

# DISCOVERING FOUNDATION WITH SASS FOR DRUPAL

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# WHO'S THIS GUY?

- Brian Krall
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- @bkrall on [Twitter](#), br0iler on [d.o](#)
- Member of 1871
- Writing at <http://sideproject.io>



**THIS IS MY DOG, KIRBY**



**HE HAS NO IDEA WHAT FOUNDATION IS**

# WHY WE DECIDED TO USE A FRONT-END FRAMEWORK

- Started with Sasson (<https://drupal.org/project/sasson>)
- Wanted to work faster without sacrificing quality
- Tested, proven, great community (like Drupal!)
- Promote better coding standards and maintenance (like anything, the more you use it, the better you get at it)
- Responsive prototypes:  
<http://foundation.zurb.com/templates.html>

# WHY WE PICKED FOUNDATION

- Mobile-first
- Totally flexible and customizable grids
- Small and medium breakpoints baked in
- Design in the browser (when its faster)
- Decide what components get used
- Use resources/templates for rapid prototyping
- Semantic, use any class you want!
- Works awesome with Sass + Compass
- Great support with Drupal and modules



# YOU DON'T HAVE TO USE THE WHOLE ENCHILADA

## Customize Foundation

Pick and choose the features you want or have the whole enchilada.

### Choose Your Components:

All Foundation Components

#### GRID:

Grid

Block Grid

#### NAVIGATION:

Pagination

Breadcrumbs

Side Nav

Sub Nav

#### BUTTONS:

Buttons

Dropdown Buttons

### Set Your Defaults:

#### THE GRID

# of Columns

12

Gutter

1.875

em

Max-Width

62.5

em

#### COLORS

Primary Color

# 2ba6cb

Secondary Color

# e9e9e9

Alert Color

# c60f13

Success Color

# 5da423

# **GET STARTED WITH THE BASE THEME**

<https://drupal.org/project/zurb-foundation>

**Recommended release:**  
7.x-4.0

**Docs:**  
<http://foundation.zurb.com/docs/v/4.3.2/>

**Foundation 5** is rad but its not ready for prime time...

# WHAT YOU GET...

- A **base theme** with Zurb Foundation (don't change PHP/CSS in zurb-foundation folder)
- **STARTER** theme to create your custom theme
- **Sass** and **Compass** set-up (config.rb, Gemfile, etc.)
- Commented Template.php preprocessor functions
- **Modular** folder structure
- Foundation **icons**
- **Orbit** (responsive image slider) and javascript components

# FOUNDATION/SASS REQUIREMENTS

- PHP 5.3 or later
- jQuery Update 1.7+
- 7.x-4.x: Zurb Foundation 4.x gem

To install the ruby gem:

```
gem install zurb-foundation
```

Bundler (<http://bundler.io>) recommended if you're using multiple versions.

# MODULAR STRUCTURE

```
- scss
  _common.scss
  _drupal.scss
  _mixins.scss
- components
  _blocks.scss
  _buttons.scss
  _forms.scss
  _icons.scss
  _type.scss
layout
  _aside.scss
  _footer.scss
  _header.scss
custom.scss
```

# WHAT'S IN \_DRUPAL.SCSS?

```
<font style="font-size: 24px;">// Drupal comes with CSS quirks (Drupalisms). Unravel or overrule them here.

// Make the "sticky" Top Bar play nice with the "fixed" Admin Menu.
.admin-menu .fixed {
  top: emCalc(29px);
}

// Remove the bottom padding on status messages when displayed inside a Zurb
// Foundation Reveal modal.
#status-messages.reveal-modal {
  .alert-box {
    margin-bottom: 0;
  }
} </font>
```

# WHAT DOES IT LOOK LIKE OUT OF THE BOX?

foundation-d7

Home Bears Blackhawks Bulls Cubs White Sox

No front page content has been created yet.

Search

• Add new content

## Navigation

• Add content

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# CUSTOM THEME SETTINGS

The screenshot shows a sidebar menu on the left with the following items:

- General Settings
- Foundation Top Bar** (highlighted with a blue border)
- Tooltips
- Styles and Scripts
- Misc Settings

The main content area displays information about the Foundation Top Bar and its configuration options:

**Enable**

If enabled, the site name and main menu will appear in a bar along the top of the page.

**Contain to grid**  
Check this for your top bar to be set to your grid width.

**Sticky**  
Check this for your top bar to stick to the top of the screen when the user scrolls down. If you're using the Admin Menu module and have it set to 'Keep menu at top of page', you'll need to check this option to maintain compatibility.

