

Chapter 1: Getting Started with Sass

```
├── config.rb
├── sass
│   ├── ie.scss
│   ├── print.scss
│   └── screen.scss
└── stylesheets
    ├── ie.css
    ├── print.css
    └── screen.css
```

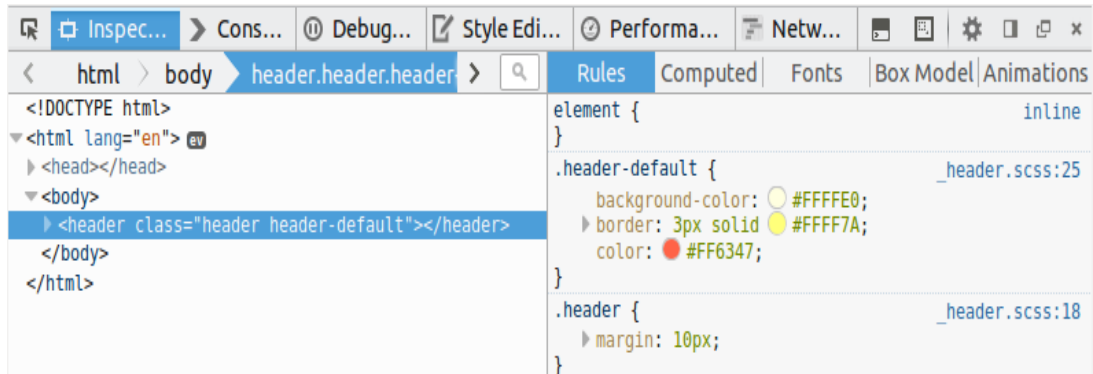
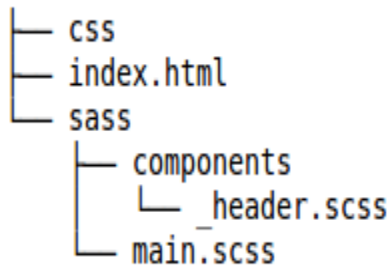
Colored text

Enter color name and hit enter:

```
├── sass
│   ├── layouts
│   │   └── _grid.scss
│   └── main.scss
```

- base
- components
- layout
- main.scss
- pages
- themes
- utils
- vendors

Chapter 2: Debugging Your Code



Settings

- General
- Workspace
- Devices
- Shortcuts

Workspace

Common

Folder exclude pattern

Folders

Add folder...

Folder options...

Settings

General

General

Show whitespace characters

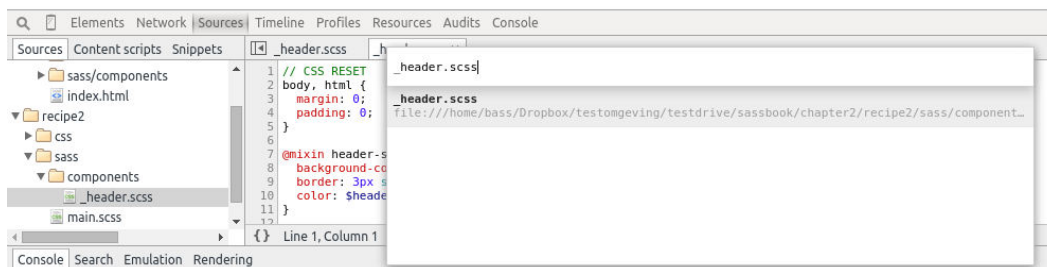
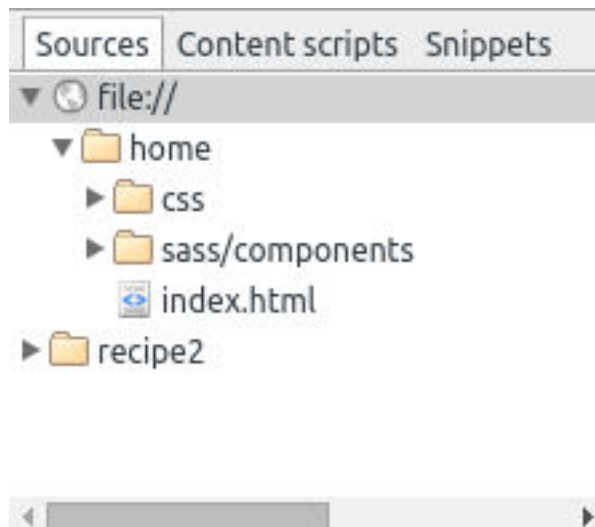
Workspace

