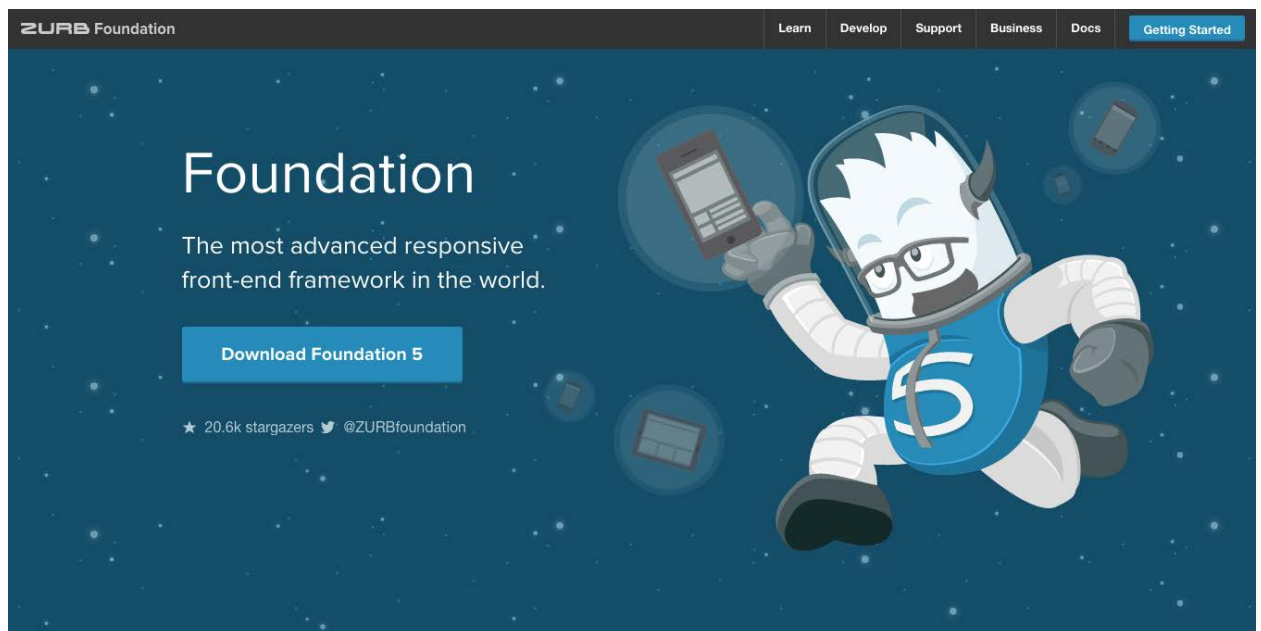


## Activity 8.4 Responsive Design with Framework

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.

- 1) We'll start by downloading Foundation itself. Point your browser to <http://foundation.zurb.com> and click the Download Foundation 5 button.



- 2) 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.

# Welcome to Foundation

## We're stoked you want to try Foundation!

To get going, this file (index.html) includes some basic styles you can modify, play around with, or totally destroy to get going.

Once you've exhausted the fun in this document, you should check out:

### [Foundation Documentation](#)

Everything you need to know about using the framework.

### [Foundation Code Skills](#)

These online courses offer you a chance to better understand how Foundation works and how you can master it to create awesome projects.

### [Foundation Forum](#)

Join the Foundation community to ask a question or show off your knowledge.

### [Foundation on Github](#)

Latest code, issue reports, feature requests and more.

### [@zurbfoundation](#)

Ping us on Twitter if you have questions. When you build something with this we'd love to see it (and send you a totally boss sticker).

Here's your basic grid:

**This is a twelve column section in a row.** Each of these includes a `div.panel` element so you can see where the columns are - it's not required at all for the grid.

