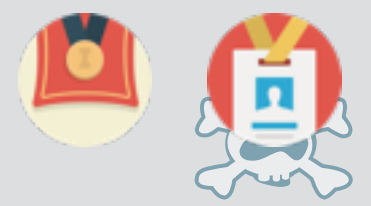




@MORTENDK



#DRUPALTWIG

DRUPAL 8

THEMING

DRUPALCON BARCELONA 2015



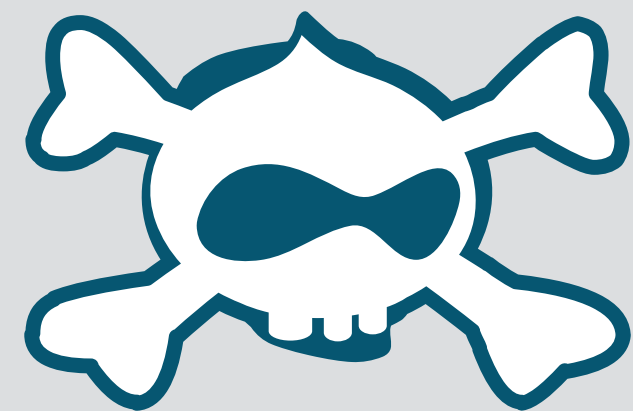
SLIDES

SLIDES ARE ONLINE
IN 60 MINUTES





@MORTENDK



TAG1

CONSULTING



CLASSY

MAINTAINER

GEEK
RÖYALE

THE **ANGRY**
THEMER

@MORTENDK



#DRUPALTWIG

@MORTENDK



#DRUPALTWIG





SORRY

RC 1

BOOOOOOO

LET THE ANGER OUT



STOCKHOLM SYNDROME



@MORTENDK



#DRUPALTWIG


```

<div id="main">
  <div class="content">
    <div class="panel-flexible panel-flexible-1 clear-block">
      <div class="panel-flexible-inside panel-flexible-1-inside">
        <div class="panel-flexible-1-middle">
          <div class="panels-flexible-column panels-flexible-column-1-main panels-flexible-column-first panels-flexible-column-last">
            <div class="inside panels-flexible-column-inside panels-flexible-column-1-main-inside panels-flexible-column-inside-first panels-flexible-column-inside-last">
              <div class="panels-flexible-column-1-main-middle">
                <div class="panels-flexible-row panels-flexible-row-1-8 panels-flexible-row-first clear-block">
                  <div class="inside panels-flexible-row-inside panels-flexible-row-1-8-inside panels-flexible-row-inside-first clear-block">
                    <div class="panels-flexible-row-1-8-middle">
                      <div class="panels-flexible-column panels-flexible-column-1-9 panels-flexible-column-first">
                        <div class="inside panels-flexible-column-inside panels-flexible-column-1-9-inside panels-flexible-column-inside-first">
                          <div class="panels-flexible-column-1-9-middle">
                            <div class="panels-flexible-row panels-flexible-row-1-12 panels-flexible-row-first panels-flexible-row-last clear-block">
                              <div class="inside panels-flexible-row-inside panels-flexible-row-1-12-inside panels-flexible-row-inside-first panels-flexible-row-inside-last clear-block">
                                <div class="panels-flexible-row-1-12-middle">
                                  <div class="panels-flexible-region panels-flexible-region-1-spotlight_ panels-flexible-region-first panels-flexible-region-last">
                                    <div class="inside panels-flexible-region-inside panels-flexible-region-1-spotlight_-inside panels-flexible-region-inside-first panels-flexible-region-inside-last">
                                      <div class="panel-pane">
                                        <div class="pane-content">
                                          <div id="ddblock-3" class="ddblock-cycle-gradient-green30p clear-block">
                                            <div class="container clear-block border">
                                              <div class="image-box-white-grey-white-10">
                                                <div class="image-box-corner-wrapper">
                                                  <div class="image-box-top-side">
                                                  <div class="image-box-left-side">
                                                  <div class="image-box-right-side">
                                                    <div class="container-inner clear-block border">
                                                      <div class="slider clear-block border">
                                                      <div class="spacer-horizontal">
                                                      <div id="ddblock-custom-pager-3" class="custom-pager custom-pager-bottom clear-block border">
                                                        <div class="custom-pager-inner clear-block border">
                                                          <div class="custom-pager-item custom-pager-item-0">
                                                            <div class="corners">
                                                              <div class="custom-pager-item-inner">
                                                                <div class="tl"/>
                                                                <div class="tr"/>
                                                                <div class="bl"/>
                                                                <div class="br"/>
                                                              </div>
                                                            </div>
                                                          <div class="spacer-horizontal">
                                                            <b/>
                                                          </div>

```

DRUPAL7
MARKUP

<DIV><DIV><DIV><DIV><DIV><DIV><DIV><DI
V><DIV><DIV><DIV><DIV><DIV><DIV><DIV><
DIV><DIV><DIV><DIV><DIV><DIV><DIV><DIV
><DIV><DIV><DIV><DIV><DIV><DIV><DIV>

DIVitis

“IT’S A FEATURE”

</DIV></DIV></DIV></DIV></DIV></DIV></
DIV></DIV></DIV></DIV></DIV></DIV>



5000

LINES OF PHPTEMPLATE.PHP

TOTALLY OK



THE CLASS SOUP IS ANOTHER

FEATURE

```
<div  
class="foo bar baz foo-more-more bar-  
more-yet another one">
```



AAAAARGH!

NO MORE



NEW

HELLO TWIG



GOOD-BYE
PHPTEMPLATE

THEME ENGINE

@MORTENDK



#DRUPALTWIG

THEME FUNCTIONS DEAD!





NODE.HTML.TWIG



PAGE.HTML.TWIG



BLOCK.HTML.TWIG



MARK.HTML.TWIG



VIEW.HTML.TWIG

TWIG

EVERYTHING IS



TABLE.HTML.TWIG

TEMPLATES



FIELD.HTML.TWIG



IMAGE-WIDGET.HTML.TWIG

@MORTENDK



#DRUPALTWIG

THE **THEME** is
in CONTROL
OF MARKUP & CSS



@MORTENDK

#DRUPALTWIG

UNLEARN PHPTEMPLA

<? PHP DIE('PHPTEMPLATE') ?>

TE

READY?

