

Lab: Intro to CSS

LAYOUT WITH CASCADING STYLE SHEETS

For this lab we will take a single page of HTML containing Lorem Ipsum text and position elements to make it appear in different formatting styles -- first a personal blog , then a newspaper.

Requirements

Your job is to edit the style file linked to by this HTML file, so that the appearance of the document matches the description below.

Use Layout.html file that is illustrated in the following:

Lorem Ipsum Dolor

Curabitur volutpat mauris in lorem.

Sit amet

consectetur adipiscing elit. Curabitur sem arcu, tempus ac, gravida suscipit, commodo in, risus. Phasellus eu orci ut quam iaculis tempus. Ut at enim. Phasellus diam lectus, pellentesque sed, ullamcorper et, pretium vel, tellus. Donec neque. Maecenas in justo sed arcu aliquet suscipit. Aliquam non est. Quisque pellentesque bibendum mauris. Donec et orci et lectus pharetra posuere. In eleifend, libero vel faucibus vestibulum, neque lectus ultricies dolor, non malesuada leo arcu sit amet erat. Phasellus eros. Vestibulum ornare, lectus et cursus feugiat, risus justo faucibus lacus, sit amet vulputate eros urna vel pede. Vestibulum dapibus dolor eu eros sodales tristique.

Nam Sit

Amet felis in sapien dapibus pharetra. Donec mauris. Suspendisse quis diam at lectus interdum imperdiet. Aliquam cursus metus sed nunc. Sed dignissim tincidunt mi. Vivamus pharetra ultricies quam. Fusce rhoncus. Aliquam blandit molestie tellus. Vivamus sed eros. Praesent accumsan blandit augue. Donec nulla. Aenean pede leo, dignissim id, tincidunt eu, condimentum non, tortor. Vestibulum imperdiet mi quis tortor. Quisque sed elit vitae enim euismod consectetur. Vivamus interdum, purus in scelerisque aliquam, mi leo cursus nunc, ut vehicula nulla mi nec mauris. Etiam dui. Nulla fermentum ante eget metus molestie pulvinar. Mauris aliquet.

Mauris Hendrerit

Posuere sapien. Maecenas vitae lectus. Proin egestas posuere arcu. Nunc et ipsum sed sapien blandit hendrerit. Vestibulum pulvinar massa vel tortor. Quisque lobortis, odio vitae faucibus feugiat, mi metus pharetra arcu, id ullamcorper ante justo sed lorem. Nam et turpis. Cras interdum rutrum mauris. Fusce est urna, vulputate ut, interdum ut, dolor. Duis vitae tellus in mi faucibus porta.

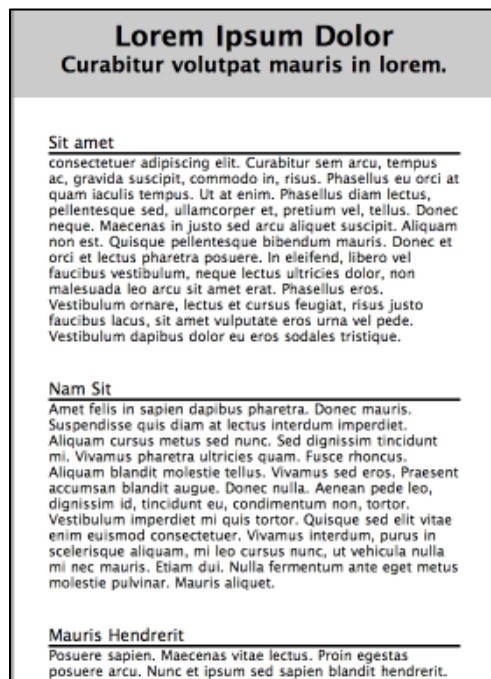
Nam Placerat

tellus at risus. Phasellus vel metus. Sed a urna. Suspendisse vehicula, arcu vitae dapibus vehicula, justo nulla consectetur tortor, vitae varius risus purus in turpis. Nunc ut mauris eu diam cursus iaculis. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc at odio dapibus magna lobortis venenatis. Mauris mauris purus, euismod sed, consectetur eu, tincidunt eget, urna. Maecenas nulla. Proin orci leo, vehicula nec, dignissim rhoncus, luctus nec, odio. Integer pharetra varius nisl. Ut sit amet purus quis est mollis ornare.

Praesent posuere

Augue vitae pretium venenatis, nunc metus varius velit, a ultricies dolor elit vitae nisl. Proin mollis massa a justo. Aenean orci. Nam elementum fringilla nisl. Nunc eu massa nec eros sodales gravida. Suspendisse ipsum nisl. gravida non, venenatis et, volutpat et, sem. Etiam iaculis nulla. Ouisque hendrerit. Cras molestie. Morbi nunc augue, iaculis quis, tincidunt nec, mauris quis, justo.

You will add a css link in the HTML file and modify it so the page will look as:



Instructions:

1. Download *layout.html* to some place where you can save and edit files. Now rename it as *blog.html*. We are going to add a CSS to format the page to look something like the image at right.
2. Create a new file called *blog.css* and add a link to it in the HTML file.

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

3. Add the following to your new CSS file, in order. Look at the result after each addition. (If you proceed step by step, you can more easily see if you make a mistake adding material at any point, and fix any errors quickly.)

- a. Give the background some color and zero the margins:

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

- b. Now make the header silver with centered text, and make the content area white with a 1-pixel padding:

```
#masthead {
    background-color: silver;
    text-align: center;
}
#content {
    background-color: white;
    padding: 1px;
}
```

- c. Alter the appearance of the section headings:

```
h3 {
    font-style: normal;
    font-weight: normal;
    border-bottom-style: solid;
}
```

- d. Set various margins to zero in order to condense the spacing, and add a bit of space around the index. (Note: the commas in the top

rule below separate several selectors; the styles apply to each individually as though we had written six separate rules.):

```
body, div, h1, h2, h3, p {  
    margin: 0;  
}
```

```
li {  
    margin-left: 3px;  
}
```

Save a copy of this file as *newspaper.css*; we will begin from this point for the second part of the lab. Meanwhile, keep working on *blog.css*.

