

What's New In Drupal 8

Theming



Theming: What's New?

- ▶ Learnability
- ▶ Responsive & mobile
- ▶ HTML5
- ▶ Improved markup
- ▶ Twig
- ▶ Modern best practices for CSS & JS

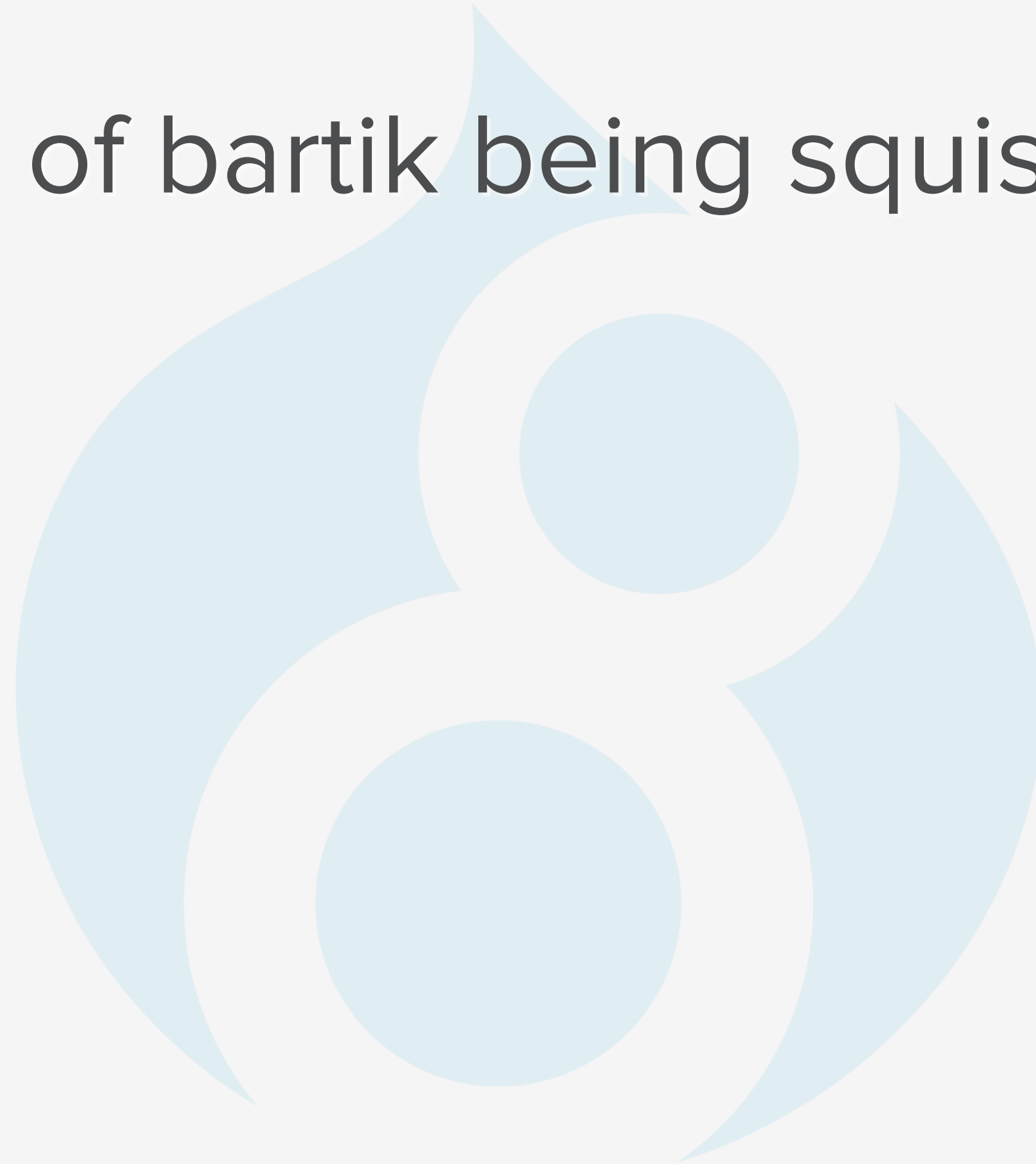
Easier to Learn

- ▶ THEMENAME.theme vs. template.php
- ▶ No more hook_process()
- ▶ New theme engine (Twig) that doesn't require PHP knowledge
- ▶ Secure by default

Responsive & Mobile

- ▶ Core themes are all responsive
- ▶ Mobile in its DNA
- ▶ Responsive images
- ▶ “Fast by default”

- ▶ insert clip/video of bartik being squishy




Motivational Cookies | Drupal 8

Joe

← → ↺

I... ⚙️ ☆ OS 🔒

 **Drupal 8 : What's New**

Menu ☰

[Home](#)


Motivational Cookies

View

Edit

Delete

Submitted by [admin](#) on Wed, 12/10/2014 - 14:11



Sesame snaps fruitcake cupcake sweet sugar plum

Edit responsive image map

Joe

← → ↺

localhost/demos/drupal8-beta3/admin/config/media/responsive-image-mapping/content_image ⚙️ ☆ OS 🔒

← Back to site

☰ Manage

★ Shortcuts

👤 admin

📁 Content

👤 Structure

🔍 Appearance

🧩 Extend

🔧 Configuration

👥 People

📊 Reports

🔗 Help

⏪

Edit responsive image mapping Content image ☆

Home » Administration » Configuration » Media » Responsive image mappings

Label *

Machine name: content_image

Example: 'Hero image' or 'Author image'.