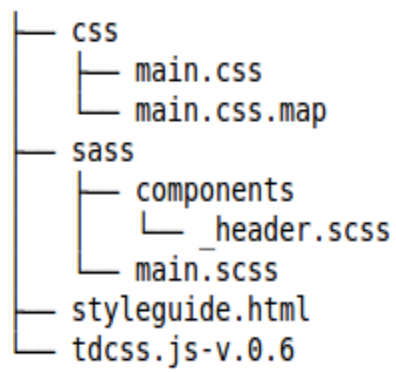
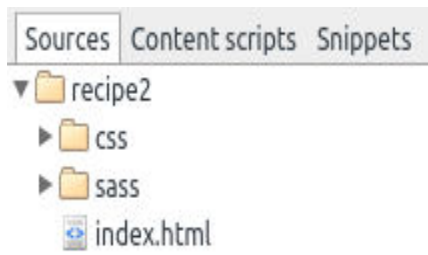
Enable CSS source maps

Devices

Auto-reload generated CSS

Shortcuts





Header styles

Collection of headers.

**Write and debug Sass
in brower**

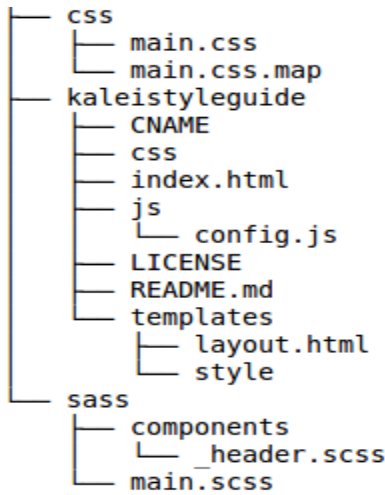
**Write and debug Sass
in brower**

Default header

```
<header class="header header-default">  
  <h1>Write and debug Sass in brower</h1>  
</header>
```

Warning header

```
<header class="header header-warning">  
  <h1>Write and debug Sass in brower</h1>  
</header>
```



Header default

Example

**Write and debug
Sass in browser**

Code

```
<header class="header header-default">  
  <h1>Write and debug Sass in browser</h1>  
</header>
```



The screenshot shows the SassMeister web editor interface. At the top, there is a pink header with the 'Sassmeister' logo on the left and navigation icons for CSS, HTML, cloud, settings, and a user profile on the right. Below the header, the editor is divided into three panels: SCSS, CSS, and HTML. The SCSS panel contains the following code:

```
1- @mixin set-width($width) {  
2-   @if $width < 50 {  
3-     @error "width should be >= 50";  
4-     $width: 1px * $width;  
5-   }  
6-   @if unit($width) not "px" {  
7-     @warn "width (#{ $width }) conver";  
8-     $width: 1px * $width;  
9-   }  
10-   $width: $width * 10;  
11-   @debug "width: #{ $width }";  
12- }
```

The CSS panel shows the compiled output:

```
1- div {  
2-   width: 500px;  
3-   background-color: red;  
4-   color: white;  
5-   padding: 20px;  
6- }  
7-
```

The HTML panel shows the rendered output:

```
1- <div>Playing on SassMeister</div>
```

Playing on SassMeister

Sass

Compiler

Syntax SCSS Sass

Extensions *(Inserted at cursor)*

- Ark (v0.2.0)
- Base.Sass (v1.6.0)
- Bitters (v0.10.0)
- Blend Modes (v0.0.2)

CSS

expanded nested compact compressed

Chapter 3: Variables, Mixins, and Functions

Using variables in Sass

Using variables in Sass

Warning!

Background gradients with Sass

Chapter 6: Using Compass

Show how to truncate long t...

Show how to truncate long text with ellipses.

Show how to truncate long wor... ellipses.

```
├─ config.rb
├─ css
├─ sass
  └─ main.scss
     └─ utils
        └─ _cos.scss
```

```
├── config.rb
├── fonts
│   └── bootstrap
│       ├── glyphs-halflings-regular.eot
│       ├── glyphs-halflings-regular.svg
│       ├── glyphs-halflings-regular.ttf
│       ├── glyphs-halflings-regular.woff
│       └── glyphs-halflings-regular.woff2
├── javascripts
│   ├── bootstrap
│   ├── bootstrap.js
│   ├── bootstrap.min.js
│   └── bootstrap-sprockets.js
├── sass
│   ├── _bootstrap-variables.scss
│   └── styles.scss
├── stylesheets
│   └── styles.css
```

