

HTML5 Specialist Designation Program

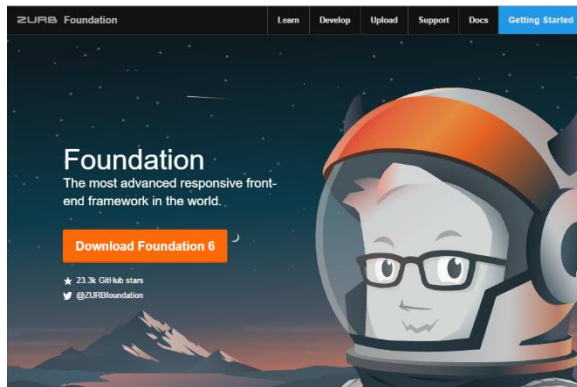
Lab Exercise #9

We'll be practicing creating hyperlinks in this lab exercise.

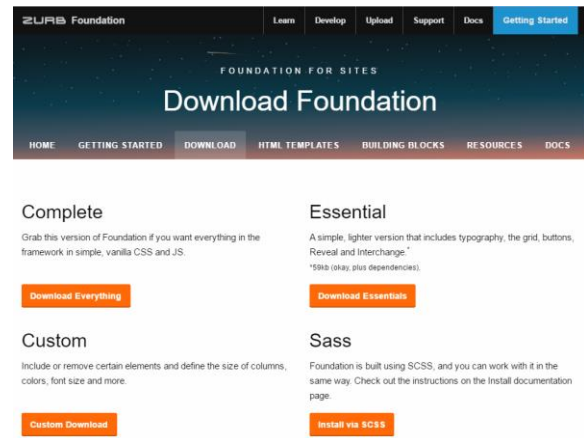
Lab Instructions

- 1) Run your Brackets development environment.
- 2) With Brackets running, choose File → New to open a new document. You should see the cursor flashing on the first line.
- 3) In this lab exercise you'll use the Foundation Framework to quickly design a website with responsive features. You'll be amazed how quickly—and how easily—you can make sites responsive with the easy-to-use Foundation Framework.

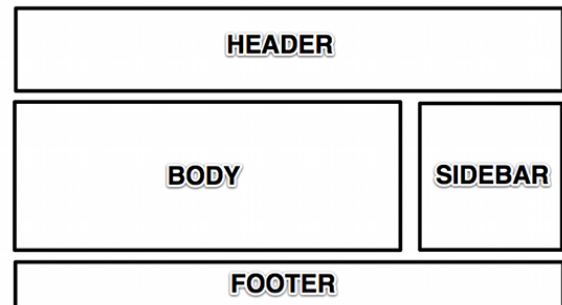
We'll start by downloading Foundation itself. Point your browser to <http://foundation.zurb.com> and click the Download Foundation 6 button.



- 4) From the next screen select the button labeled "Download Essentials." This is a smaller, less featureful version of the Framework but contains everything we need for this exercise. Unzip the download and from the folder you downloaded, double click index.html. This will load the Foundation demo file.



- 5) We're going to use Foundation to create the following widescreen layout:



Of course, when the screen is smaller-width, as would be the case when the page is displayed on a mobile device, the columnar layout will not be present.

- 6) Open the index.html file from the folder you downloaded in a text editor. Erase the everything in the body and the head. You should be left with a basic HTML document structure. Your file should look like this once you're done:

```
<!doctype html>
<html class="no-js" lang="en">
  <head>

  </head>
  <body>

  </body>
</html>
```

- 7) Let's enter the content for the <head> of the document:

```

<!--[if lt IE 7]> <html class="no-js lt-ie9 lt-ie8 lt-ie7" lang="en"> <![endif]-->
<!--[if IE 7]> <html class="no-js lt-ie9 lt-ie8" lang="en"> <![endif]-->
<!--[if IE 8]> <html class="no-js lt-ie9" lang="en"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en"> <!--<![endif]-->
<head>
  <meta charset="utf-8" />

  <!-- Set the viewport width to device width for mobile -->
  <meta name="viewport" content="width=device-width" />

  <title>Welcome to Foundation</title>

  <!-- Included CSS Files -->
  <link rel="stylesheet" href="stylesheets/foundation.css">
  <link rel="stylesheet" href="stylesheets/app.css">

  <!--[if lt IE 9]>
    <link rel="stylesheet" href="stylesheets/ie.css">
  <![endif]-->

  <script src="javascripts/modernizr.foundation.js">
</script>

  <!-- IE Fix for HTML5 Tags -->
  <!--[if lt IE 9]>
    <script src="http://html5shiv.googlecode.com/svn/trunk/html5.js"></script>
  <![endif]-->

```

8) The code you just entered in to the document <head> element will connect to the necessary Foundation libraries and style sheets and deal with Internet Explorer which can misapply Foundation—especially in older versions of IE. Place your cursor after the opening body tag. Here we're going to the initial section of our column based design:

```

<div class="row">
  <div class="twelve columns"></div>
</div>

```

9) By default, in the Foundation Framework a row is 1000 pixels wide. The code above simply says that we're going to take that 1000 pixel wide row and use all 12 columns. In other words, the content will stretch across the entire page.

10) Inside the interior <div> add an <h2> tag with the text content: Header 12 Columns. Check your HTML in the web browser. There won't be much

there so far, but it should appear similar to the screenshot below:



11) The next row is split into two columns, a five column-width section and a seven column-width main section. Add the following code in the body of your document:

```

<div class="row">
  <div class="twelve columns">
    <div class="row">
      <div class="seven columns">
        <h3>Body Seven Columns</h3>
      </div>
      <div class="five columns">
        <h3>Sidebar Five Columns</h3>
      </div>
    </div>
  </div>
</div>

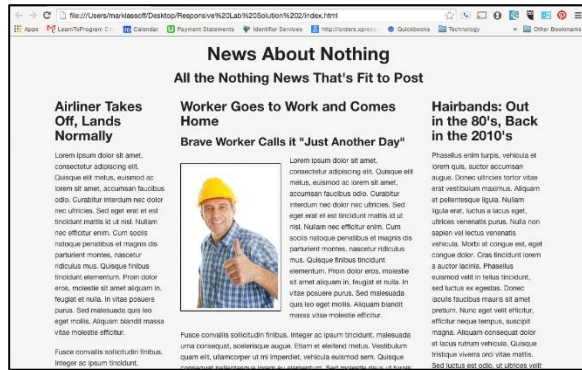
```

12) Add one final row that is 12 columns across. Place the text "Footer 12 Columns" inside an <h3> tag in the row. Check your document once more in the browser. Your final result should look something like this:



13) Open the zip "responsiveStarter.zip" that should have come with this lab. This document was laid out using floating <div>s. It is not yet responsive. Using the foundation framework and the information learned, make the page responsive using a twelve-column design. (If the file isn't available with your video and labs you may access it here: <https://goo.gl/PoVqey>)

14) When complete with Foundation the page should look similar to the screenshot below:



Challenge Yourself

Enhance your skills by attempting the exercises below.

1) Add an additional "row" of content below the content displayed. Use a format that has two columns, this time— A narrower column on the left and a primary column on the right.

2) Put your pages on the web. We've arranged a special deal with Blue Host. Visit <http://www.bluehost.com/track/learntoprogram/> and click "Get Stated Now." You will be able to access web hosting plans as low as \$3.49 a month. Once Blue Host takes you through the process of creating your domain and web server upload your lab and post the URL for the others in the class to see.