Breakpoint group *

Select a breakpoint group from the installed themes. Warning: if you change the breakpoint group you lose all your selected mappings.

1x mobile [(min-width: 0px)]

Select an image style for this breakpoint.

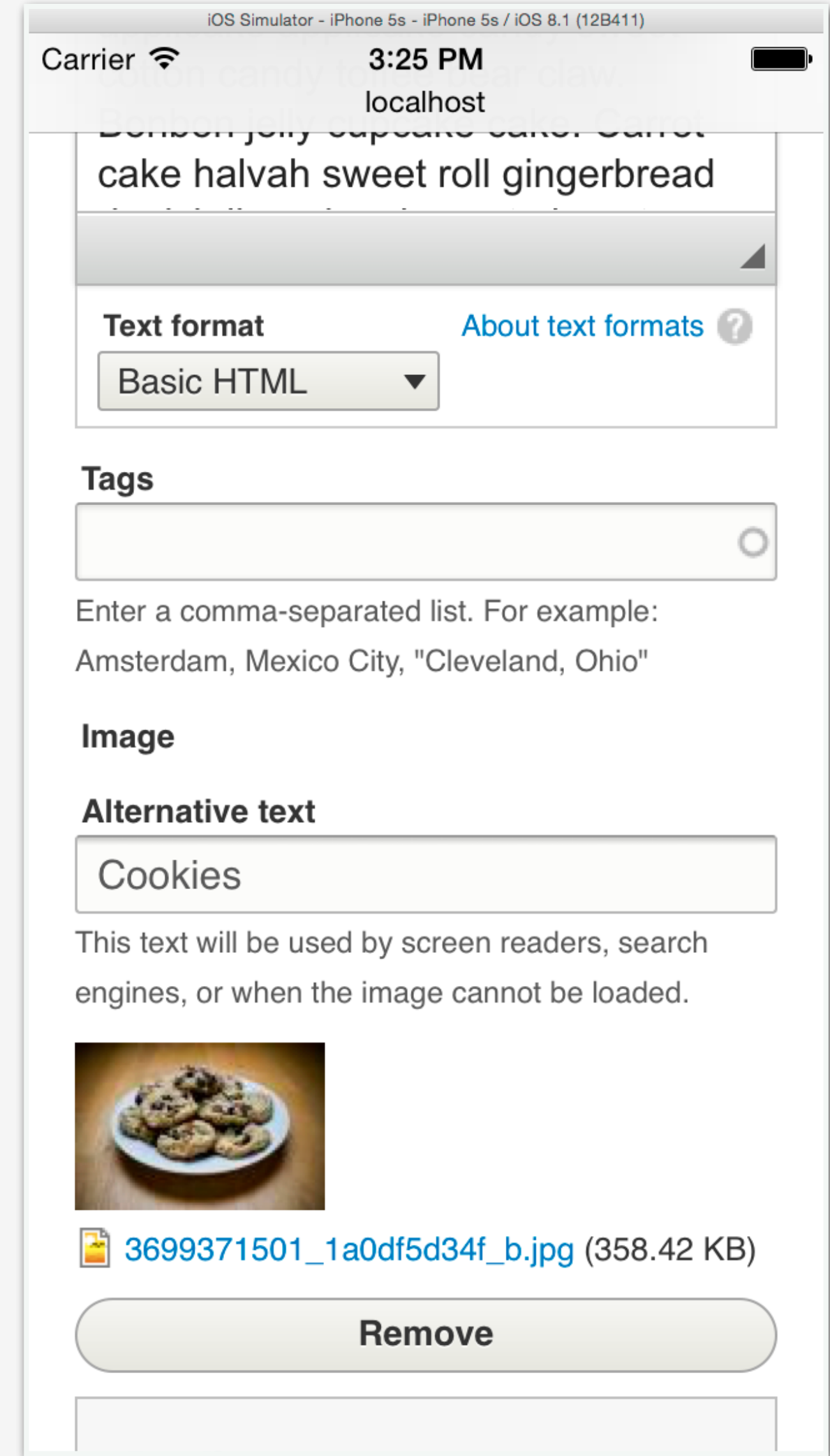