@MORTENDK



#DRUPALTWIG



TWIG

DRUPAL 8

@MORTENDK



#DRUPALTWIG

TWIG

IS A “MODERN” TEMPLATE LANGUAGE

→ SYMPHONY

USED BY OTHER SYSTEMS

+ IT'S EASY TO LEARN :)



{ # %

{{ var }}

{# comment #}

{% functionality %}

VAR DRILLING

7 \$yo['drupal_where ']->is['und'][0]->my_data

{{ data.is.here }}

{{ also.this[#hashtags] }}



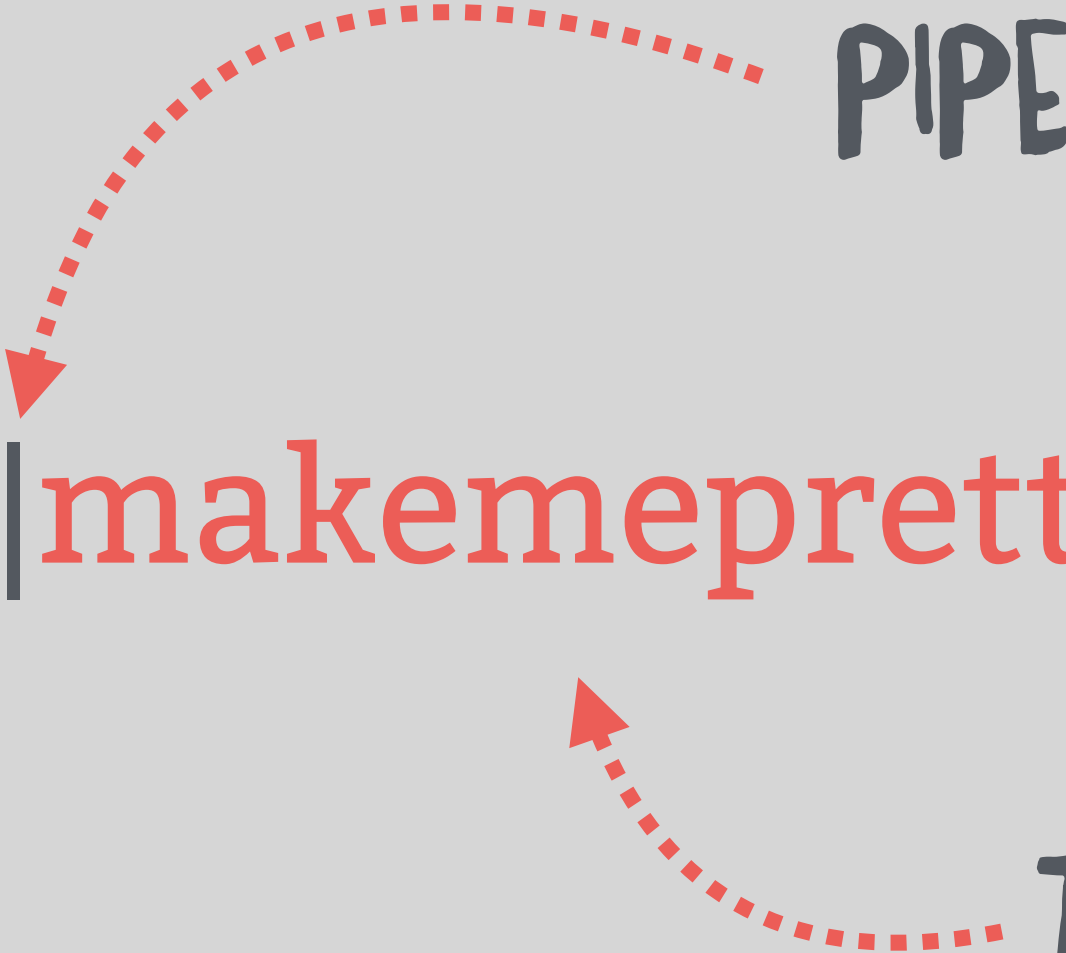
FUNCTION

PIPE

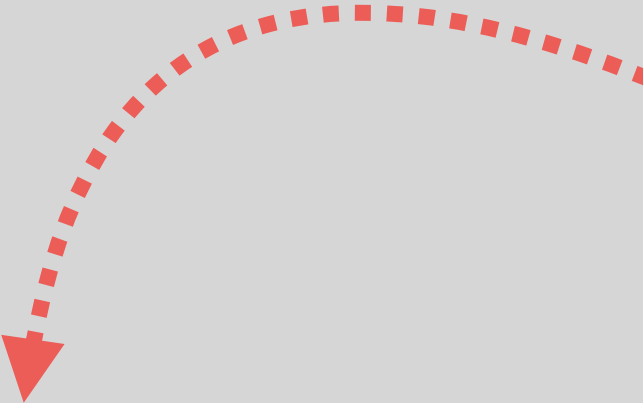
{{ var|makemepretty('now') }}

VAR

TWIG FUNCTION



FUNCTION

(mortendk)

`{{ username|uppercase }}`

MORTENDK

TRANSLATE

```
{{ 'Copenhagen'|t }}
```

```
{% trans %}  
  by {{ user }} date {{ date }}  
{% endtrans %}
```



CONTROL

```
{% if person="mortendk" %}  
  <h1>Loves Drupal8</h1>  
{% endif %}
```



AUTOESCAPE

```
{{ sushi|raw }}
```



SECURITY IS SOMETHING
DEVELOPERS LIKE



CREATE VAR

```
{% set foo = "bar" %}
```

```
{{ foo }}
```

bar



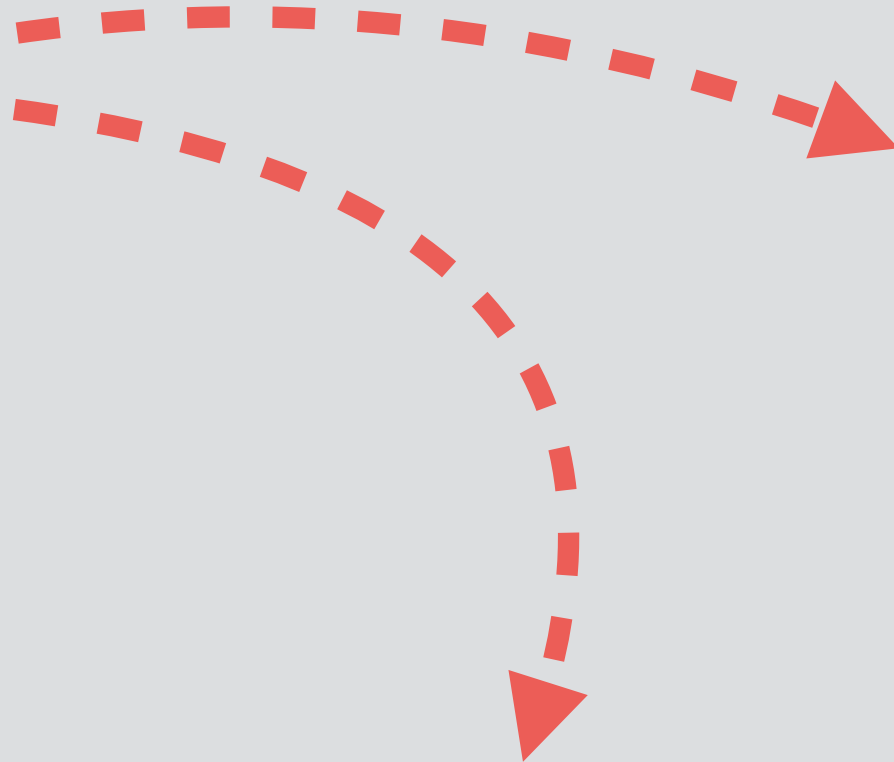
CLASSY

THE DRUPAL 8 **BASE** THEME





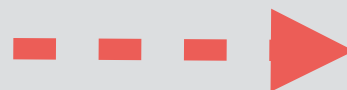
CORE



```
<HTML>  
.CSS  
CLASS="FOO"
```