Six columns

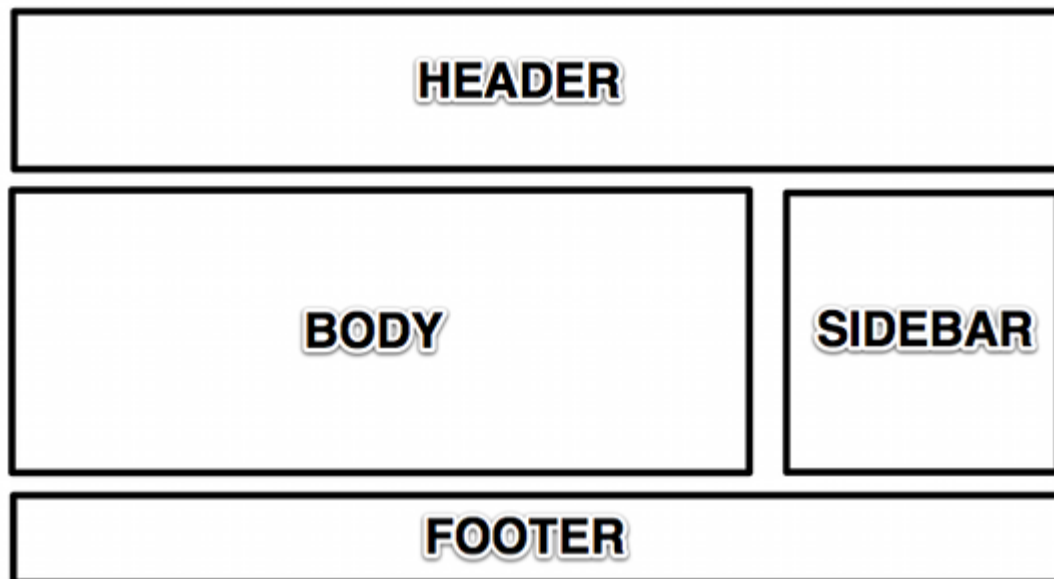
Six columns

Try one of these buttons:

Simple Button

Radius Button

- 3) 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.

- 4) 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>
```

5) 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]-->

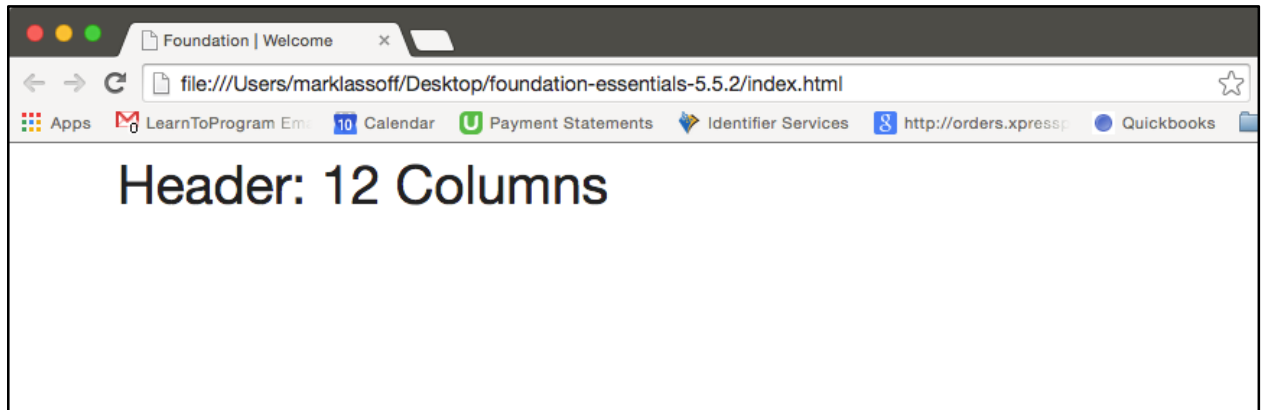
  <script src="javascripts/modernizr.foundation.js"></script>

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

6) 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>
```

- 7) 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.
- 8) 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:



- 9) 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>
```

- 10) 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:



11) 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/P0VqeY>)

12) When complete with Foundation the page should look similar to the screen shot below:

