

# DISCOVERING FOUNDATION WITH SASS FOR DRUPAL

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# WHO'S THIS GUY?

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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 overri  
  
// 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?

The screenshot displays the front page of a Drupal 7 website using the 'foundation-d7' theme. The top navigation bar includes the site name 'foundation-d7' and links for 'Home', 'Bears', 'Blackhawks', 'Bulls', 'Cubs', and 'White Sox'. On the right side of the navigation bar, there are links for 'My account' and 'Log out'. Below the navigation bar, there is a search bar with a 'Search' button. To the right of the search bar, a message states 'No front page content has been created yet.' with a link to 'Add new content'. Below this, there is a 'Navigation' section with a link to 'Add content'. At the bottom of the page, there is a footer area containing the text 'Powered by Drupal' and '© 2014 foundation-d7 All rights reserved.'

# CUSTOM THEME SETTINGS

- General Settings
- Foundation Top Bar**
- Tooltips
- Styles and Scripts
- Misc Settings

The Foundation Top Bar gives you a great way to display a complex navigation bar on small or large screens.

**Enable**

Always ▾

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.

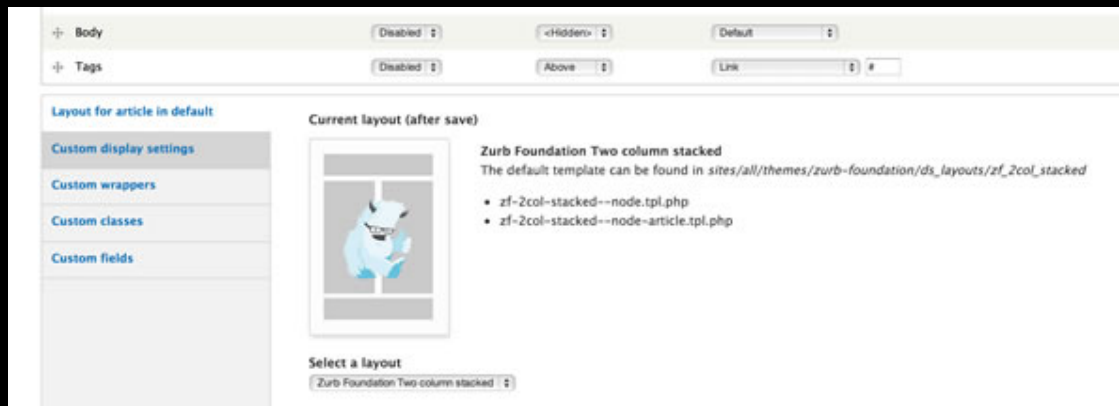
▸ **DROPDOWN MENU**

# 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**





The image features a background of vertical stripes in a vibrant blue and white color scheme. A solid black horizontal bar is positioned in the center of the frame. Within this black bar, the word "GRID" is written in a bold, white, sans-serif font, centered horizontally and vertically.

**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**

[Home](#)

[Bears](#)


[Blackhawks](#)

[Bulls](#)


[Cubs](#)

[White Sox](#)

**foundation-d7**

**MENU** 

**foundation-d7**

**MENU** 

[Home](#)

[Bears](#)

[Blackhawks](#)

[Bulls](#)

[Cubs](#)

[White Sox](#)