4. Now make some additions to these rules such as:
 - a. set the masthead's left and right margins to 125px.
 - b. Set the positioning of the index to be flush with the bottom of the masthead and right of the webpage. Set the contents margins so to touch the bottom of the masthead. If it is not, you probably didn't set all the margins to zero properly.
 - c. Move the entry's margins in so that they are easier to read (say 50px). Add padding to separate entries.
5. Does it look right? Make any necessary minor tweaks.

Newspaper format

Now you will try to change the styles so the page looks like newspaper format:

Lorem Ipsum Dolor

Curabitur volutpat mauris in lorem.

Sit amet

consectetur adipiscing elit. Curabitur sem arcu, tempus ac, gravida suscipit, commodo in, risus. Phasellus eu orci at quam iaculis tempus. Ut at enim. Phasellus diam lectus, pellentesque sed, ullamcorper et, pretium vel, tellus. Donec neque. Maecenas in justo sed arcu aliquet suscipit. Aliquam non est. Quisque pellentesque bibendum mauris. Donec et orci et lectus pharetra posuere. In eleifend, libero vel faucibus vestibulum, neque lectus ultricies dolor, non malesuada leo arcu sit amet erat. Phasellus eros. Vestibulum ornare, lectus et cursus feugiat, risus justo faucibus lacus, sit amet vulputate eros urna vel pede. Vestibulum dapibus dolor eu eros sodales tristique.

Nam Sit

Amet felis in sapien dapibus pharetra. Donec mauris. Suspendisse quis diam at lectus interdum imperdiet. Aliquam cursus metus sed nunc. Sed dignissim tincidunt mi. Vivamus pharetra ultricies quam. Fusce rhoncus. Aliquam blandit molestie tellus. Vivamus sed eros. Praesent accumsan blandit augue. Donec nulla. Aenean pede leo, dignissim id, tincidunt eu, condimentum non, tortor. Vestibulum imperdiet mi quis tortor. Quisque sed elit vitae enim euismod consectetur. Vivamus interdum, purus in scelerisque aliquam, mi leo cursus nunc, ut

Mauris Hendrerit

Posuere sapien. Maecenas vitae lectus. Proin egestas posuere arcu. Nunc et ipsum sed sapien blandit hendrerit. Vestibulum pulvinar massa vel tortor. Quisque lobortis, odio vitae faucibus feugiat, mi metus pharetra arcu, id ullamcorper ante justo sed lorem. Nam et turpis. Cras interdum rutrum mauris. Fusce est urna, pretium in, vulputate ut, interdum ut, dolor. Duis vitae tellus in mi faucibus porta.

Nam Placerat

tellus at risus. Phasellus vel metus. Sed a urna. Suspendisse vehicula, arcu vitae dapibus vehicula, justo nulla consectetur tortor, vitae varius risus purus in turpis. Nunc ut mauris eu diam cursus iaculis. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc at odio dapibus magna lobortis venenatis. Mauris mauris purus, euismod sed, consectetur eu, tincidunt eget, urna. Maecenas nulla. Proin orci leo, vehicula nec, dignissim rhoncus, luctus nec, odio. Integer pharetra varius nisl. Ut sit amet purus quis est mollis ornare.

Praesent posuere

Augue vitae pretium venenatis, nunc metus varius velit, a ultricies dolor elit vitae nisl. Proin mollis massa a justo. Aenean orci.

1. Edit the css and html to look more like a newspaper. Begin from the results of step 3 above.
2. Add a list a List by adding the following code:

```
<ul id="index">
  <li id="first">ivamus turpis</li>
  <li>vulputate at</li>
  <li>sollicitudin id</li>
  <li>ultricies vestibulum</li>
  <li> enim.</li>
</ul>
```

```
<ul id="index">
  <li id="first">ivamus turpis</li>
  <li>vulputate at</li>
  <li>sollicitudin id</li>
  <li>ultricies vestibulum</li>
  <li> enim.</li>
</ul>
```

3. Make the ul section white, give it a fixed width, remove bullets, and adjust spacing:

```
#index {
  background-color: white;
  list-style-type: none;
  padding: 0;
  margin: 0;
  line-height : 4ex;
}
```

4. `li` normally has `display: block` by default - change it to inline so they will display horizontally. To make them look like tabs add the following to `#index li`

```
border-right-style: solid;
border-left-style: solid;
border-top-style: solid;
border-top-width: 1px;
border-left-width: 1px;
border-right-width: 1px;
padding: 3px 3px 6px;
background-color: grey;
```

and add the following to `#index`

```
border-bottom-style: solid;
border-bottom-width: 1px;
background-color: silver;
```

to make the first tab look selected you can add the following to your css

```
#index #first {
  border-bottom: 1px solid white;
  margin-left: 20px;
  background-color: white;
}
```

5. Add two divs to create columns. The first div should contain the first few entries. The 2nd div should contain the rest. Make their id `col1` and `col2` respectively.

6. You can use percentages to create and place `col1` and `col2`
 - a. Make `col1`'s and `col2`'s width the same percentage of the body's width
 - b. Position `col1` and `col2` using percentages so that they appear evenly space in the window. If you make `#content` have `position: relative`, then you can position the two columns inside it.

Save your work into two different files:

- 1- Blog.html and**
- 2- Newspaper.html**

Each one should be linked to their corresponding css files so the views will correspond to the right files.