Chapter 7: Cross-Browser CSS3 Mixins

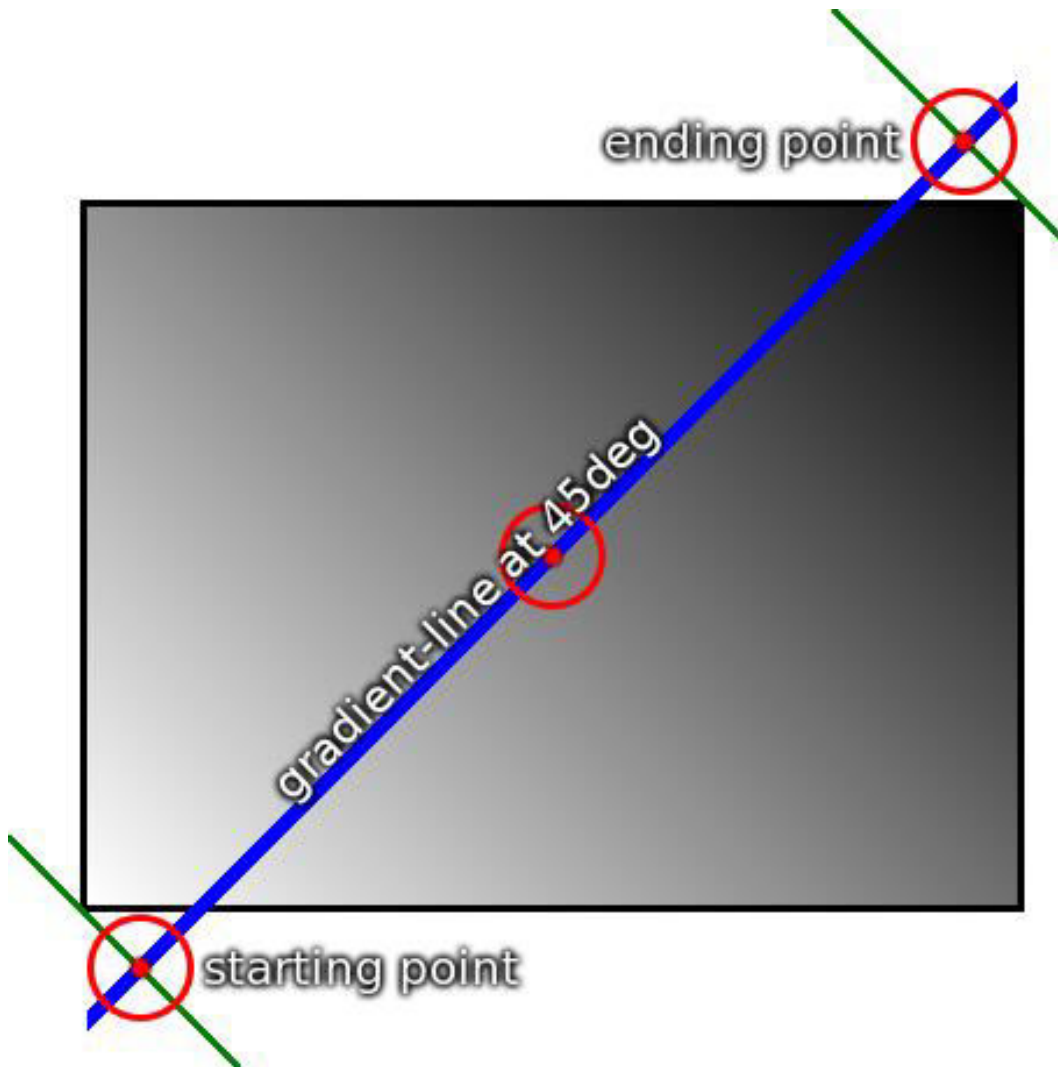
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt.

Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies nisi. Nam eget dui. Etiam rhoncus. Maecenas tempus, tellus eget condimentum rhoncus, sem quam semper

libero, sit amet adipiscing sem neque sed ipsum. Nam quam nunc, blandit vel, luctus pulvinar, hendrerit id, lorem. Maecenas nec odio et ante tincidunt tempus. Donec vitae sapien ut libero venenatis faucibus. Nullam quis ante. Etiam sit amet orci eget eros faucibus tincidunt. Duis leo. Sed fringilla mauris sit amet nibh. Donec sodales sagittis magna. Sed consequat, leo eget bibendum sodales, augue velit cursus nunc,



Background gradients with Sass



Background gradients with Sass

CSS3 Multiple column layout - CR

Global 13.8% + 80.78% = 94.58%
 unprefixed: 13.8%

Method of flowing information in multiple columns

Current aligned
 Usage relative

IE	Edge	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
			31					4.1	
8			42					4.3	
9		38						4.4	
10		39	43	7.1		7.1		4.4.4	
11	1	40	44	8	30	8.4	8	40	44
		41	45	9	31	9			
		42	46		32				
		43	47						