# UI ELEMENTS (I.E. BUTTONS)



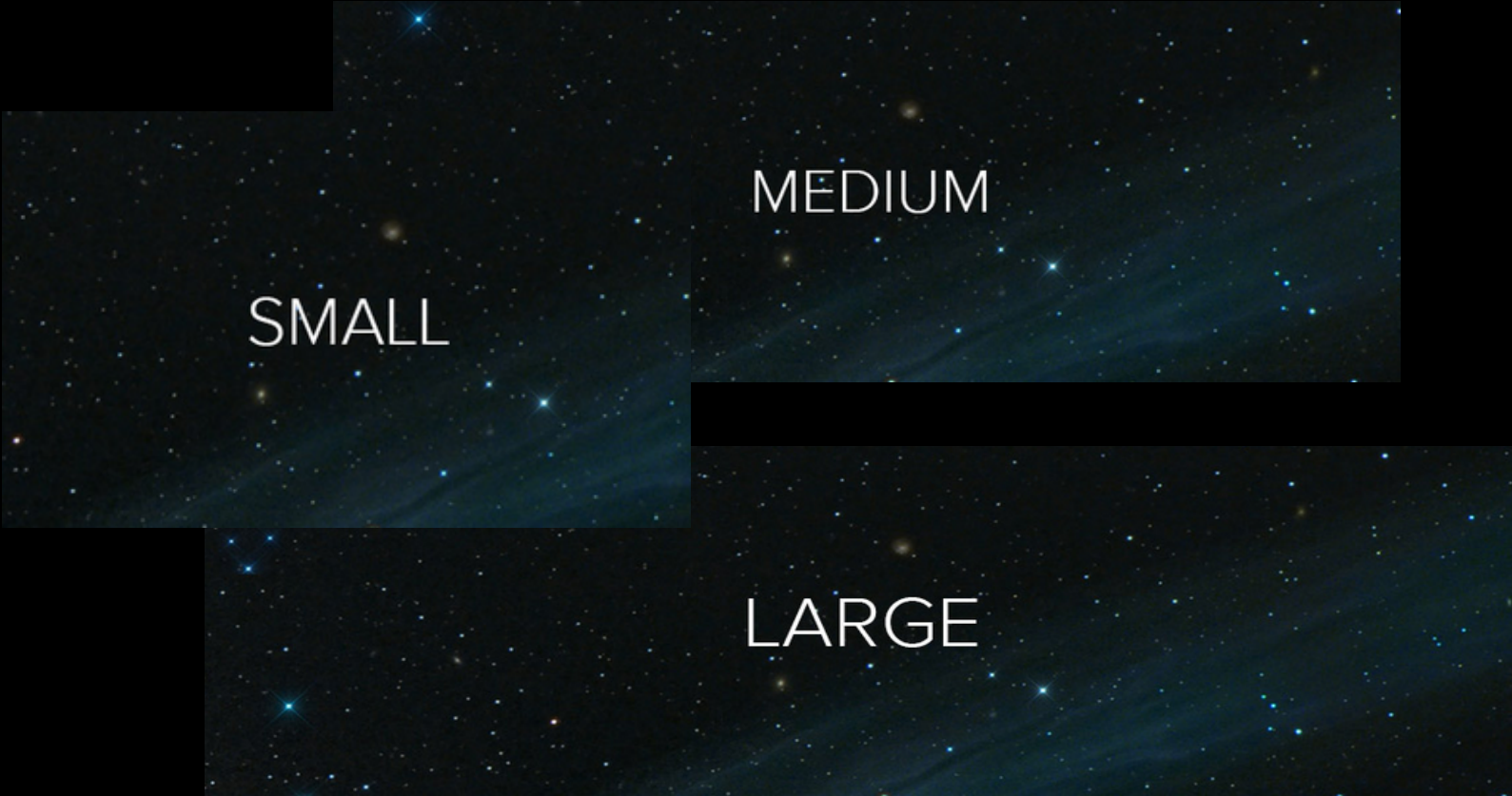
```
<!-- Size Classes -->
<a href="#" class="button">Default Button</a>
<a href="#" class="tiny button">Tiny Button</a>
<a href="#" class="small button">Small Button</a>
<a href="#" class="large button">Large Button</a>

<!-- 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

MEDIUM

LARGE

# USING INTERCHANGE

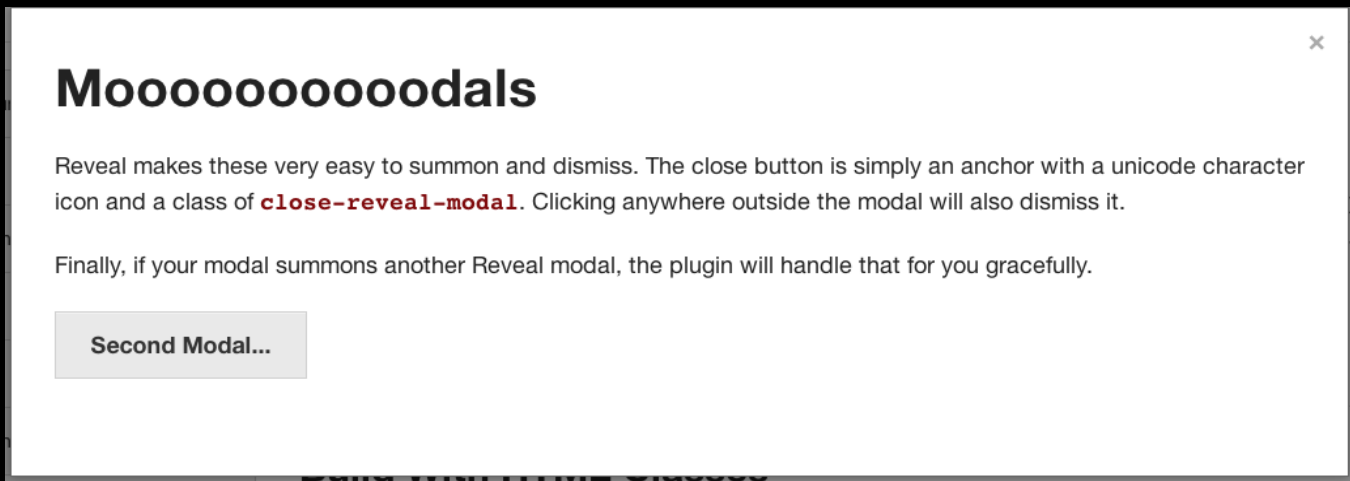
[https://drupal.org/project/zurb\\_interchange](https://drupal.org/project/zurb_interchange)

```
<font style="font-size: 24px;">  
  <span class="nt" style="font-family: monospace; background-color: #f0f0f0;">  
  <span style="font-family: monospace; background-color: #f0f0f0;">  
  <span class="na" style="font-family: monospace; background-color: #f0f0f0;">  
  <span class="s" style="font-family: monospace; background-color: #f0f0f0;">  
  <span class="nt" style="font-family: monospace; background-color: #f0f0f0;">  
</font>
```

Adds settings to Image field types in display settings

ZURB INTERCHANGE SETTINGS			<a href="#">Show row weights</a>
	ENABLED	STYLE	
+	<input type="checkbox"/>	Thumbnail	
+	<input checked="" type="checkbox"/>	Medium	
+	<input type="checkbox"/>	Large	

# REVEAL (MODALS)



```
<div id="myModal" class="reveal-modal">
<h2>Mooooooooooooodals</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">×</a>
</div>
```

# ORBIT (IMAGE SLIDER)

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



```
/* 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)



## Create jQuery Feature Tours in a Breeze

Joyride gives you everything you need to call out new features in your app or website.

Next: Steps

Attach the needed files, drop in your

Take control of how people interact with your tour.

Compatible with modern browsers and even used

See just how easy it is to take your first ride

without getting the fuzz involved



MailChimp:  
Send Better Email  
ZURB University Sponsor

Score an awesome product engineering or design job

Application Developer - iPhone/iPad OS  
Booking.com in Amsterdam, the Netherlands

# FOUNDATION SASS MIXINS

- Dependent on Compass extension (included)  
/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 you 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?

@BKRALL

**SLIDES**

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