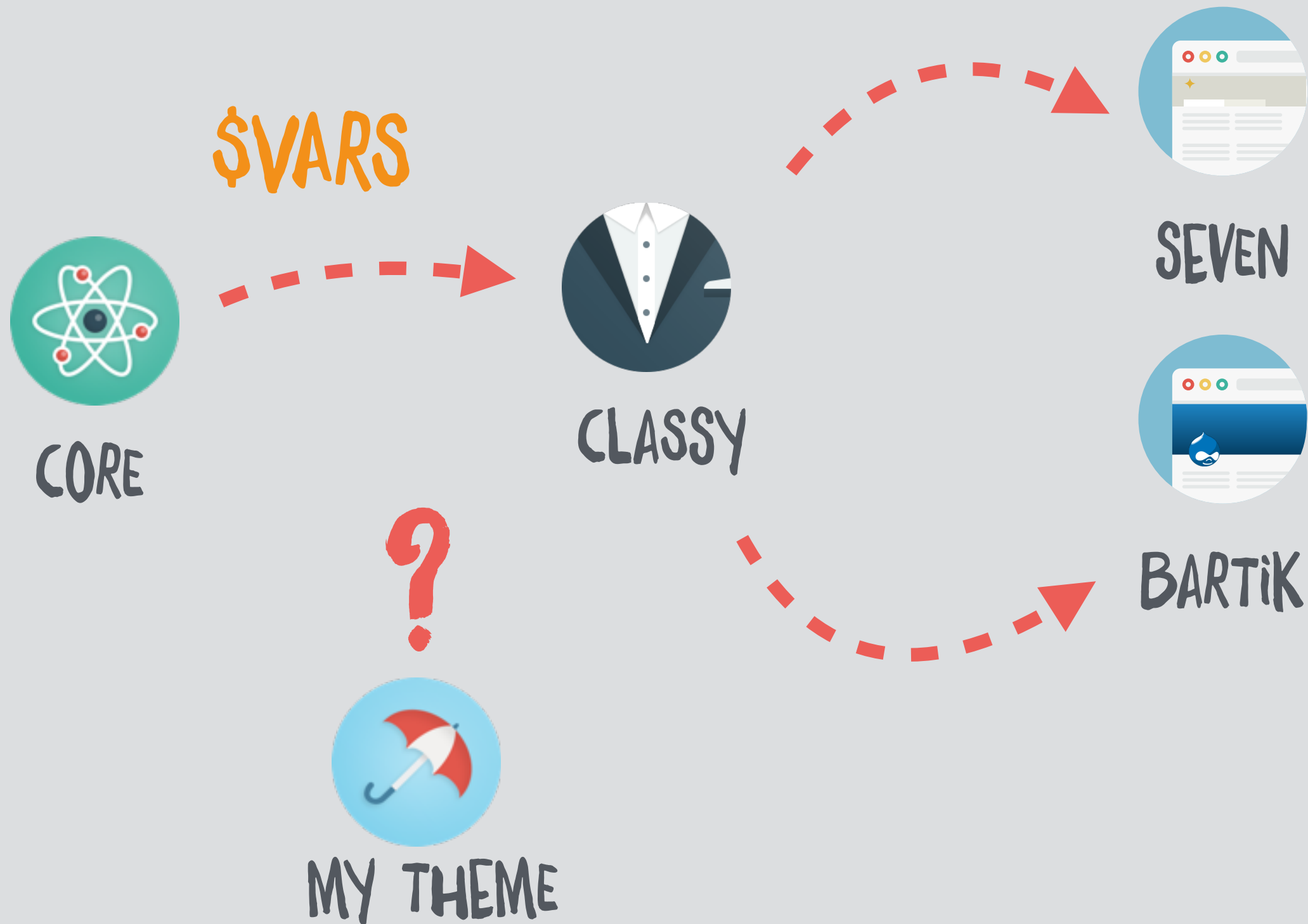
CLASSY



```
<HTML>  
.CSS  
CLASS="FOO"
```



BASETHEME



BASETHEME



CORE



"MY THEME"



CLASSY

NO BASETHEME DEFINED

```
<div>
{{ foo }}
</div>
```

BASETHEME



CORE



“MY THEME”



CLASSY

BASE THEME: CLASSY

```
<div class="node node—article">  
  {{ foo }}  
</div>
```


TEMPLA

7

MODULES/[MO

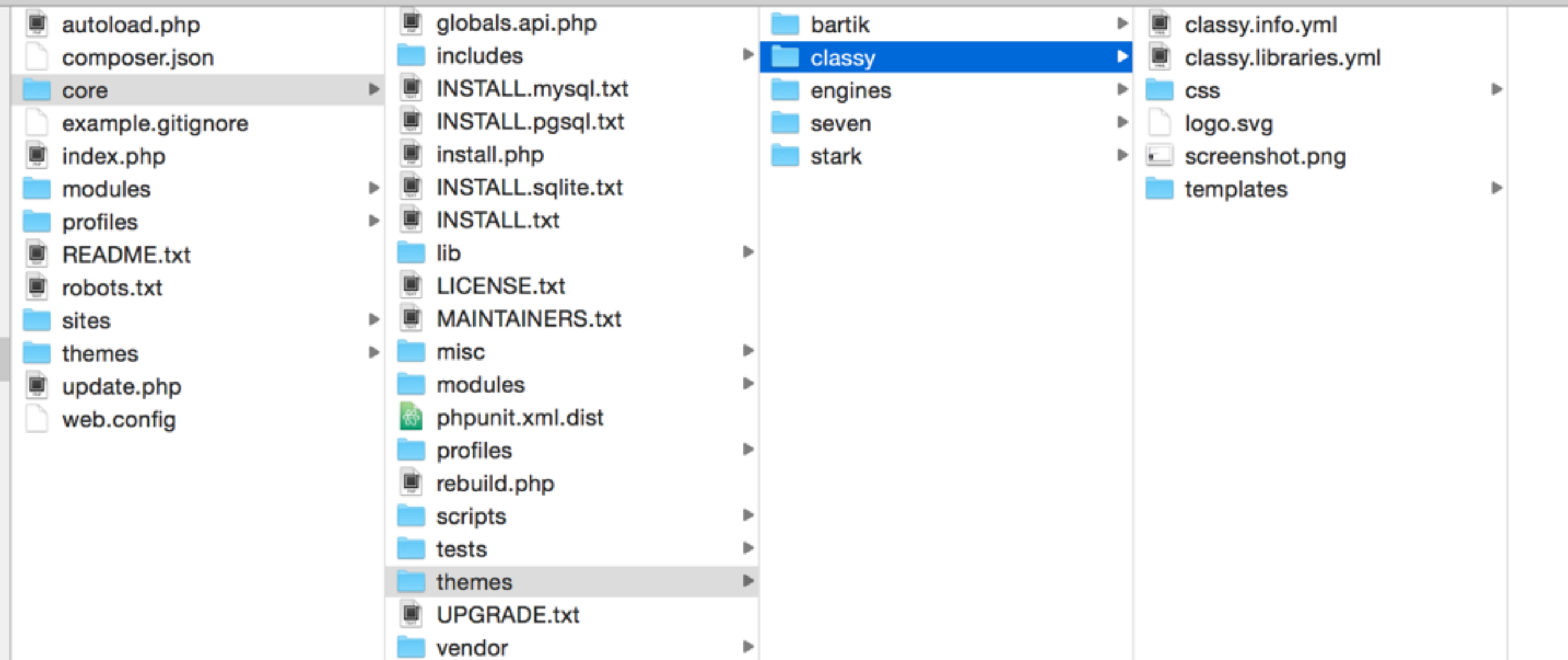


CORE/THEME/C

ANiMATiON EXPLAiNiNG
HOW WE MOVED SHIT
OUTTA CORE AND INTO CLASSY



DRUPAL8 TEMPLATES



CORE/THEMES/CLASSY/



DEFINE BASETHEME

[THEMENAME].info.yml

base theme: **classy**



YOU DECIDE!