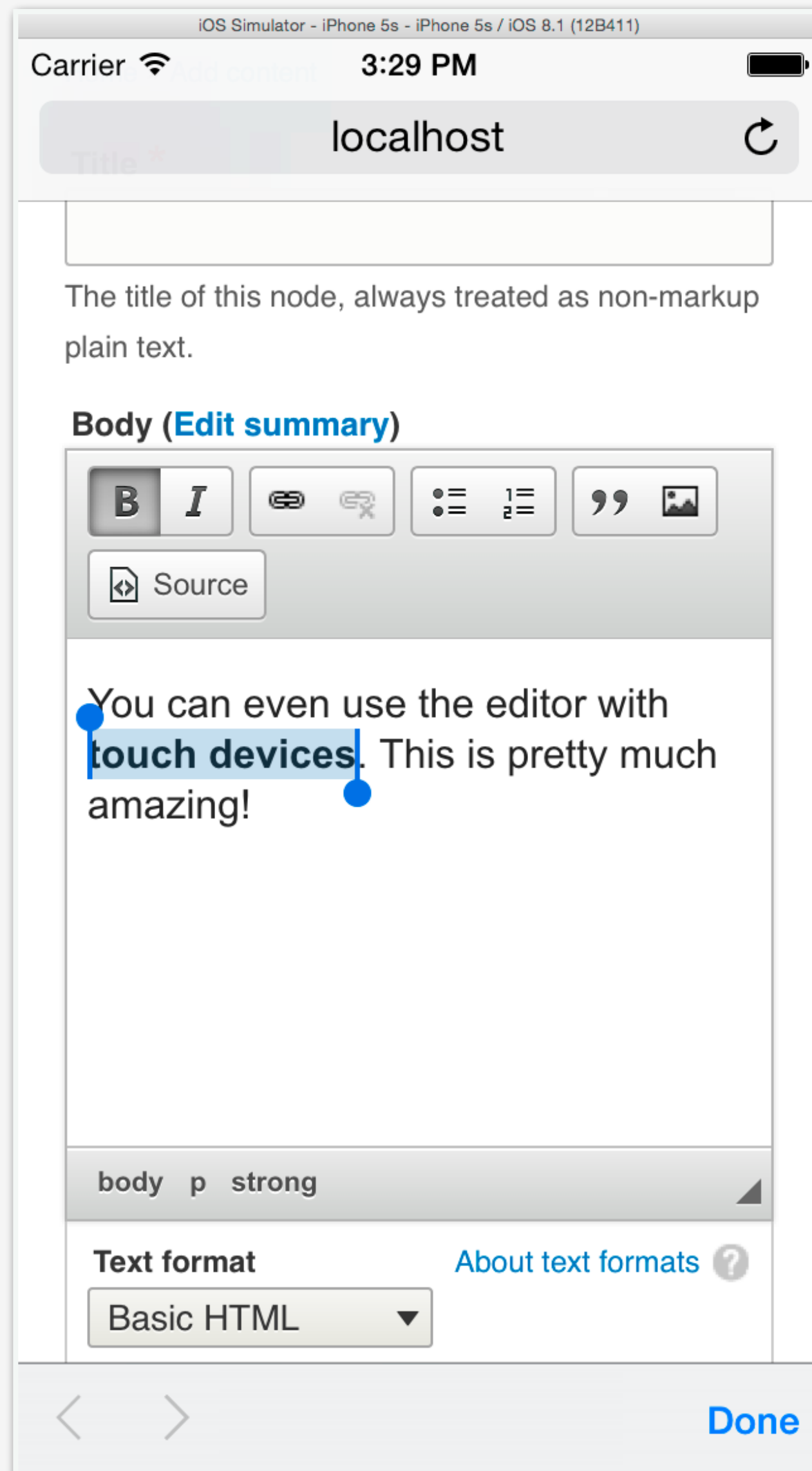
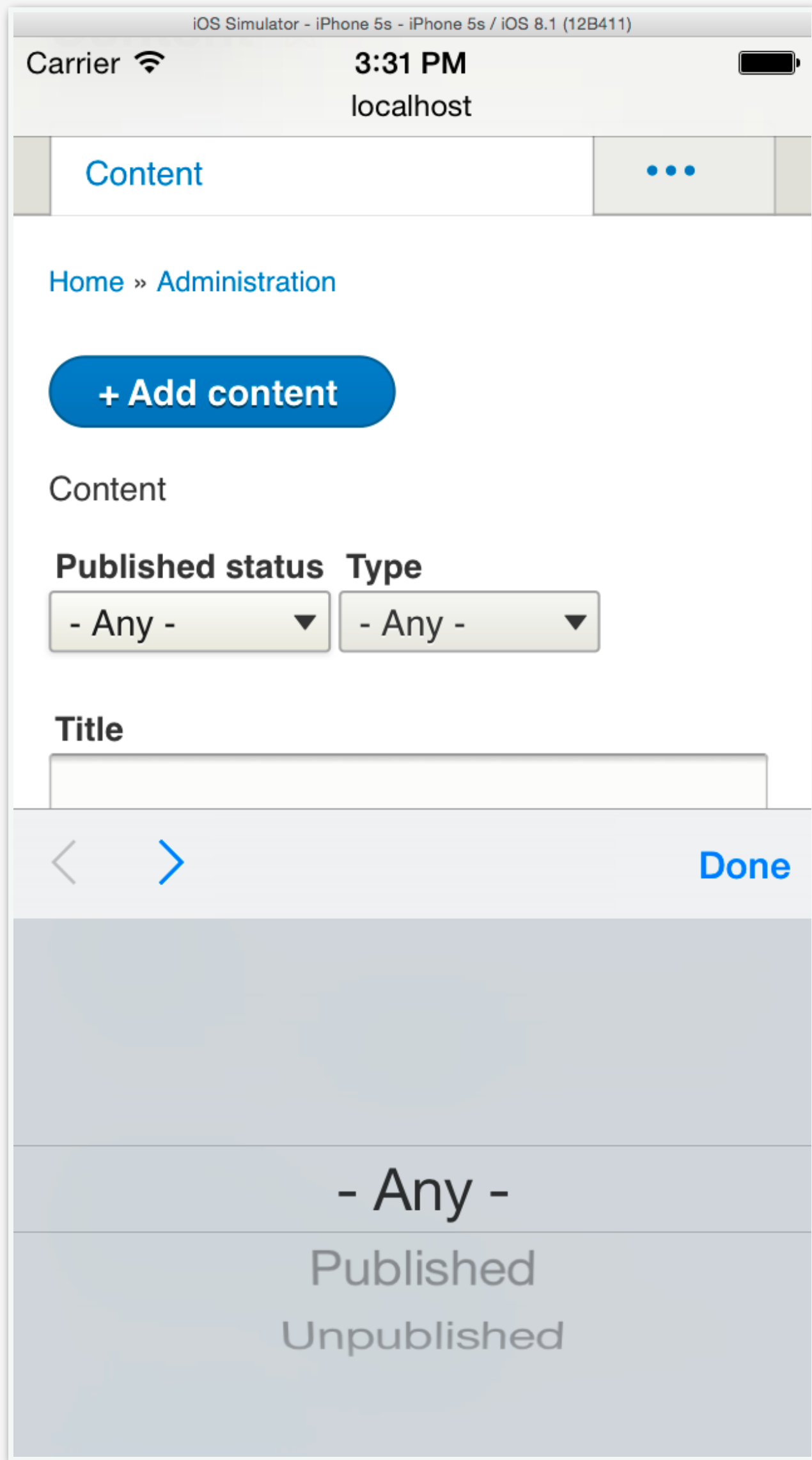
1x narrow [all and (min-width: 560px) and (max-width: 850px)]

Select an image style for this breakpoint.

1x wide [all and (min-width: 851px)]

Select an image style for this breakpoint.

Save



Manage

Shortcuts

admin

My accountLog out

Home

Search

Motivational Cookies

ViewEditDelete

Submitted by admin on Wed, 12/10/2014 - 14:11

ElementsNetworkSourcesTimelineProfilesResourcesAuditsConsole

Preserve log

Disable cache

Name	Method	Status	Type	Initiator	Size	Time	Timeline	400 ms	600 ms	800 ms	1.00 s	1.20 s	1.40 s	1.60 s	1.80 s
1	GET	200	text/html	Other	34.9 KB	640 ms									
localhost.js	GET	200	text/javascript		219 B	5 ms									
css_ynm0GiuLDW4NopofHyZjy5KGBFfrRCjRyZ5lvXAR1ic.css?0	GET	200	text/css	1:14	2.7 KB	48 ms									
css_qtsp5kf5FTzvz0xUnibLx2CwWZ4A5FqrxzIVylXoeWo.css?0	GET	200	text/css	1:13	4.5 KB	49 ms									
css_VGs5FhUjyVuMhO0HtxNzCm1RDOGx-jErN-1iluLrOAc.css?0	GET	200	text/css	1:15	1.1 KB	47 ms									
css_iBtN_eaDxklDpkKfBlcz42dyYlBlcZrayeaA2PkLLBo.css?0	GET	200	text/css	1:16	7.3 KB	49 ms									
css_liuzl4UxyVxvjy2EB2bwe8FhcZUYHr6J18tj4IZwqrs.css?0	GET	200	text/css	1:17	9.0 KB	49 ms									
css_ThUn5DDTasQHIMv1MQAwyMj14lRkcVK5lsdlQejkApY.css?0	GET	200	text/css	1:18	735 B	47 ms									
js_-lxc_wfqU-zWIS-VQr4l9TFnfND0VlbqNMFpYXPNF80.js	GET	200	text/javascript	1:30	765 B	56 ms									
js_697k-1z2SoKO2jt7xFtw-piHx3g8RBUqQ1dBaKtNqwk.js	GET	200	text/javascript	1:35	156 KB	111 ms									
modernizr.min.js?v=2.6.2	GET	200	application/javas...	1:29	3.8 KB	50 ms									
ckeditor.js?v=4.4.5	GET	200	application/javas...	1:36	502 KB	72 ms									
js_Rvl_TmpmlO9u2N8Gg56EQMVFI2vraQpl6xluDrt-YMA.js	GET	200	text/javascript	1:37	39.3 KB	63 ms									
js_SYwSySLvMPpl9dZ5z8BJHoKTPpyXC-Kq2k6YRVDMdQ.js	GET	200	text/javascript	1:383	32.1 KB	63 ms									
logo.png	GET	200	image/png	1:99	3.8 KB	17 ms									
3699371501_1a0df5d34f_b.jpg?itok=K9ycO_HM	GET	200	image/jpeg	1:200	25.7 KB	14 ms									
hamburger.svg	GET	200	image/svg+xml	jquery.js:1	924 B	10 ms									
star.svg	GET	200	image/svg+xml	jquery.js:1	946 B	12 ms									
person.svg	GET	200	image/svg+xml	jquery.js:1	989 B	14 ms									
tabs-border.png	GET	200	image/png	jquery.js:1	491 B	14 ms									
required.svg	GET	200	image/svg+xml	jquery.js:1	927 B	14 ms									
help.png	GET	200	image/png	jquery.js:1	704 B	13 ms									
loupe.svg	GET	200	image/svg+xml	jquery.js:1	905 B	10 ms									
attachments	POST	200	application/icon	js_607k-1z2SoKO2jt7xFtw-piH	6.7 KB	275 ms									

44 requests | 949 KB transferred | 1.89 s (load: 1.30 s, DOMContentLoaded: 1.14 s)

HTML5

The markup in **Drupal 8** is all **HTML5**. New tags like `<header>`, `<nav>`, `<article>`, and new input types like **phone**, **date**, and **email** are used in core.

Edit Article

Motivational Cookies

☆

View

Edit

Delete

Home » Motivational Cookies

Title *

Motivational Cookies

The title of this node, always treated as non-markup plain text.

Summary

Leave blank to use trimmed value of full text as the summary.

Body

<p class="paragraph ng-attr-widget" repeat-index="0">Sesame snaps fruitcake cupcake sweet sugar plum lollipop. Icing icing ice cream liquorice sesame snaps sweet. Pudding tiramisu cotton candy fruitcake topping pie. Danish applicake applicake candy sweet cotton candy toffee bear claw. Bonbon jelly cupcake cake. Carrot cake halvah sweet roll gingerbread danish liquorice dessert pie oat cake.</p>

<p class="paragraph ng-attr-widget" repeat-index="1">Pudding gingerbread icing pudding gingerbread. Carrot cake apple pie lemon drops. Bear claw jelly-o cotton candy candy canes topping gummies. Tootsie roll dragée cake dragée icing sweet. Jelly-o chocolate lollipop macaroon lemon drops oat cake applicake. Candy canes oat cake liquorice. Pie bear claw toffee tiramisu tart.</p>

<p class="paragraph ng-attr-widget" repeat-index="2">Gummi bears chocolate lemon drops soufflé marshmallow. Biscuit sweet roll gummies gummi bears. Icing lemon drops chocolate cake chocolate cake halvah pastry marzipan. Tootsie roll powder unerdwear.com candy canes tart jelly beans. Chupa chups chocolate cake biscuit liquorice. Chocolate dragée icing. Wafer wafer candy canes. Unerdwear.com sesame snaps croissant gingerbread.</p>

Text format

Basic HTML

About text formats ?

Restricted HTML

- Allowed HTML tags: <a> <cite> <blockquote> <code> <dl> <dt> <dd> <h4> <h5> <h6>

- Lines and paragraphs break automatically.
- Web page addresses and email addresses turn into links automatically.

Tags

Enter a comma-separated list. For example: Amsterdam, Mexico City, "Cleveland, Ohio"

Image

Alternative text

Cookies

This text will be used by screen readers, search engines, or when the image cannot be loaded.

Published

Last saved: 12/10/2014 – 14:12

Author: admin

☐ Create new revision

Revision log message

Briefly describe the changes you have made.

► MENU SETTINGS

► COMMENT SETTINGS

► URL PATH SETTINGS

▼ AUTHORIZING INFORMATION

Authored by

admin (1)

The user ID of the node author.