Chapter 8: Advanced Sass Coding

Title

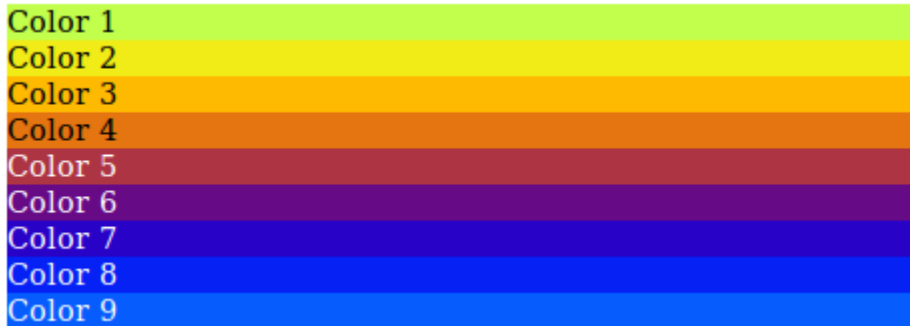
subTitle

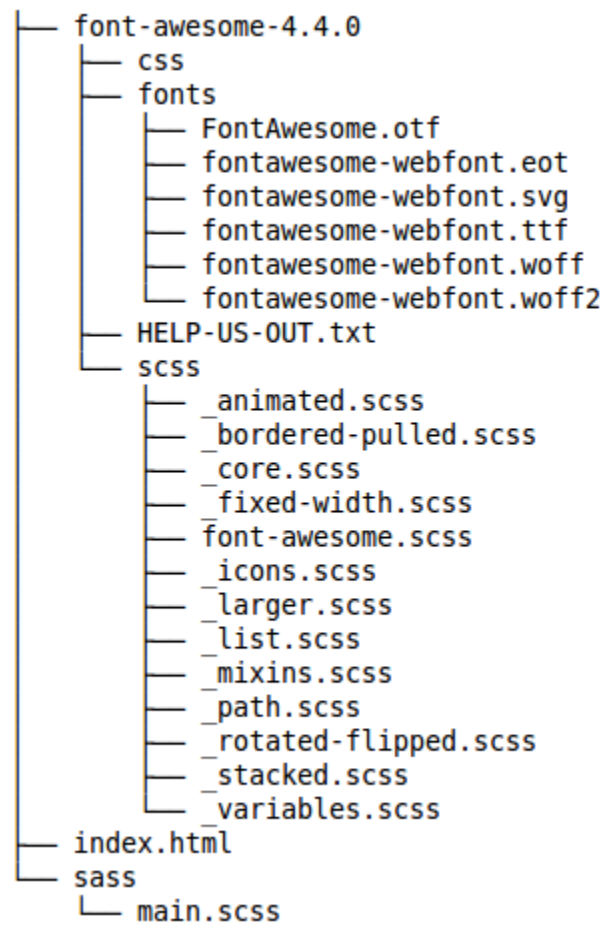
Lorem ipsum
dolor sit amet,


Lorem ipsum dolor sit amet


consectetur adipiscing elit. Aenean commodo
ligula eget dolor. Aenean massa. Cum sociis
natoque penatibus et magnis dis parturient


Color 1
Color 2
Color 3
Color 4
Color 5
Color 6
Color 7
Color 8
Color 9






 fa-twitter on fa-square-o

 fa-flag on fa-circle

 fa-terminal on fa-square

 fa-ban on fa-camera


```
├── images
│   └── logos
│       ├── compass-logo-hover.png
│       └── compass-logo.png
├── index.html
├── sass
│   └── main.scss
```



Chapter 9: Building Layouts with Sass

```
├── base
│   └── _normalize.scss
└── main.scss
```



col 1

col 2

col 3

col 4

```
├── index.html
├── sass
│   ├── base
│   │   ├── _base.scss
│   │   └── _normalize.scss
│   ├── layout
│   │   └── _grid.scss
│   ├── main.scss
│   └── utils
│       └── _variables.scss
```

```
├── index.html
├── sass
│   ├── base
│   │   ├── _base.scss
│   │   └── _normalise.scss
│   ├── layout
│   │   └── _grid.scss
│   ├── main.scss
│   ├── utils
│   │   └── _variables.scss
```

Flexbox Grid System

1	2	Sidebar Item 1 Item 2 Item 3
3	4	
5	6	
7	8	
9		

Flexbox Grid System

Menu item 1 Menu item 2 (long text) Three

1	2	3	Sidebar Item 1 Item 2 Item 3
4	5	6	
7	8	9	

```

├── index.html
├── sass
│   ├── main.scss
│   └── tylertate-semantic.gs-c2aa77c
│       ├── changelog.md
│       ├── examples
│       ├── js
│       ├── LICENSE.txt
│       ├── README.md
│       └── stylesheets

```

This is a header
This is an article

This is an aside

col-xs-2 col-sm-3

col-xs-2 col-sm-1

Chapter 10: Building Grid-based Layouts with Susy and Sass

```
├── index.html
├── sass
│   ├── base
│   │   └── _normalize.scss
│   ├── main.scss
│   ├── utils
│   │   └── _variables.scss
```

Powered by Susy

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

Sidebar

- Item 1
- Item 2
- Item 3

Powered by Susy

1	2	3	Sidebar <ul style="list-style-type: none">• Item 1• Item 2• Item 3
4	5	6	
7	8	9	

```
├─ index.html
├─ sass
│   ├── base
│   │   └─ _normalize.scss
│   ├── main.scss
│   └─ utils
│       └─ _variables.scss
```

Powered by Susy

1	2
3	4
5	6
7	8
9	

Sidebar

- Item 1
- Item 2
- Item 3

```
├─ index.html
├─ sass
│   ├── base
│   │   └─ _normalise.scss
│   ├── main.scss
│   ├── utils
│   │   └─ _variables.scss
```


Chapter 11: Foundation and Sass

Asymmetric layout

Column 1 1	Column 2	Column 3	Column 4 2	Column 5 3
---------------	----------	----------	---------------	---------------

```
$ foundation new
? What are you building today? A website (Foundation for Sites)
? What's the project called? recipe1
? Which template would you like to use? Basic Template: includes a Sass compiler

      .
     /|\
    / | \
   /  |  \
  /___|___\
 |   ^  ^   |
 |  [0]--[0]  |
 |   ___   |
 |   ...   |
 |___|___|

Thanks for using ZURB Foundation for Sites!
-----
Let's set up a new project.
It shouldn't take more than a minute.

Downloading the project template...
Done downloading!

Installing dependencies...
```

```
├── bower_components
│   ├── foundation-sites
│   ├── jquery
│   ├── motion-ui
│   └── what-input
├── bower.json
├── CHANGELOG.md
├── etc
├── gulpfile.js
├── index.html
├── js
│   └── app.js
├── node_modules
│   ├── gulp
│   ├── gulp-autoprefixer
│   ├── gulp-load-plugins
│   └── gulp-sass
├── package.json
├── README.md
├── scss
│   ├── app.scss
│   └── _settings.scss
```

```
├── bower_components
│   ├── foundation-sites
│   ├── jquery
│   └── what-input
├── config.rb
├── sass
│   ├── ie.scss
│   ├── print.scss
│   ├── screen.scss
│   └── _settings.scss
├── stylesheets
│   ├── ie.css
│   ├── print.css
│   └── screen.css
```

Powered by Foundation 6

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

Sidebar

- Item 1
- Item 2
- Item 3

Powered by Foundation 6

1	2	3
4	5	6
7	8	9

Sidebar

- Item 1
- Item 2
- Item 3

Powered by Foundation 6



1	2	3
4	5	6
7	8	9

Sidebar

- Item 1
- Item 2
- Item 3

Template: Sticky

Posted on January 7, 2012 by [themedemos](#) - [Uncategorized](#)

This is a sticky post.

There are a few things to verify:

- The sticky post should be distinctly recognizable in some way in comparison to normal posts. You can style the `.sticky` class if you are using the `post_class()` function to generate your post classes, which is a best practice.
- They should show at the very top of the blog index page, even though they could be several posts back chronologically.
- They should still show up again in their chronologically correct position in time, but without the sticky indicator.
- If you have a plugin or widget that lists popular posts or comments, make sure that this sticky post is not always at the top of those lists

Search for:

Recent Posts

[Hello world!](#)

[Markup: HTML Tags and Formatting](#)

[Markup: Image Alignment](#)

[Markup: Text Alignment](#)

[Markup: Title With Special Characters](#)

Recent Comments

[Mr WordPress](#) on [Hello world!](#)

[John Doe](#) on [Edge Case: No](#)

Chapter 12: Bootstrap and Sass



```

.col-sm-4 {
    width: 33.3333%;
}

.col-sm-1, .col-sm-2,
.col-sm-3, .col-sm-4,
.col-sm-5, .col-sm-6, .col-sm-7, .col-sm-8, .col-sm-9, .col-sm-10,
.col-sm-11, .col-sm-12 {
    float: left;
}

.col-xs-1, .col-xs-2, .col-xs-3, .col-xs-4,
.col-xs-5, .col-xs-6, .col-xs-7, .col-xs-8,
.col-xs-9, .col-xs-10, .col-xs-11, .col-xs-12, .col-sm-1, .col-sm-2,
.col-sm-3, .col-sm-4, .col-sm-5, .col-sm-6, .col-sm-7, .col-sm-8,
.col-sm-9, .col-sm-10, .col-sm-11, .col-sm-12, .col-md-1, .col-md-2,
.col-md-3, .col-md-4, .col-md-5, .col-md-6, .col-md-7, .col-md-8,
.col-md-9, .col-md-10, .col-md-11, .col-md-12, .col-lg-1, .col-lg-2,
.col-lg-3, .col-lg-4, .col-lg-5, .col-lg-6, .col-lg-7, .col-lg-8,
.col-lg-9, .col-lg-10, .col-lg-11, .col-lg-12, .col-xl-1, .col-xl-2,
.col-xl-3, .col-xl-4, .col-xl-5, .col-xl-6, .col-xl-7, .col-xl-8,
.col-xl-9, .col-xl-10, .col-xl-11, .col-xl-12 {
    position: relative;
    min-height: 1px;
    padding-right: 0.9375rem;
    padding-left: 0.9375rem;
}

```

```
.col-sm-4 { bootstrap.css:null @(min-width: 544px)
  flex: 0 0 33.3333%;
}
.col-xs-1, .col-xs-2, .col-xs-3, bootstrap.css:null
.col-xs-4, .col-xs-5, .col-xs-6,
.col-xs-7, .col-xs-8, .col-xs-9, .col-xs-10,
.col-xs-11, .col-xs-12, .col-sm-1, .col-sm-2,
.col-sm-3, .col-sm-4, .col-sm-5, .col-sm-6,
.col-sm-7, .col-sm-8, .col-sm-9, .col-sm-10,
.col-sm-11, .col-sm-12, .col-md-1, .col-md-2,
.col-md-3, .col-md-4, .col-md-5, .col-md-6,
.col-md-7, .col-md-8, .col-md-9, .col-md-10,
.col-md-11, .col-md-12, .col-lg-1, .col-lg-2,
.col-lg-3, .col-lg-4, .col-lg-5, .col-lg-6,
.col-lg-7, .col-lg-8, .col-lg-9, .col-lg-10,
.col-lg-11, .col-lg-12, .col-xl-1, .col-xl-2,
.col-xl-3, .col-xl-4, .col-xl-5, .col-xl-6,
.col-xl-7, .col-xl-8, .col-xl-9, .col-xl-10,
.col-xl-11, .col-xl-12 {
  position: relative;
  min-height: 1px;
  padding-right: 0.9375rem;
  padding-left: 0.9375rem;
}
```

Custom button

Featured

Special title treatment

With supporting text below as a natural lead-in to additional content.

Go somewhere

2 days ago

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

- Sidebar
- Item 1
 - Item 2
 - Item 3

Powered by Bootstrap 4

1	2	3
4	5	6
7	8	9

Sidebar

- Item 1
- Item 2
- Item 3

Test Sample Page

Sample Page

This is an example page. It's different from a blog post because it will stay in one place and will show up in your site navigation (in most themes). Most people start with an About page that introduces them to potential site visitors. It might say something like this:

Hi there! I'm a bike messenger by day, aspiring actor by night, and this is my website. I live in Los Angeles, have a great dog named Jack, and I like piña coladas. (And gettin' caught in the rain.)

...or something like this:

The XYZ Doohickey Company was founded in 1971, and has been providing quality doohickeys to the public ever since. Located in Gotham City, XYZ employs over 2,000 people and does all kinds of awesome things for the Gotham community.

As a new WordPress user, you should go to [your dashboard](#) to delete this page and create new pages for your content. Have fun!

Recent Posts

- [Hello world!](#)
- [Markup: HTML Tags and Formatting](#)
- [Markup: Image Alignment](#)
- [Markup: Text Alignment](#)
- [Markup: Title With Special Characters](#)

Meta

- [Log in](#)
- [Entries RSS](#)
- [Comments RSS](#)
- [WordPress.org](#)

Chapter 13: Meeting the Bourbon Family

```
└─ index.html  
  └─ sass  
     └─ bourbon  
        └─ main.scss
```

```
└─ index.html  
  └─ sass  
     └─ bourbon  
        └─ main.scss
```

Tooltip



```
├─ index.html
├─ sass
│   └─ bourbon
│       └─ main.scss
```

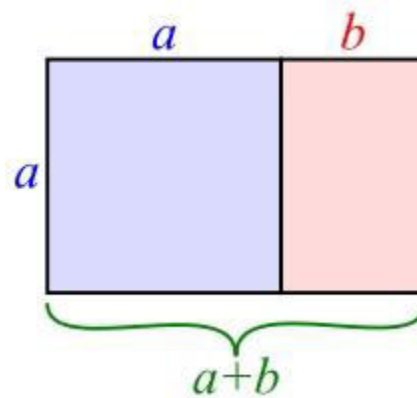
Heading 1

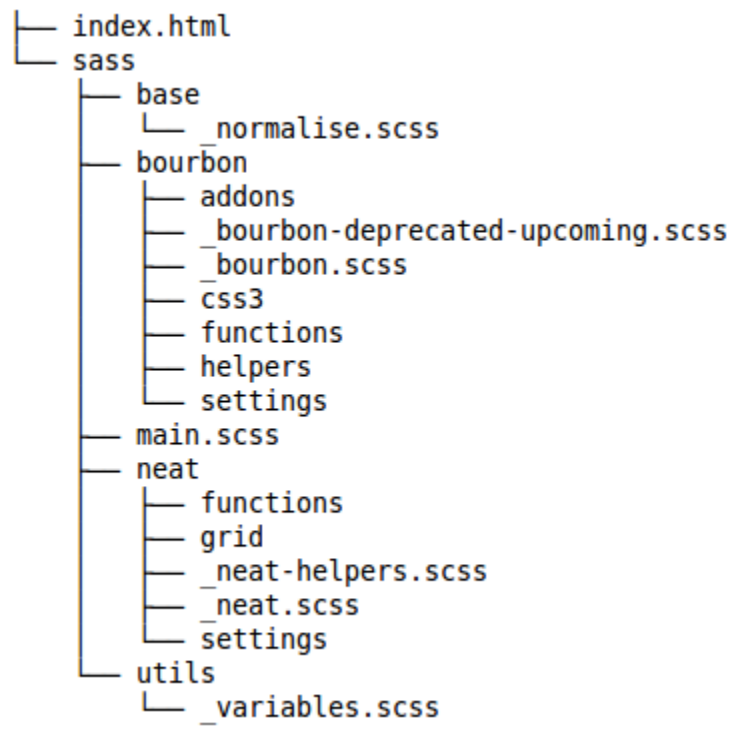
Heading 2

Heading 3

Heading 4

Paragraph





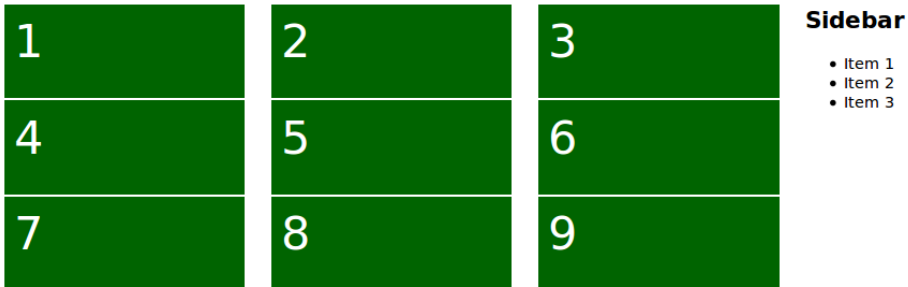
Powered by Neat

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

Sidebar

- Item 1
- Item 2
- Item 3

Powered by Neat



```
├─ index.html
├─ sass
│   ├── base
│   │   └─ _normalise.scss
│   ├── components
│   │   └─ _buttons.scss
│   ├── main.scss
│   └─ utils
│       └─ _variables.scss
```




```
├── index.html
├── sass
│   ├── base
│   │   └── _normalise.scss
│   ├── components
│   │   └── _buttons.scss
│   ├── main.scss
│   ├── utils
│   │   └── _variables.scss
```

Prev 1 2 3 4 5 6 7 Next

$$\frac{a+b}{a} = \frac{a}{b} \equiv 1.618$$

Chapter 14: Ruby on Rails and Sass



Welcome aboard

You're riding Ruby on Rails!

[About your application's environment](#)

Getting started

Here's how to get rolling:

1. Use `bin/rails generate` to create your models and controllers
To see all available options, run it without parameters.
2. Set up a root route to replace this page
You're seeing this page because you're running in development mode and you haven't set a root route yet.
Routes are set up in `config/routes.rb`.
3. Configure your database
If you're not using SQLite (the default), edit `config/database.yml` with your username and password.

Browse the documentation

[Rails Guides](#)
[Rails API](#)
[Ruby core](#)
[Ruby standard library](#)

Hello World!!

Find me in `app/views/welcome/index.html.erb`



This will yield a radial gradient with an apparent specular highlight

```
├─ application.scss
├─ base
│   └─ _normalise.scss
├─ elements
│   └─ _blocks.scss
├─ utils
│   └─ _variables.scss
```

Powered by Susy

1	2	3
4	5	6
7	8	9

Sidebar

- Item 1
- Item 2
- Item 3

Hello, world!