CORE



CLASSY

CLEAN AS CORE

CLASSES
YOU CAN
TRUST



WaiTAMiNUTE!



ZEN



CLASSY



MOTHERSHIP



CORE

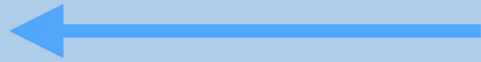


MAINTAINERS ?

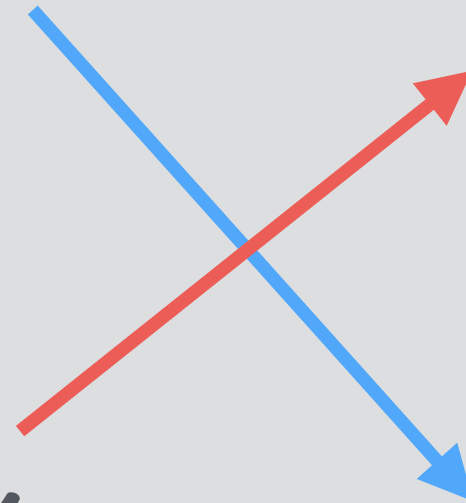


ZEN

JOHN ALBIN



CLASSY



MOTHERSHIP

MORTENDK



CORE



@MORTENDK



#DRUPALTWIG

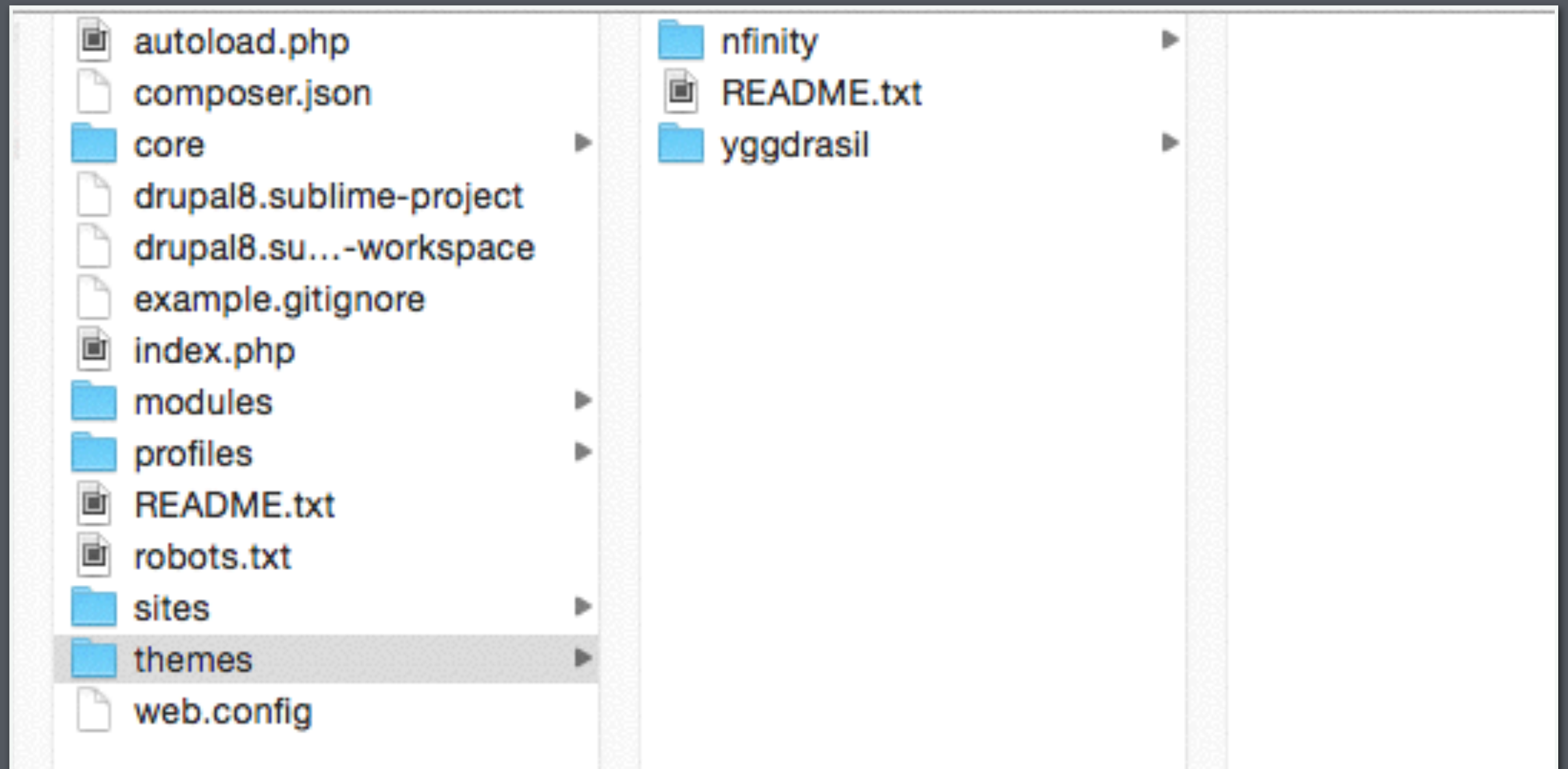
```
475 |
476 Theme maintainers
477 -----
478
479 Bartik theme
480 - Emma Maria Karayiannis 'emma.maria' https://www.drupal.org/u/emma.maria
481
482 Classy theme
483 - David Hernandez 'davidhernandez' https://www.drupal.org/u/davidhernandez
484 - Morten Birch Heide-Jørgensen 'mortendk' https://www.drupal.org/u/mortendk
485
486 Seven theme
487 - Lewis Nyman 'LewisNyman' https://www.drupal.org/u/lewisnyman
488
489 Stark theme
490 - John Albin Wilkins 'JohnAlbin' https://www.drupal.org/u/johnalbin
491
```



SETUP

SETTING UP A THEME

I LIVE WHERE NOW ?