Authored on

12/10/2014 02:11:57 PM

December 2014

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

to use the time of form submission.



Edit Article

Motivational Cookies

☆

View

Edit

Delete

Home » Motivational Cookies

Title *

Motivational Cookies

The title of this node, always treated as non-markup plain text.

Summary

Leave blank to use trimmed value of full text as the summary.

Body

<p class="paragraph ng-attr-widget" repeat-index="0"><span class="ng-binding ng-directive" bi
Icing icing ice cream liquorice sesame snaps sweet. Pudding tiramisu cotton candy fruitcake toppin
jelly cupcake cake. Carrot cake halvah sweet roll gingerbread danish liquorice dessert pie oat cake.

<p class="paragraph ng-attr-widget" repeat-index="1"><span class="ng-binding ng-directive" bi
apple pie lemon drops. Bear claw jelly-o cotton candy candy canes topping gummies. Tootsie roll d
cake applicake. Candy canes oat cake liquorice. Pie bear claw toffee tiramisu tart.</p>

<p class="paragraph ng-attr-widget" repeat-index="2"><span class="ng-binding ng-directive" bi
Biscuit sweet roll gummies gummi bears. Icing lemon drops chocolate cake chocolate cake halvah p
Chupa chups chocolate cake biscuit liquorice. Chocolate dragée icing. Wafer wafer candy canes. Un

Text format

Basic HTML

- Restricted HTML
- Allowed HTML tags: <a> <cite> <blockquote> <code> <dl> <dt> <dd> <h4>
- Lines and paragraphs break automatically.
- Web page addresses and email addresses turn into links automatically.

Tags

Enter a comma-separated list. For example: Amsterdam, Mexico City, "Cleveland, Ohio"

Image

Alternative text

Cookies

This text will be used by screen readers, search engines, or when the image cannot be loaded.

▼

AUTHORING INFORMATION

Authored by

admin (1)

The user ID of the node author.

Authored on

Dec 10, 2014



2:11 PM



Format: 2014-12-10 14:44:09. Leave blank to use time of form submission.

►

PROMOTION OPTIONS



Clear Done

August	6	2010
September	7	2011
October	8	2012
November	9	2013
December	10	2014
January	11	2015
February	12	2016
March	13	2017
April	14	2018

Published

Last saved: 12/10/2014 - 14:12

Author: admin

☐ Create new revision

Revision log message

Briefly describe the changes you have made.

► MENU SETTINGS

► COMMENT SETTINGS

► URL PATH SETTINGS

▼

AUTHORING INFORMATION

Authored by

admin (1)

The user ID of the node author.

Authored on

12/10/2014



02:11:57 PM

Format: 2014-12-10 14:44:09. Leave blank to use the time of form submission.

December 2014

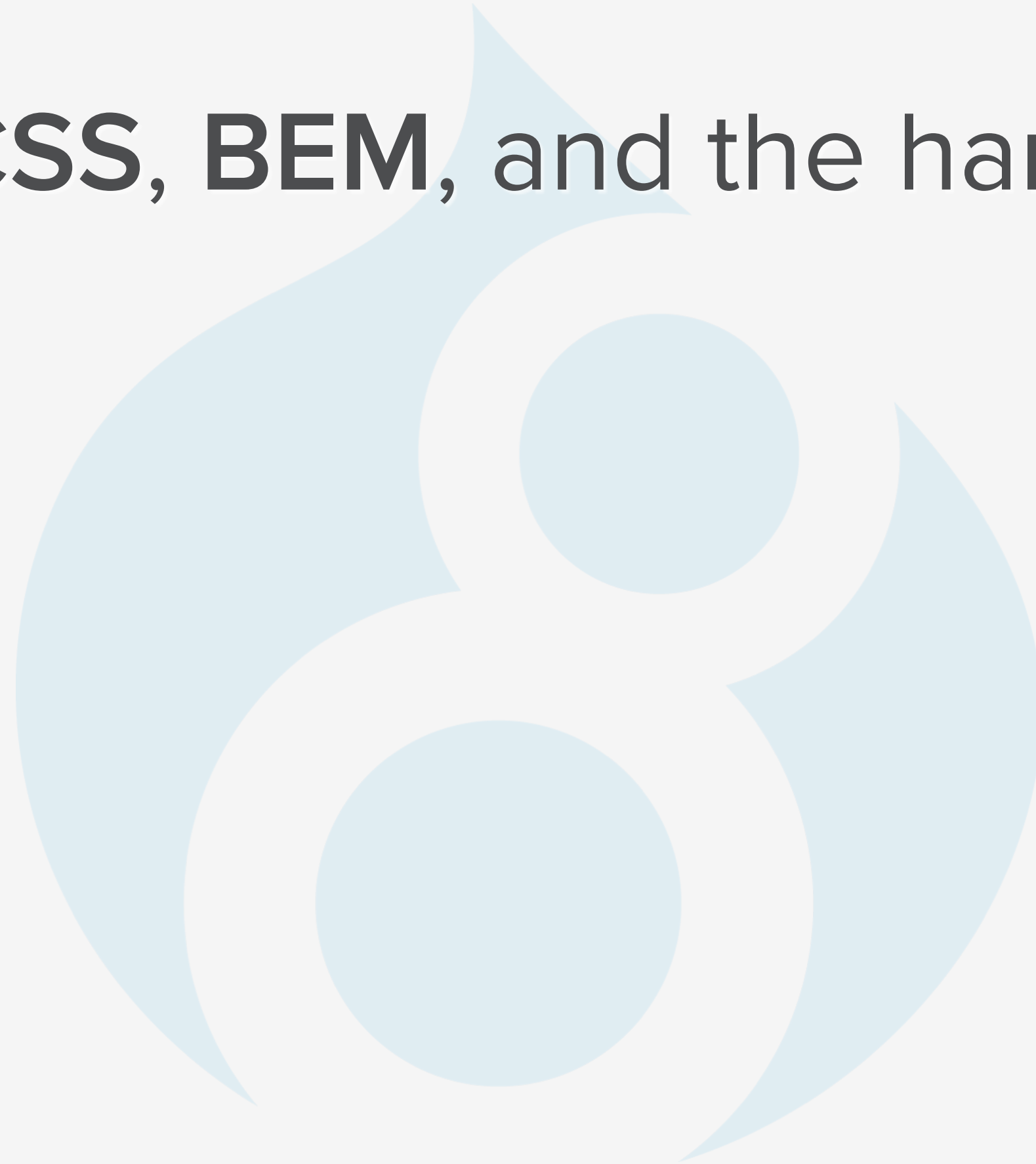
Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

