350px;
border: 1px solid #dcdcdc;
border-radius: 10px;
padding: 20px;
text-align: right;}
legend {
background-color: #efefef;
border: 1px solid #dcdcdc;
border-radius: 10px;
padding: 10px 20px;
text-align: left;
text-transform: uppercase;}

</style>
```

Result

Construct a form with the following fields :

□First Name
□Last Name
□Phone Number

- Style the form with a fieldset and legend using external styling. (colors used: #f2f2f2, #c3e6e5, #bdbdbd,#efefef,#dcdcdc

- Name the html file css-form.html and save the form to your public_html/class-samples directory Name the css file formstyle.css and save the css stylesheet to public_html/class-samples/css

- Upload to your web server and email instructor the link.

Contact Form

First Name:

Last Name:

Phone Number:

Structures & Layout

Setting Up Structure and arranging boxes

Declaration Statement (Property and Value):
- ❏ float:left;
- ❏ float:right;
- ❏ clear:both;
- ❏ width, height, padding, margin

(Example File in next two slides)

Setting Up A Basic Div Structure No Styling

Logo
TOP INFO

- LINK GOES HERE
- LINK GOES HERE
- LINK GOES HERE
- LINK GOES HERE

BANNER
LEFT COLUMN CONTENT
RIGHT COLUMN CONTENT
FOOTER

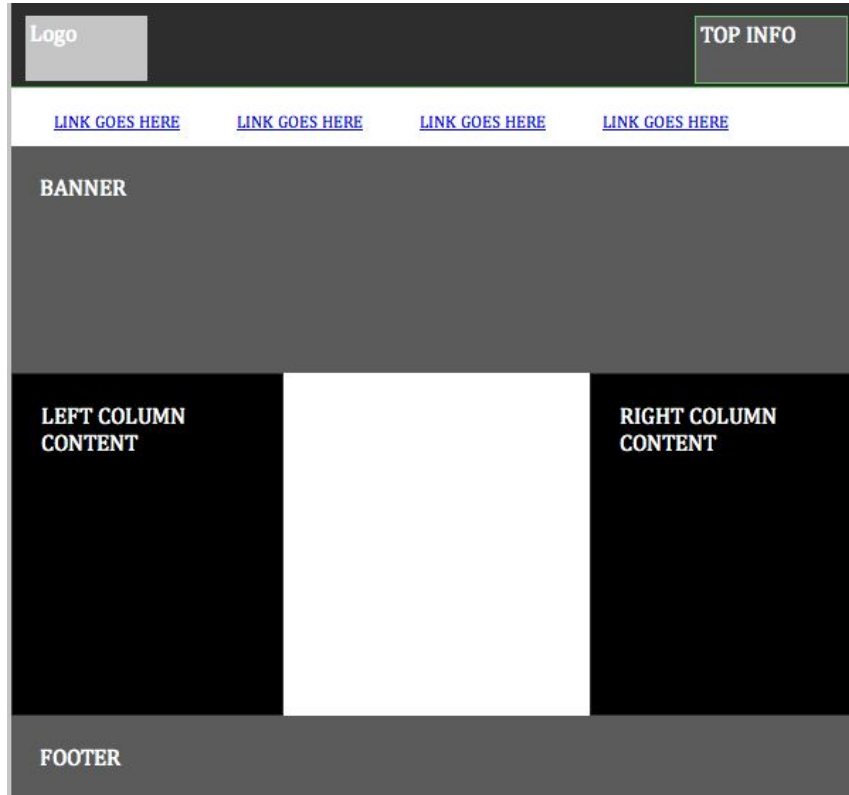# Setting Up A Basic Div Structure (HTML)

```html
<!doctype html>
<html>
<head>
 <meta charset="UTF-8">
 <title>Divs</title>
</head>
<body>
 <!--Container -->
 <div id="container">
   <!--Header -->
   Setting Up A Basic Div Structure (HTML)
   <div id="header">
     <div id="logo">Logo</div>
     <div id="top_info">TOP INFO</div>
   </div>
   <!--Header End-->
   <div id="navbar">
     <ul>
       <li><a href="URL">LINK GOES HERE</a></li>
       <li><a href="URL">LINK GOES HERE</a></li>
       <li><a href="URL">LINK GOES HERE</a></li>
       <li><a href="URL">LINK GOES HERE</a></li>
     </ul>
   </div>
   <!--Nav End-->
   <!--Content Area -->
   <div id="content_area">
     <div id="banner">BANNER</div>
     <div id="left_col">LEFT COLUMN CONTENT</div>
     <div id="right_col"> RIGHT COLUMN CONTENT</div>
   </div>
   <!--Content Area End-->
   <!--Footer -->
   <div id="footer">FOOTER</div>
 </div>
 <!--End Container -->
</body>
</html>
```

Setting Up A Basic Div Structure - With Styling

Setting Up A Basic Div Structure - With CSS Styling Using HTML Structure