[ROOT]/THEMES/[THEMENAME]

THEME CONFIG FILES

-  *.INFO.YML
-  *.LIBRARIES.YML
-  *.BREAKPOINTS.YML
-  *.THEME



*.iNFO.YML

THEME CONFIGURATION, CSS & JS

BASIC
INFO

LIBRARIES

REMOVE CSS

REGIONS

```
yggdrasil.info.yml ×
name: yggdrasil
type: theme
description: 'Power of Thor, Wisdom of Odin, Love of F
base theme: classy
package: awesomethemes
core: 8.x
screenshot: sad-doctor.gif

# -- Libraries -----
libraries:
  - yggdrasil/global

# -- CSS -----
stylesheets-remove:
  - normalize.css

ckeditor_stylesheets:
#  - ckeditor.css

# -- Regions -----
regions:
  header: Header
  content: Content
  footer: Footer
```

```
13
14 # -- CSS -----
15 stylesheets-remove:
16   - @classy/css/layout.css
17   - core/modules/system/css/system.theme.css
18   - core/assets/vendor/normalize-css/normalize.css
19   - core/modules/views/css/views.module.css
20
21 # -- Regions -----
22 regions:
23   header: Header
24   menu: Menu
25   content: Content
26   footer: Footer
```



*.LIBRARIES.YML

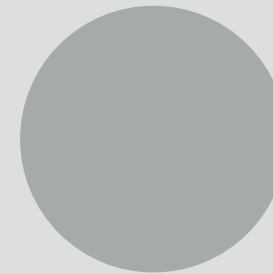
ADDiNG JS & CSS TO THE THEME



FOO.**INFO**.YAML



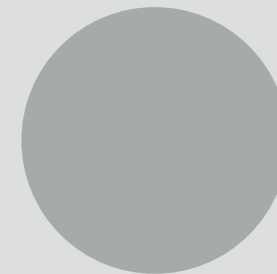
FOO.**LIBRARIES**.YAML



SLIDER

SLIDER.CSS

SLIDER.JS



AWESOME

FOO.CSS

BAR.JS



.INFO.YML

```
# -- Libraries -----  
libraries:  
  - yggdrasil/global
```

.LIBRARIES.YML



```
yggdrasil.libraries.yml ×  
# Global for all pages  
global:  
  version: 1.x  
  css:  
    theme:  
      css/style.css: {}  
      css/print.css: { media: print }  
  js:  
    js/script.js: {}  
  dependencies:  
    - core/jquery
```


*.LIBRARIES.YML

NAME

CSS FILES

JS FILES

DEPENDENCIES

yggdrasil.libraries.yml ×

Global for all pages

global:

version: 1.x

css:

theme:

css/style.css: {}

css/print.css: { media: print }

js:

js/script.js: {}

dependencies:

– core/jquery



CSS ORGANIZING



global:
version: VERSION

CSS:

component:

css/user/user.theme.css: {}

theme:

css/layout.css: {}

BASE
LAYOUT
COMPONENT
STATE
THEME



[*].BREAKPOINTS.YML

RESPONSIVE IMAGES



*.BREAKPOINTS.YML

```
yggdrasil.breakpoints.yml x untitled
1 yggdrasil.small:
2   label: small n fast
3   mediaQuery: ''
4   weight: 0
5   multipliers:
6     - 1x
7 yggdrasil.medium:
8   label: medium
9   mediaQuery: 'all and (min-width: 560px) and (max-width: 850px)'
10  weight: 1
11  multipliers:
12    - 1x
13 yggdrasil.large:
14   label: larger than life
15   mediaQuery: 'all and (min-width: 851px)'
16   weight: 2
17   multipliers:
18     - 1x
```

*.BREAKPOINTS.YML

yggdrasil.breakpoints.yml

untitled

```
1 yggdrasil.small:
2   label: small n fast
3   mediaQuery: ''
4   weight: 0
5   multipliers:
6     - 1x
7 yggdrasil.medium:
8   label: medium
9   mediaQuery: 'all and (min-width:
10  weight: 1
11  multipliers:
12    - 1x
13 yggdrasil.large:
14   label: larger than life
15   mediaQuery: 'all and (min-width:
16   weight: 2
17   multipliers:
18     - 1x
```

thors hammer

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

Breakpoint group *

yggdrasil ▼

Select a breakpoint group from the installed themes. W

Fallback image style *

Large (480×480) ▼

1x small n fast []

– None – ▼

Select an image style for this breakpoint.

1x medium [all and (min-width: 560px) and (max-

– None – ▼

Select an image style for this breakpoint.

1x larger than life [all and (min-width: 851px)]

– None – ▼

Select an image style for this breakpoint.

Save

[Delete](#)



[*].THEME

WAS

PHPTEMPLATE.PHP

.THEME

.THEME

```
yggdrasil.theme ×
<?php

/* Adding a library to the maintenance page. */
function yggdrasil_preprocess_maintenance_page(&$variables) {
  $variables['#attached']['library'][] = 'yggdrasil/maintenance_page';
}
```

.LIBRARIES.YML

```
# Maintenance page
maintenance_page:
  version: 1.x
  css:
    theme:
      css/maintenance-page.css: {}
```



TOOLS

HOW TO FIND STUFF & DEBUG



SETTINGS.PHP

COPY: SITES/**EXAMPLE.SETTINGS.LOCAL.PHP**

TO: SITES/DEFAULT/**SETTINGS.LOCAL.PHP**

UNCOMMENT IN **SETTINGS.PHP**

```
if (file_exists(__DIR__ . '/settings.local.php')) {  
    include __DIR__ . '/settings.local.php';  
}
```



DEVEL

DOWNLOAD DEVEL MODULE

INSTALL DEVEL + KINT

INSTALL DRUSH

DRUSH EN KINT

[DOCS.DRUSH.ORG/EN/MASTER/INSTALL/](https://docs.drush.org/en/master/install/)



DISABLE CSS CACHE

Performance

[Home](#) » [Administration](#) » [Configuration](#) » [Development](#)

▼ CLEAR CACHE

Clear all caches

▼ CACHING

Note: Drupal provides an internal page cache module that is recommended for small to medium-sized websites.

Page cache maximum age

<no caching> ▼

The maximum time a page can be cached by browsers and proxies. This is used as the value for max-age in Cache-Control headers.