HTML



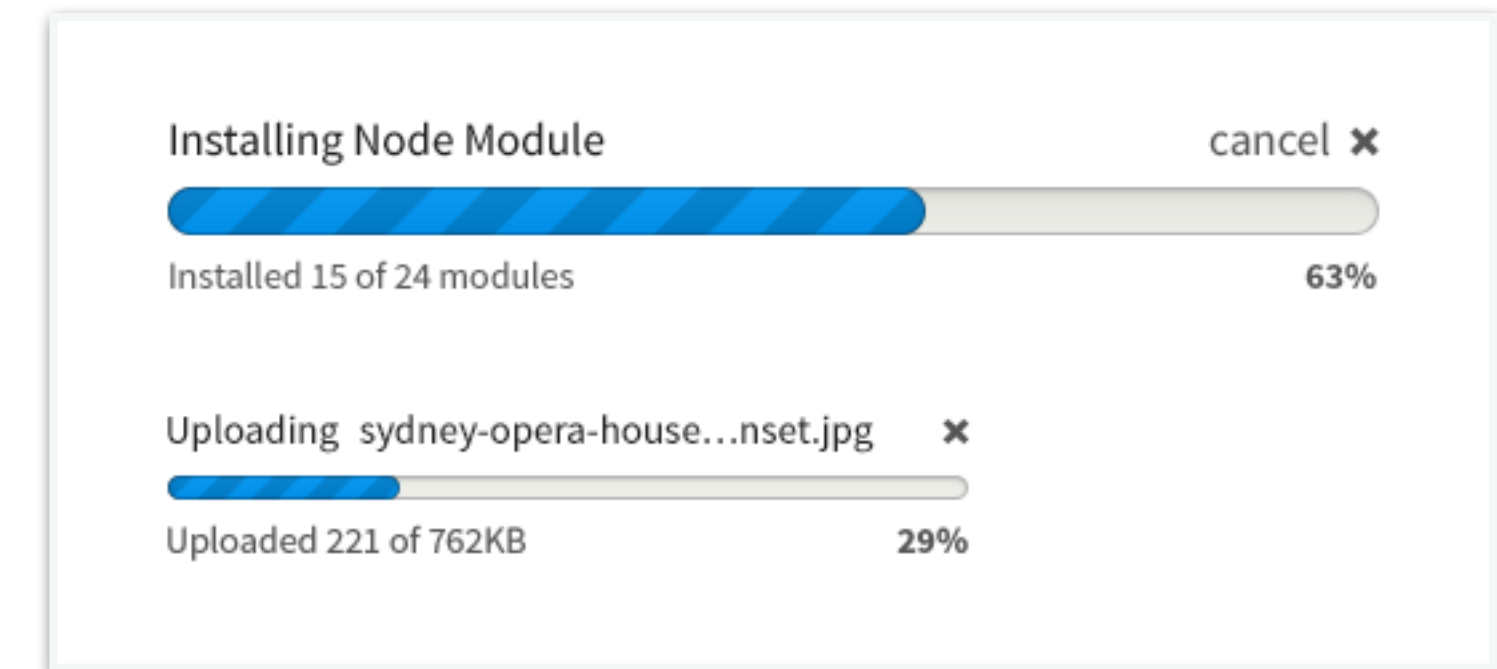
CSS Architecture

- ▶ Based on **SMACSS**, **BEM**, and the hard work of others
- ▶ Predictable
- ▶ Reusable
- ▶ Maintainable
- ▶ Scalable