```css
@charset "UTF-8";
/* CSS Document */

html {font-family:Cambria, "Hoefler Text", "Liberation Serif", Times, "Times New Roman", serif;}
body {background: #CCC; margin:0;}

#container { width:600px; margin:0 auto; background:#FFF;}
#header { width:100%; height:60px; border-bottom:1px solid #7C7; background-color:#333; color:#FFF;}
#logo {float:left; width:80px; height:40px; margin:10px; background-color:#CCC; padding:3px;}
#top_info {float:right; width:100px; height:40px; background-color:#666; border:1px solid #7C7; margin:10px; padding:3px;}
#navbar { height:10px; clear:both;}
#navbar ul { margin:0; padding:0; list-style-type:none;}
#navbar ul li {float:left; padding:10px;}
#navbar ul li a {float:left; font-size:12px; padding: 0 0 0 20px;}
#banner {background:#666; height:120px; clear:both; color:#FFF; padding:20px;}
#left_col {float:left; width:150px; height: 200px; border:1px solid #333; background-color:#000; color:#FFF; padding:20px;}
#right_col {float:right; width:150px; height: 200px; border:1px solid #333; background-color:#000; color:#FFF; padding:20px;}
#footer { clear:both; padding:20px;background-color:#666; color:#FFF;}
```
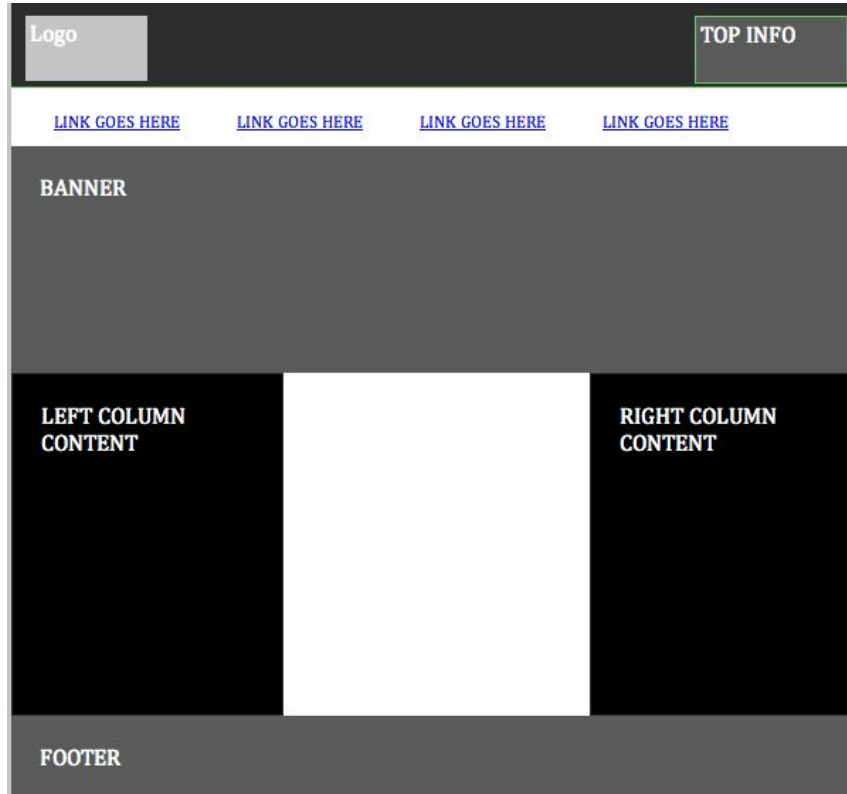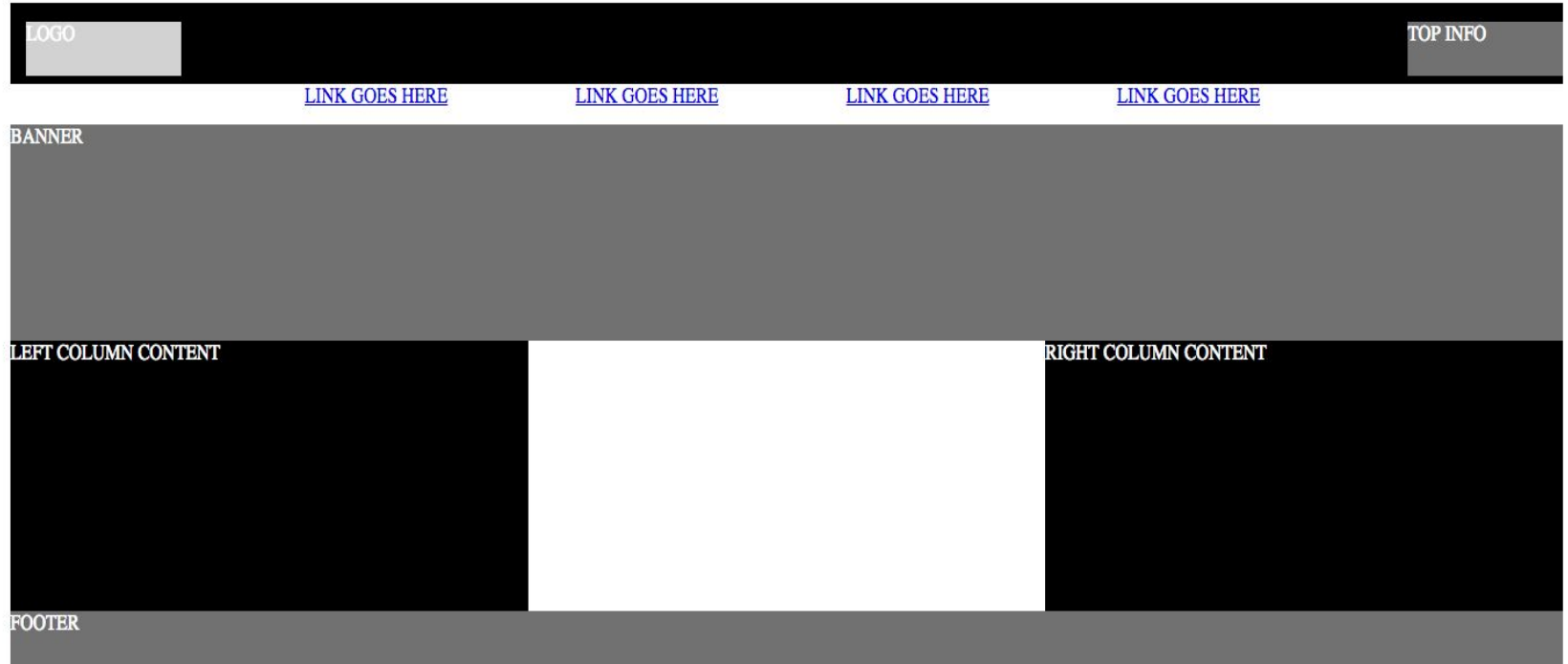
3

CSS

Exercise

- ⊡ Construct the following page using **Div Method** using **classes** or **ids** and linking to an external CSS stylesheet.

- ⊡ Use px for widths, margin, and cellpadding. Use px for height