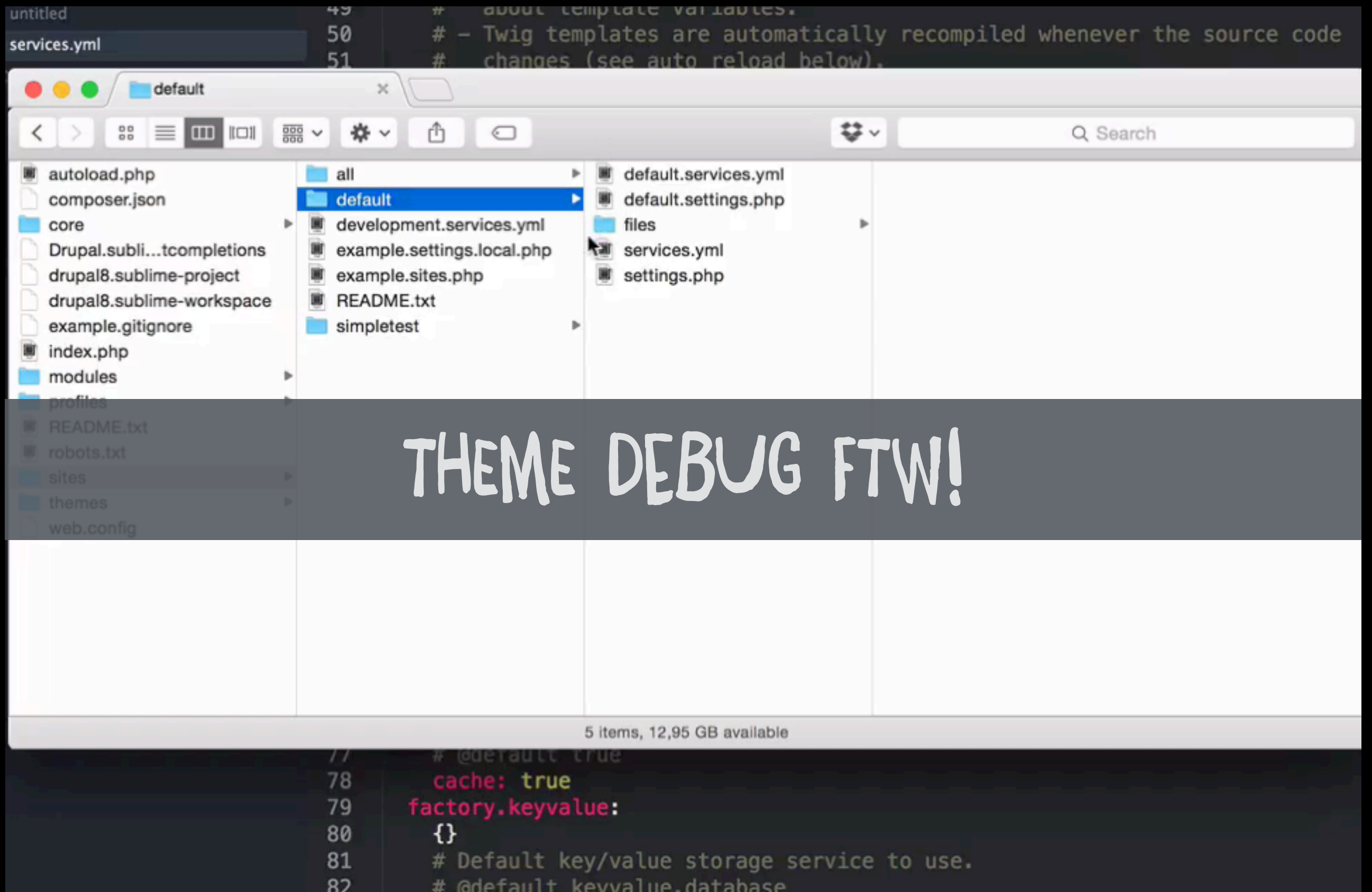
▼ BANDWIDTH OPTIMIZATION

External resources can be optimized automatically, which can reduce both the size and number of requests made to your website.

☐ Aggregate CSS files

☐ Aggregate JavaScript files

Save configuration



SERVICES.YML

@MORTENDK



#DRUPALTWIG

```
</div class="views-row">
<!-- THEME DEBUG -->
<!-- THEME HOOK: 'node' -->
<!-- FILE NAME SUGGESTIONS:
  * node--view--frontpage--page-1.html.twig
  * node--view--frontpage.html.twig
  * node--4--teaser.html.twig
  * node--4.html.twig
  * node--article--teaser.html.twig
  * node--article.html.twig
  * node--teaser.html.twig
  x node.html.twig
-->
<!-- BEGIN OUTPUT from 'core/themes/classy/templates/content/nod
▼ <article data-history-node-id="4" data-quickedit-entity-id="node
▶ <h2> </h2>
```

FILE NAME SUGGESTIONS



```
</div class="views-row">
<!-- THEME DEBUG -->
<!-- THEME HOOK: 'node' -->
<!-- FILE NAME SUGGESTIONS:
  * node--view--frontpage--page-1.html.twig
  * node--view--frontpage.html.twig
  * node--4--teaser.html.twig
  * node--4.html.twig
  * node--article--teaser.html.twig
  * node--article.html.twig
  * node--teaser.html.twig
  x node.html.twig
-->
<!-- BEGIN OUTPUT from 'core/themes/classy/templates/content/nod
▼ <article data-history-node-id="4" data-quickedit-entity-id="node
  ► <h2> </h2>
```

PATH TO ACTIVE TEMPLATE



Atom File Edit Selection Find View Packages Window Help 1 0:00 77%

node--field.html.twig - /Users/mortendk/Sites/drupal8 - Atom

drupal8 barcelona.css node--field.html.twig node.html.twig field--node--field.h menu.html.twig color.css barcelona.lib

classy

themes

barcelona

css

fonts

images

js

lib

templates

cleanup

.DS_Store

field--node--field.h

node--field.html.twig

page.html.twig

.DS_Store

barcelona.breakpoints.

barcelona.info.yml

barcelona.libraries.yml

dance.gif

.DS_Store

README.txt

```
11
12 <article{{ attributes.addClass(classes) }}>
13
14 {{ title_prefix }}
15 {% if not page %}
16   <h2{{ title_attributes }}>
17     <a href="{{ url }}" rel="bookmark">{{ label }}</a>
18   </h2>
19 {% endif %}
20 {{ title_suffix }}
21
22
23
24 {{ content|without('links') }}
25
26
27 {% if content.links %}
28   <div class="node__links">
29     {{ content.links }}
30   </div>
31 {% endif %}
```

File 0 Project 0 No Issues barcelona/templates/node--field.html.twig 22:3 LF UTF-8 HTML (Twig) 8.0.x