CSS Components & Conventions

```
/**
 * Progress Bar component
 */
.progress {}
.progress__track {}
.progress__bar {}
.progress__description {}
.progress__cancel {}
.progress__cancel:focus,
.progress__cancel:hover {}
/**
 * Progress Bar small variant
 */
.progress--small .progress__track {}
.progress--small .progress__bar {}
.progress--small .progress__cancel {}
```



That's Some Classy Markup

Classes that are not required for functionality **should be optional**, and thus not included in the default HTML generated by core.

To sub-theme or not to sub-theme?

- Core → Classy → Bartik
- Core → Classy → {YOUR THEME}
- Core → {YOUR THEME}

Twig: A New Theme Engine

```
{%
  set classes = [
    'node',
    'node--type-' ~ node.bundle|clean_class,
    ...
  ]
%}
<article{{ attributes.addClass(classes) }}>

  {{ title_prefix }}
  {% if not page %}
    <h2{{ title_attributes }}>
      <a href="{{ url }}" rel="bookmark">{{ label }}</a>
    </h2>
  {% endif %}
  {{ title_suffix }}

  <div{{ content_attributes.addClass('node__content') }}>
    {{ content|without('links') }}
  </div>

  {% if content.links %}
    <div class="node__links">
      {{ content.links }}
    </div>
  {% endif %}

</article>
```

Modernizing Drupal's JavaScript

- ▶ JavaScript defined and included as libraries
- ▶ Inclusion of 3rd party libraries like Modernizer, underscore.js, backbone.js
- ▶ ESLint and defined coding standards

system.libraries.yml excerpt:

```
install-page:
  version: VERSION
  js:
    js/mobile.install.js: {}
  css:
    theme:
      css/theme/install-page.css: {}
  dependencies:
    - seven/maintenance-page

drupal.nav-tabs:
  version: VERSION
  js:
    js/nav-tabs.js: {}
  dependencies:
    - core/matchmedia
    - core/jquery
    - core/drupal
    - core/jquery.once
    - core/jquery.intrinsic
```



UNDERSCORE.JS





```
/Users/joe/Sites/demos/drupal8-beta3
```

```
bash-3.2$ eslint .
```

```
core/misc/ajax.js
```

```
57:12  error  base is already declared in the upper scope  no-shadow
```

```
76:12  error  base is already declared in the upper scope  no-shadow
```

```
core/misc/form.js
```

```
138:14  error  formFields is already declared in the upper scope  no-shadow
```

```
core/misc/vertical-tabs.js
```

```
40:14  error  $this is already declared in the upper scope  no-shadow
```

```
core/modules/block_content/js/block_content.js
```

```
14:12  error  $context is already declared in the upper scope  no-shadow
```

```
29:12  error  $context is already declared in the upper scope  no-shadow
```

```
core/modules/ckeditor/js/ckeditor.admin.js
```

```
1213:10  error  $row is already declared in the upper scope  no-shadow
```

```
core/modules/ckeditor/js/plugins/drupalink/plugin.js
```

```
77:23  error  key is already declared in the upper scope  no-shadow
```

```
128:52  error  There should be no space before ','  comma-spacing
```

```
core/modules/color/color.js
```

```
210:14  error  i is already declared in the upper scope  no-shadow
```

```
core/modules/contextual/js/contextual.js
```

```
195:20  error  $placeholders is already declared in the upper scope  no-shadow
```

```
core/modules/node/content_types.js
```

```
42:12  error  $context is already declared in the upper scope  no-shadow
```

```
core/modules/node/node.js
```

```
14:12  error  $context is already declared in the upper scope  no-shadow
```

```
29:12  error  $context is already declared in the upper scope  no-shadow
```

```
38:12  error  $context is already declared in the upper scope  no-shadow
```

```
53:12  error  $context is already declared in the upper scope  no-shadow
```

```
core/modules/quickedit/js/views/EditorView.js
```

```
80:27  error  Irregular whitespace not allowed  no-irregular-whitespace
```

```
core/modules/text/text.js
```

```
28:25  error  A space is required after ','  comma-spacing
```

```
✖ 18 problems
```

```
bash-3.2$
```



ESLint

<http://eslint.org>

Recap

- ▶ Learnability
- ▶ Responsive & Mobile
- ▶ HTML5
- ▶ Improved markup
- ▶ Twig
- ▶ Modern best practices for CSS & JS