- ⊡ Upload the page to your public_html/class-samples directory and name the page div-exercise2.html

- ⊡ Upload your css to public_html/class-samples/css and name it div-style2.css

- ⊡ Email instructor a link to your files

Setting Up A Basic Div Structure - With Styling

- Construct/Convert the following page using **HTML 5 Method** using **classes** or **ids** and linking to an external CSS stylesheet.

- Use % for widths, margin, and cellpadding. Use px for height

- Upload the page to your public_html/class-samples directory and name the page html5-exercise2.html

- Upload your css to public_html/class-samples/css and name it html5-style2.css

- Email instructor a link to your files

LOGO

TOP INFO

LINK GOES HERE   LINK GOES HERE   LINK GOES HERE   LINK GOES HERE

BANNER

LEFT COLUMN CONTENT

RIGHT COLUMN CONTENT

FOOTER

- Add content provided by instructor and adjust styling to look like the screenshot. Links in both navs should hover

- Upload the page to your public_html/class-samples directory and name the page html5-exercise3.html

- Upload the images to public_html/class-samples/images

- Upload your css to public_html/class-samples/css and name it html5-style3-css

- Email instructor a link to your files

- Complete and Upload exercises to web server samples folder

- Read through CSS Materials

- Treehouse
  https://teamtreehouse.com/library/css-basics

  https://teamtreehouse.com/library/how-to-make-a-website

- Finish All HTML and Sample CSS projects, upload them and send links to instructor

3

End