Styleguide Driven Development

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Drupal Theming Pain Points

- Default markup

- Theming must wait until there's something to theme!

- CSS changes can break already styled stuff!

Default markup

```
<div id="node-127" class="node node-article node-promoted node-full clearfix" about="/node/127" typeof="sioc:Item
foaf:Document">
    <span property="dc:title" content="Drawing upon the senses leads to good wine memories" class="rdf-meta
element-hidden"></span>
    <div class="meta submitted"><span property="dc:date dc:created" content="2015-04-19T16:01:01-04:00" datatype="
xsd:dateTime" rel="sioc:has_creator">Submitted by <span class="username" xml:lang="" typeof="sioc:UserAccount"
property="foaf:name" datatype="">Anonymous (not verified)</span> on Sun, 04/19/2015 - 16:01</span></div>
    <div class="content clearfix">
        <div class="field field-name-field-image field-type-image field-label-hidden">
            <div class="field-items">
                <div class="field-item even" rel="og:image rdfs:seeAlso" resource="http://styleguide-camp.
dev/sites/default/files/styles/large/public/field/image/wine-tastingTN.jpg?itok=feaw4DqP">
                    <img typeof="foaf:Image" src="http://styleguide-camp.
dev/sites/default/files/styles/large/public/field/image/wine-tastingTN.jpg?itok=feaw4DqP" height="85" width="85"
></div></div></div>
        <div class="field field-name-body field-type-text-with-summary field-label-hidden">
            <div class="field-items">
                <div class="field-item even" property="content:encoded"><p>Thinking in pictures and shapes
– rather than mere words – will lead to improved consumer sensory memories about wine, said Kathryn LaTour at the
inaugural Women of the Vine symposium, held in March at Napa, California.</p></div></div></div>
    </div>
</div>
```

One Possible Solution

- Style it first!
- Show it to your client! (and get approval)
- Build it in Drupal!
- Bend Drupal markup to your will!
- Looks good automagically!
- !!!

Various Styleguide Solutions

All have something in common: You don't even need Drupal to build your styleguide.

- KSS (specifically the node port)
- Stylex http://www.darrenmothersele.com/blog/2015/03/20/stylex-prototype-style-guide-tool/

Let's try this right within Drupal.

Demo

- Clean install of Drupal
- With required modules
  - styleguide + styleguide_filesnippets
- Create and style a component
- Custom theme (bootstrap subtheme)
- Import some test content
- Implement theme changes

Demo: Modules and Theme

```
$ drush en styleguide_filesnippets
```
Now go configure file snippets directory.

```
$ drush dl bootstrap-7.x-3.x-dev
```

```
$ drush bootstrap-subtheme "CU Drupal Camp"
```
Set this new theme as default. We're gonna cheat a bit and use the Bootstrap CSS to save time.

Demo: News Component

Fusce Malesuada Purus Sollicitudin

Donec ullamcorper nulla non metus auctor fringilla. Cras mattis consectetur purus sit amet fermentum. Donec sed odio dui. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Integer posuere erat a ante venenatis dapibus posuere velit aliquet. Praesent commodo cursus magna, vel scelerisque nisl consectetur et. Curabitur blandit tempus porttitor.

Maecenas faucibus mollis interdum Maecenas faucibus mollis interdum

Donec sed odio dui. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Integer posuere erat a ante venenatis dapibus posuere velit aliquet. Praesent commodo cursus magna, vel scelerisque nisl consectetur et. Curabitur blandit tempus porttitor.

Etiam Fermentum Tristique

Donec sed odio dui. Donec sed odio dui. Maecenas sed diam eget risus varius blandit sit amet non magna. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Demo: News Component

```
<div class="media">
  <div class="media-left">
    <img class="media-object" src="http://placehold.it/100" alt="...">
  </div>
  <div class="media-body">
    <h4 class="media-heading">Cornell Drupal Camp Wins Attendance Award</h4>
    <p>Nullam id dolor id nibh ultricies vehicula ut id elit. Lorem ipsum dolor sit
amet, consectetur adipiscing elit. Vivamus sagittis lacus vel augue laoreet rutrum
faucibus dolor auctor. Cras mattis consectetur purus sit amet fermentum. Aenean eu leo
quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Morbi leo risus, porta
ac consectetur ac, vestibulum at eros.</p>
  </div>
</div>
<!-- Duplicate the above for a sample listing -->
```

Add this markup to `Components/News Listing.html`
in the styleguide snippets directory.

Demo: Sample Content

```
$ drush en feeds-7.x-2.x-dev
$ drush en feeds_xpathparser feeds_tamper
```

- Sample importer: https://gist.github.com/jeffam/41d4e9fbf322bdac6002
- This step replaces a longer process of defining a content type, adding fields, and generating test content.

Theme it: Template suggestion

Add to `template.php`:

```php
/**
 * Implements hook_preprocess_node().
 */
function cu_drupal_camp_preprocess_node(&$vars) {
  // Make "node--NODETYPE--VIEWMODE.tpl.php" templates available for nodes
  $vars['theme_hook_suggestions'][] = 'node__' . $vars['type'] . '__' . $vars['view_mode'];
}
```

Adds a new [template suggestion](#) for node view modes.

Theme it: Template suggestion (pt 2)

Add to `templates/node--article--teaser.tpl.php`:

```
<div class="media">
  <div class="media-left">
    <?php print render($content['field_image']); ?>
  </div>
  <div class="media-body">
    <h4 class="media-heading" <?php print $title_attributes; ?>><a href="<?php print
$node_url; ?>"><?php print $title; ?></a></h4>
    <?php hide($content['links']); ?>
    <?php print render($content); ?>
  </div>
</div>
```
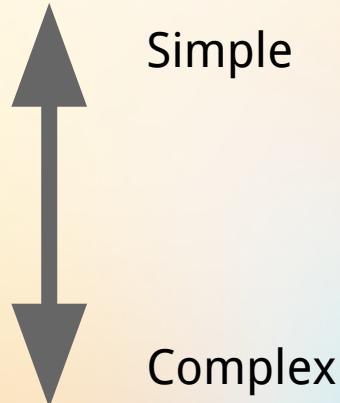
Template Theming Pros and Cons

✓ Style in one place: home page, taxonomy, and Views content listings all look the same

☐ More effort

☐ Depends on site structure, so it's good to keep your fields and content types in features

☐ Litters your theme with template files

Other Options

- Views field display tinkering
- [Field Group](#)
- [Field Formatter Class](#)
- [Display Suite](#)
- [Panels](#)

Simple

Complex

Something we didn't talk about

- CSS organization, frameworks, pre- and post-processors, oh my.

- SMACSS and BEM
  http://www.sitepoint.com/bem-smacss-advice-from-developers/

Links

- https://www.previousnext.com.au/blog/style-guide-driven-development-new-web-development

- http://www.darrenmothersele.com/blog/2015/03/20/stylex-prototype-style-guide-tool/

- https://www.advomatic.com/blog/style-guides-in-drupal

Thanks!

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