This is a template for a simple marketing or informational website. It includes a large callout called a jumbotron and three supporting pieces of content. Use it as a starting point to create something more unique.

[Learn more »](#)

Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

[View details »](#)

Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

[View details »](#)

Heading

Donec sed odio dui. Cras justo odio, dapibus ac facilisis in, egestas eget quam. Vestibulum id ligula porta felis euismod semper. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus.

[View details »](#)

Welcome to Foundation for Sites

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.callout element so you can see where the columns are - it's not required at all for the grid.

Six columns

Six columns

Four columns

Four columns

Four columns

Try one of these buttons:

Simple Button

Success Btn

Alert Btn

Secondary Btn

We bet you'll need a form somewhere:

Input Label

large-12.columns

Input Label

large-4.columns

Input Label

large-4.columns

Input Label

input-group

.com

Select Box

Husker

Choose Your Favorite

Radio 1 Radio 2

Check these out

Checkbox 1 Checkbox 2

Textarea Label

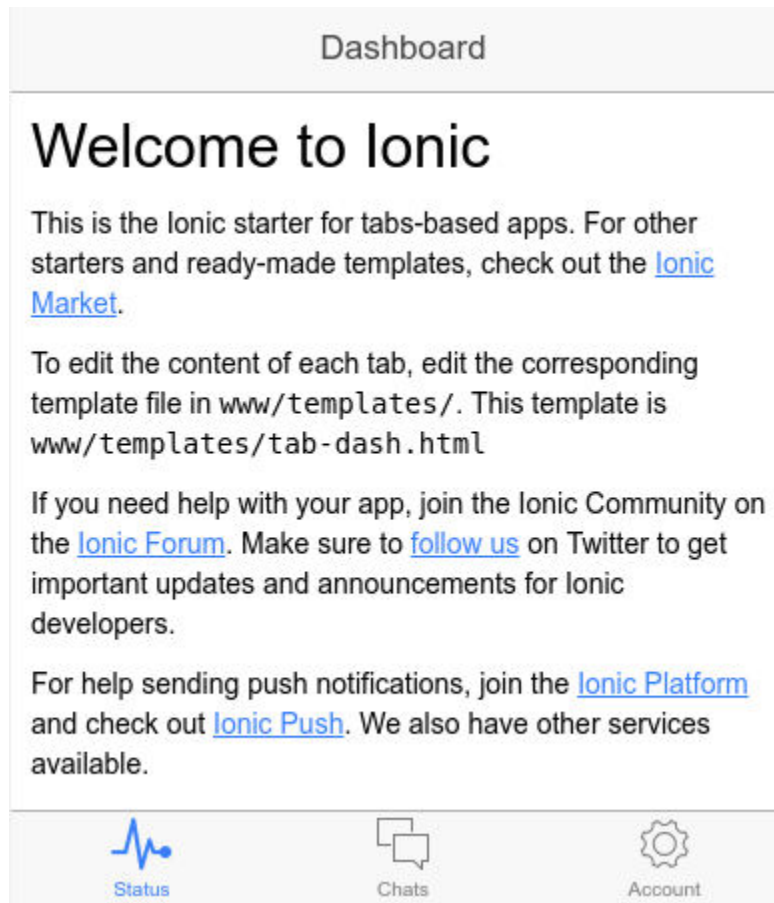
small-12.columns

So many components, girl!

A whole kitchen sink of goodies comes with Foundation. Check out the docs to see them all, along with details on making them your own.

[Go to Foundation Docs](#)

Chapter 15: Building Mobile Apps



Chapter 16: Setting up a Build Chain with Grunt

```
├── index.html
├── node_modules
├── package.json
├── sass
└── stylesheets
```

```
├── Gruntfile.js
├── index.html
├── node_modules
├── package.json
├── sass
│   └── main.scss
└── stylesheets
    ├── main.css
    └── main.css.map
```

```
$ yo bootstrap4
```



The terminal output shows a colorful ASCII art character on the left and a message in a dashed box on the right. The message reads: 'Allo 'allo! Out of the box I include Bootstrap 4, jQuery, and a Gruntfile to build your app.'

```
? What more would you like? Font Awesome, Octicons
? Would you like to enable flexbox (reduced browser and device support)? (y/N) y
```

'Allo, 'Allo!

Always a pleasure scaffolding your apps.

Splendid! 

Bootstrap 4

Sleek, intuitive, and powerful mobile first front-end framework for faster and easier web

Font Awesome

Font Awesome gives you scalable vector icons that can instantly be customized — size,

Github Octicons

Way back in 2012, social coding community GitHub launched its own icon font called Octicons.