**Hover to expand menu**  
Set this to false to require the user to click to expand the dropdown menu.

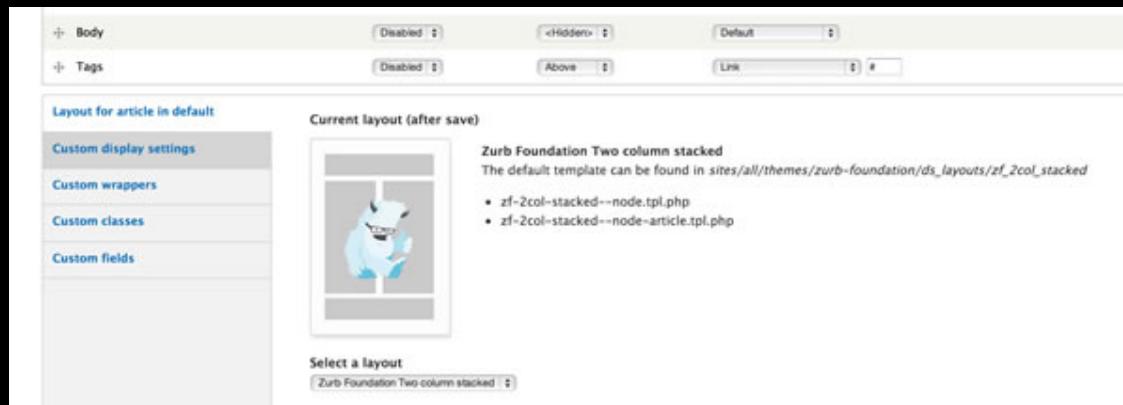
**DROPDOWN MENU**

# DRUPAL AND FOUNDATION HAVE TO UNDERSTAND EACH OTHER



# WAYS TO GO ABOUT IT

1. Theme preprocessor functions to set-up variables within the template
2. Create specific custom page, node, view and block templates
3. Display suite: <http://drupal.org/project/ds>



# LET'S SEE WHAT YOU CAN DO



**GRID**

# FOUNDATION 4 INCLUDES SMALL AND LARGE GRIDS

- Grids are nestable
- 12 column grid system
- Put everything in a row

```
<div class="row">
<div class="small-2 large-4 columns">...</div>
<div class="small-4 large-4 columns">...</div>
<div class="small-6 large-4 columns">...</div>
</div>
```

# 12-COLUMN GRID

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

# ADDING THE MEDIUM GRID

In Foundation 4, add this to your custom.scss

```
@import "foundation/components/grid-5";
```

# USE GRID W/ DISPLAY SUITE

Layout for page in default

Custom display settings

Custom wrappers

Custom classes

Custom fields

Current layout (after save)

Zurb Foundation Two column

The default template can be found in  
*sites/all/themes/zurb-foundation/ds\_layouts/zf\_2col*

- zf-2col--node.tpl.php
- zf-2col--node-page.tpl.php

Select a layout

Zurb Foundation Two column

Zurb Foundation Four column stacked

Zurb Foundation Four column bricks

Zurb Foundation Four column

Zurb Foundation Three row

Zurb Foundation Three column stacked

Zurb Foundation Three column bricks

✓ Zurb Foundation Three column

Zurb Foundation Two column stacked

Zurb Foundation Two column bricks

Zurb Foundation Two column

Zurb Foundation One column

# TOP BAR

Preconfigured to work with main menu...

```
<!--?php if ($top_bar): ?-->
<!--.top-bar -->
<!--?php if ($top_bar_classes): ?-->
<div class=<?php print $top_bar_classes; ?>>
<!--?php endif; ?-->
    <nav class="top-bar" <?php="" print="" $top_bar_options;="" ?="" ?=>>
        <ul class="title-area">
            <li class="name"><h1><!--?php print $linked_site_name; ?--></h1></li>
            <li class="toggle-topbar menu-icon"><a href="#"><span><!--?php print $top_bar_mer
        </ul>
        <section class="top-bar-section future" style="display: none;">
            <!--?php if ($top_bar_main_menu) :?-->
                <!--?php print $top_bar_main_menu; ?-->
            <!--?php endif; ?-->
            <!--?php if ($top_bar_secondary_menu) :?-->
                <!--?php print $top_bar_secondary_menu; ?-->
            <!--?php endif; ?-->
            <div class="slide-background"></div></section>
        </nav>
    <!--?php if ($top_bar_classes): ?-->
</div>
```

**foundation-d7**

**MENU** 

**foundation-d7**

**MENU** 

[Home](#)

[Bears](#)

[Blackhawks](#)

[Bulls](#)

[Cubs](#)

[White Sox](#)

# UI ELEMENTS (I.E. BUTTONS)

.tiny.button

.small.button

.button

.tiny.secondary

.small.success.radius

.round.disabled

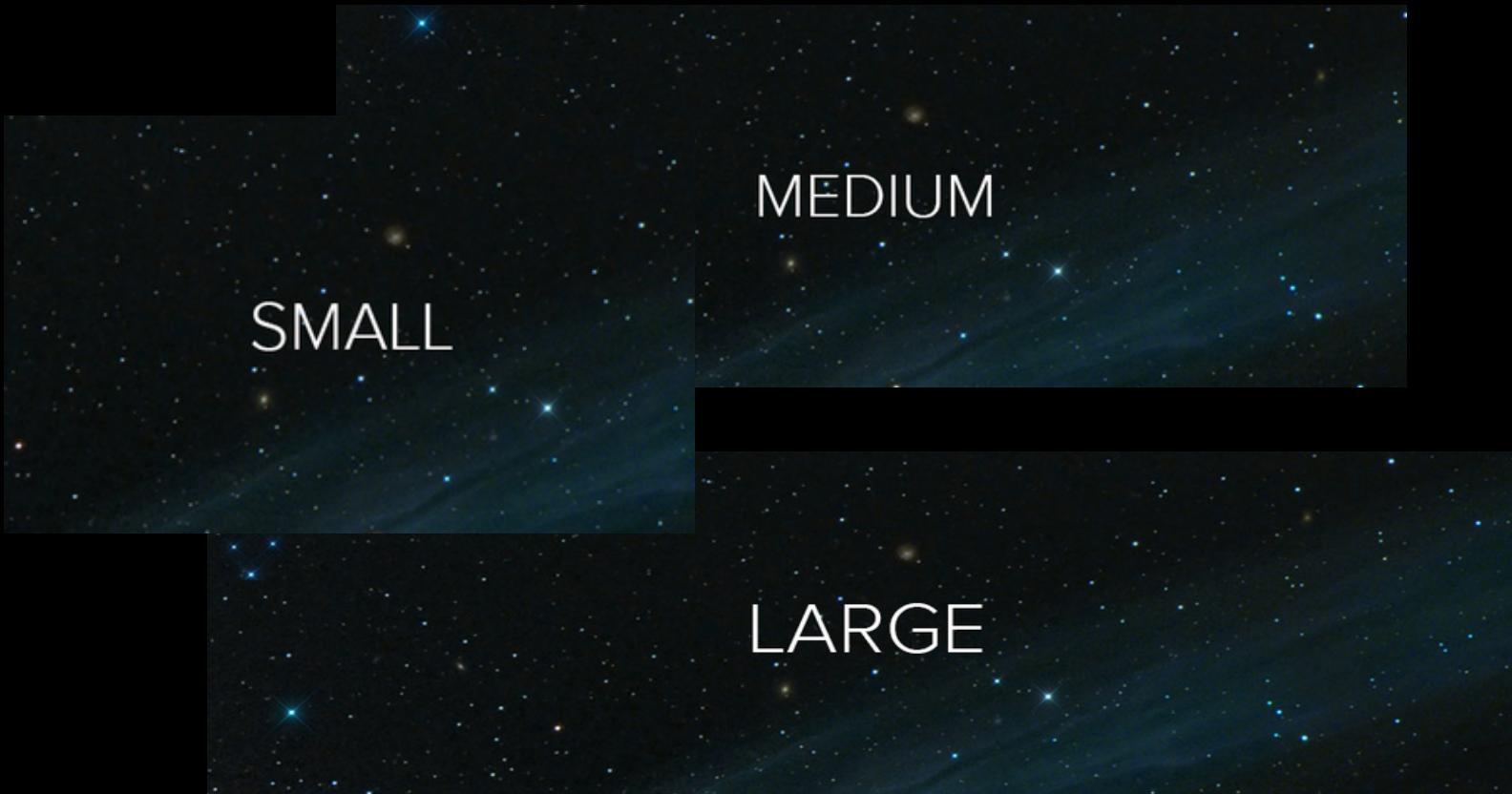
.large.button.expand

```
<!-- Size Classes -->
<a href="#" class="button">Default Button</a>
<a href="#" class="tiny button">Tiny Button</a>
<a href="#" class="small button">Small Button</a>
<a href="#" class="large button">Large Button</a>

<!-- Color Classes -->
<a href="#" class="button secondary">Secondary Button</a>
<a href="#" class="button success">Success Button</a>
<a href="#" class="button alert">Alert Button</a>
```

# INTERCHANGE

Dynamically load responsive content



SMALL

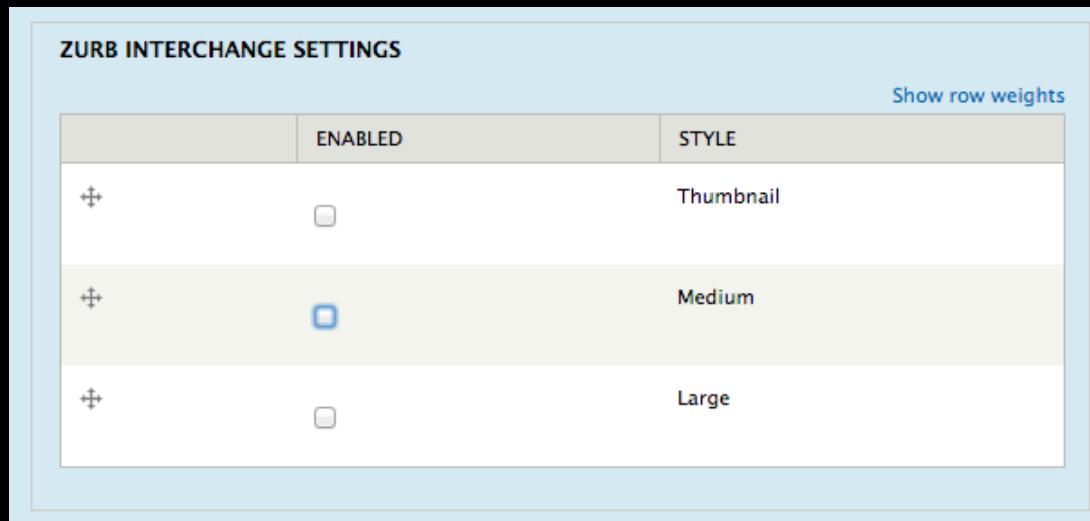
LARGE

# USING INTERCHANGE

[https://drupal.org/project/zurb\\_interchange](https://drupal.org/project/zurb_interchange)

```
<font style="font-size: 24px;">
  <span class="nt" style="font-family: monospace; background-color: #f0f0f0; border-radius: 5px; padding: 2px 10px; margin-right: 10px;">
    <span style="font-family: monospace; background-color: #f0f0f0; border-radius: 5px; padding: 2px 10px; margin-right: 10px;">
      <span class="na" style="font-family: monospace; background-color: #f0f0f0; border-radius: 5px; padding: 2px 10px; margin-right: 10px;">
        <span class="s" style="font-family: monospace; background-color: #f0f0f0; border-radius: 5px; padding: 2px 10px; margin-right: 10px;">
          <span class="nt" style="font-family: monospace; background-color: #f0f0f0; border-radius: 5px; padding: 2px 10px; margin-right: 10px;">
            </font>
```

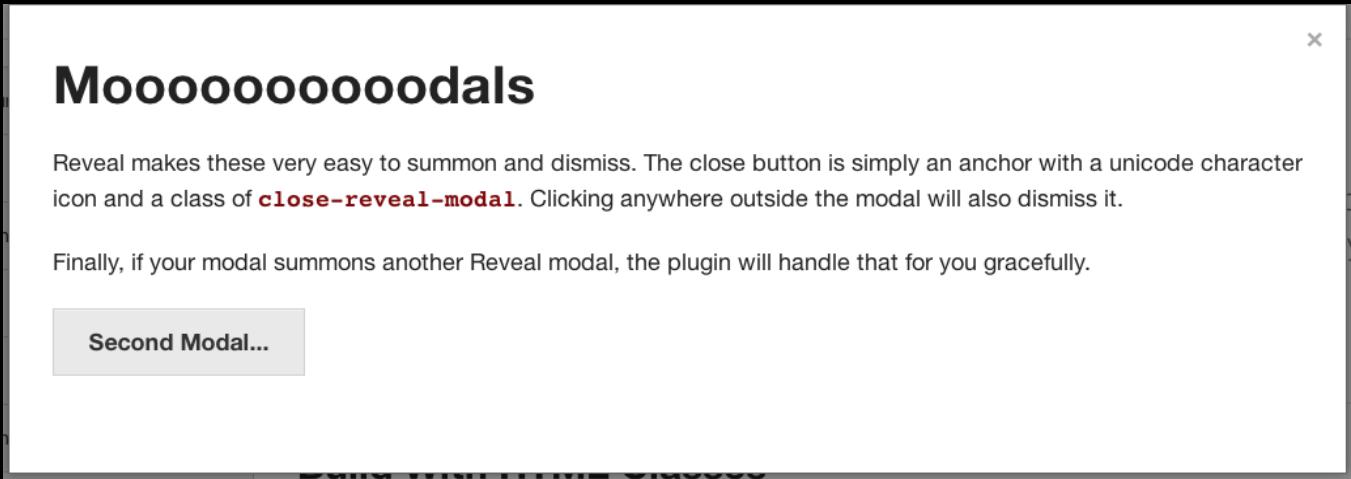
Adds settings to Image field types in display settings



The screenshot shows a table titled "ZURB INTERCHANGE SETTINGS" with three rows. The columns are "ENABLED" and "STYLE". The "Thumbnail" row has an enabled checkbox. The "Medium" row has an enabled checkbox that is checked. The "Large" row has an enabled checkbox.

	ENABLED	STYLE
Thumbnail	<input type="checkbox"/>	Thumbnail
Medium	<input checked="" type="checkbox"/>	Medium
Large	<input type="checkbox"/>	Large

# REVEAL (MODALS)



Mooooooooodals

Reveal makes these very easy to summon and dismiss. The close button is simply an anchor with a unicode character icon and a class of `close-reveal-modal`. Clicking anywhere outside the modal will also dismiss it.

Finally, if your modal summons another Reveal modal, the plugin will handle that for you gracefully.

[Second Modal...](#)

```
<div id="myModal" class="reveal-modal">
<h2>Mooooooooodals</h2>
<p class="lead">Your couch. It is mine.</p>
<p>Im a cool paragraph that lives inside of an even cooler modal. Wins</p>
<a class="close-reveal-modal">x</a>
</div>
```

# ORBIT (IMAGE SLIDER)

[https://drupal.org/project/field\\_orbit](https://drupal.org/project/field_orbit)



Caption Three. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.



```
/* Available Variables */  
$small-screen: em-calc(768);  
$medium-screen: em-calc(1280);  
$large-screen: em-calc(1440);
```

Needs LibDisplay mode for image field / field collections (port of Field Slideshow).

# JOYRIDE

<https://drupal.org/project/joyride>  
(Uses context UI, copy-and-paste method, add library)



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[Next Steps](#)

attach the needed files, drop in your

Take control of how people interact with your tour. Incompatible with modern browsers and even used

Some fancy CSS to avoid images. Now let's see just how easy it is to take your first ride without getting the fuzz involved



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# FOUNDATION SASS MIXINS

- Dependent on Compass extension (included)  
[/sites/all/STARTER/scss/base/\\_init.scss](/sites/all/STARTER/scss/base/_init.scss)

```
// Global Zurb Foundation variables.  
@import "variables";  
// Comment out this import if you don't want to use normalize.  
@import "normalize";  
// Comment out this import below if you are customizing your imports below.  
@import "foundation";  
// Comment out this import if you don't want to use Compass.  
@import "compass";
```

Or individually....

```
/* Each individual part that can be added in */  
// @import "foundation/components/global";  
// @import "foundation/components/grid";  
// @import "foundation/components/visibility";  
// @import "foundation/components/block-grid";  
// @import "foundation/components/type";  
// @import "foundation/components/buttons";  
// @import "foundation/components/forms";  
// @import "foundation/components/custom-forms";
```

# GRID MIXINS

You can use grid mixins that let you layout the page without using presentational classes you don't want.

( i.e. <div class="row"> )

```
<section class="container future" style="display: block;">
<article></article>
<aside></aside>
<div class="slide-background"></div></section>
```

# MEDIA QUERY MIXINS

```
/* Available Variables */  
$small-screen: em-calc(768);  
$medium-screen: em-calc(1280);  
$large-screen: em-calc(1440);
```

```
$screen: "only screen";  
$small: "only screen and (min-width: #{$small-screen})";  
$medium: "only screen and (min-width: #{$medium-screen})";  
$large: "only screen and (min-width: #{$large-screen})";  
$landscape: "only screen and (orientation: landscape)";  
$portrait: "only screen and (orientation: portrait)";
```

# RESOURCES

1. **Kitchen sink**

<http://foundation.zurb.com/docs/v/4.3.2/components/kitchen-sink.html>

2. **Try Foundation**

<http://tryfoundation.io>

3. **Pattern tap**

<http://patterntap.com/>

4. **Getting Sassy with Foundation 4 (video)**

<http://vimeo.com/86306732>

# QUESTIONS?

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**SLIDES**

<http://tinyurl.com/foundation-d7>