

## Lab 4

For today's lab, we'll be creating a basic web layout from scratch using all the HTML and CSS you've learned over the past four weeks.

1. Start by creating a blank document **index.html**. Then, create a stylesheet **style.css**. You'll be making just one page.
2. Populate your index.html page with the basic bootstrapping HTML code:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <meta http-equiv="Content-type" content="text/html;
charset=utf-8" />
    <title>My Website</title>
    <link href="style.css" rel="stylesheet" type="text/css"/>
</head>
<body>

</body>
</html>
```

3. The first thing we're going to do is to make a header for our website. Make a div with id "header" at the top of the body.. Add a style in your CSS definition file to make this header 960 pixels wide.
4. Next, make another div - we're going to make this the left menu bar for our website. Make this left menu bar 220 pixels wide.
5. Make another div - this is going to be the main content area for our website. Make this content 740 pixels wide.
6. Add style definitions to make it so that the left content area and main content area go side-by-side (use floats - do not use any absolute positioning here).
7. Add a footer to your page. Make the footer 960 pixels wide, and make sure it is directly below the left menu/main content area (you might have to use clear here, depending on how you did part 6).

In the end, your website should look something like this: (though it won't be so ugly-looking with those colors)



8. Now make your site look nice! Add your name in an `<h1>` tag in the header, and also place a menu in the left menu bar (the black portion of the above picture). You can put things like “Home”, “About Me”, “Portfolio” – we’re going to use this page to showcase all of the cool work you’re going to do this semester.

9. Add some content in the main content section to give a little background about yourself: your major, your interests, etc.

### **Extra for Experts!**

1. Add CSS media queries to remove the left menu bar when your page is under a certain size, and to shrink the size of your header, main-content, and footer when it is under a certain size.