live

1:12 77

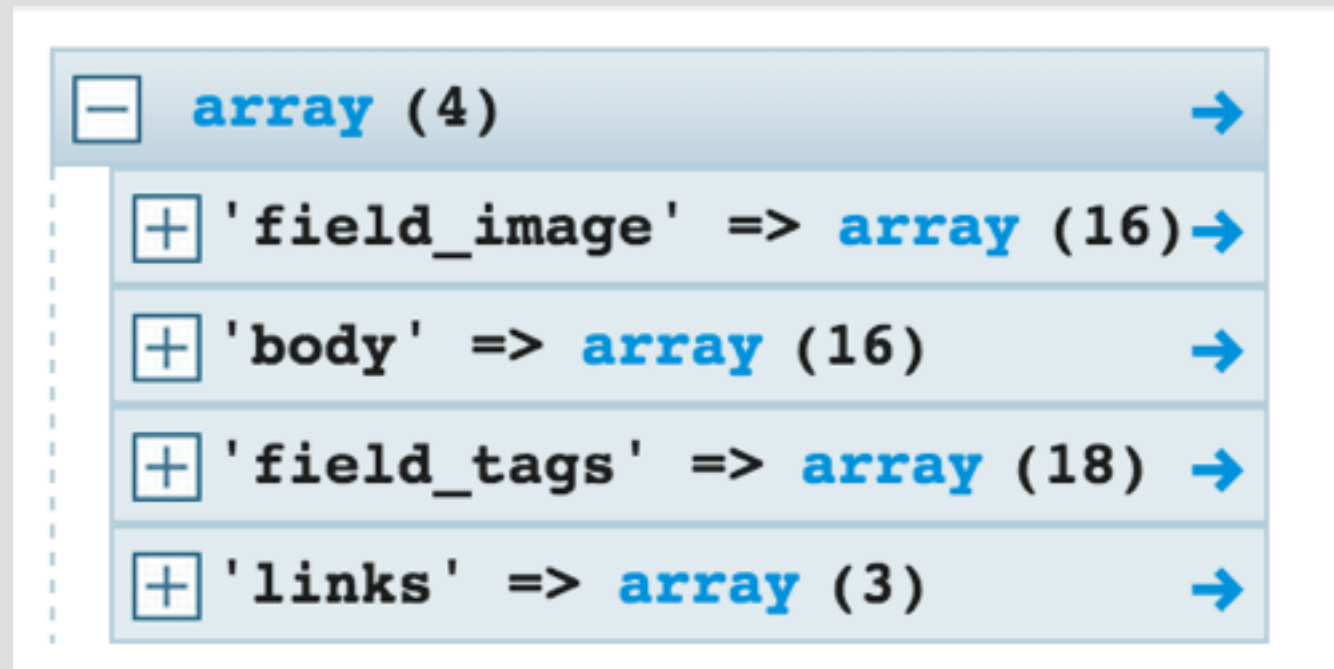


KINT

KRUMO FOR DRUPAL 8

{{ kint(foo) }}

screenshot af kint fra video



{{ content.field_image }}

TWIG DEBUG:

SITES/ALL/DEFAULT/SERVICES.YML

DRUSH CR

{{ KINT(FOO) }}



TEMPLATE STRUCTURE

EVERYTHING IS A TEMPLATE FILE

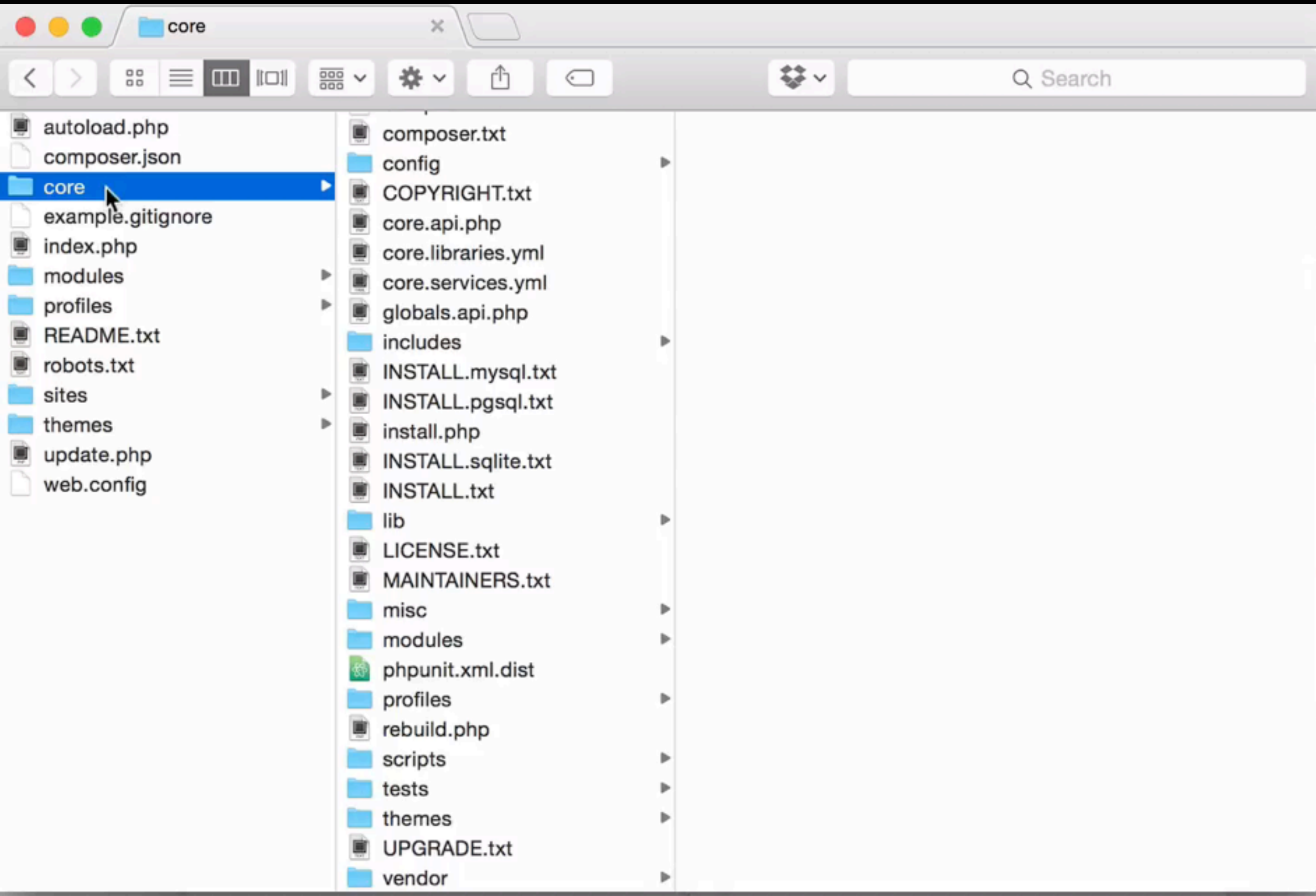


125 TEMPLATES

WE NUKED THE THEME FUNCTIONS*
TURNED IT ALL INTO A METRIC
FUCKTON

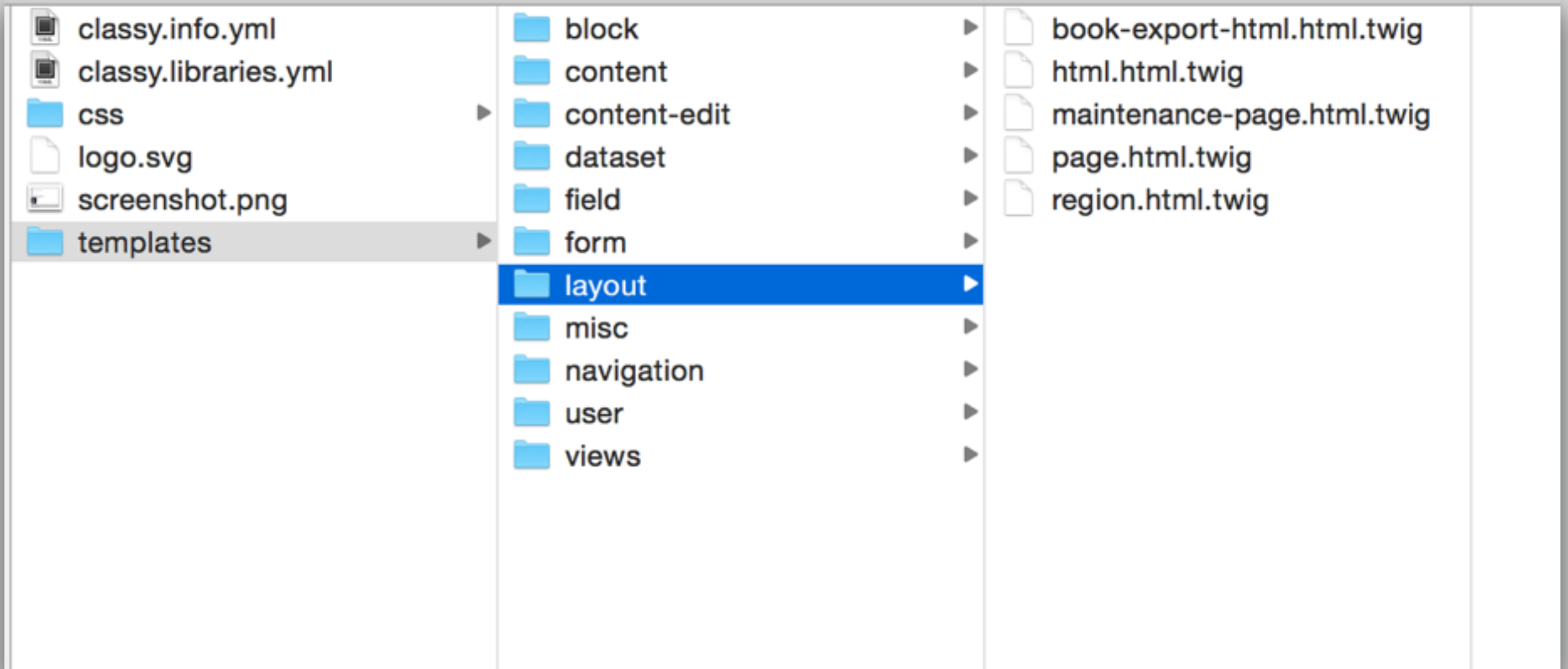
OF TEMPLATES





do we really need this here ?

GROUPS



TEMPLATE GROUPS



LAYOUT



CONTENT



FORM



BLOCK



CONTENT-EDIT



USER



VIEWS



FIELD



MISC



NAVIGATION



DATASET



HTML

CSS + JS

HEADER



HTML.HTML.TWIG

PAGE



PAGE.HTML.TWIG



REGION'S



REGION.HTML.TWIG



REGION.HTML.TWIG



PAGE.HTML.TWIG



REGION.HTML.TWIG

CONTENT



BLOCK.HTML.TWIG



NODE.HTML.TWIG



REGION.HTML.TWIG



VIEW.HTML.TWIG



NODE



NODE.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD--IMAGE.HTML.TWIG



ALL THE FIELDS



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG

WE'RE GONNA TALK ABOUT FIELDS LATER



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



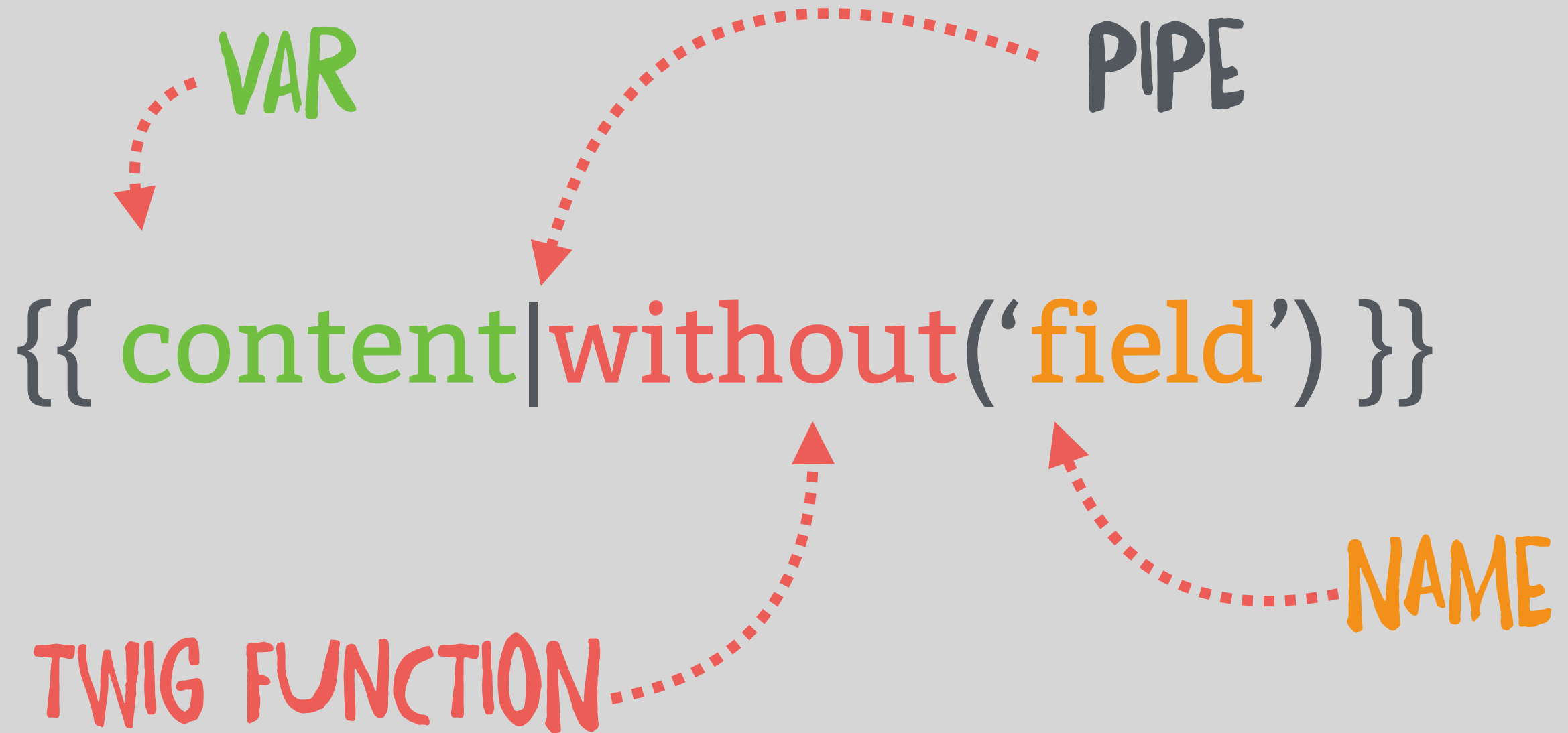


LAYOUT

THE MAGIC OF WITHOUT



WITHOUT FUNCTION



```
]
%}
<article{{ attributes.addClass(classes) }}>
  <div class="top">
    <h1>{{ label }}</h1>
    {{ content.field_tags }}
  </div>
```

```
<div class="left">
  {{ content|without('links', 'field_image', 'field_tags') }}
</div>
```

```
<div class="right">
  {{ content.field_image }}
</div>
</article>
```

NODE.HTML.TWIG



WITHOUT

CONTENT

IMAGE

TAGS



{{ content }}

{{ CONTENT }}

{{ TEXT }}

{{ TAGS }}

{{ IMAGE }}


```
{{ content|without('image') }}
```

```
{{ CONTENT | WITHOUT(*) }}
```

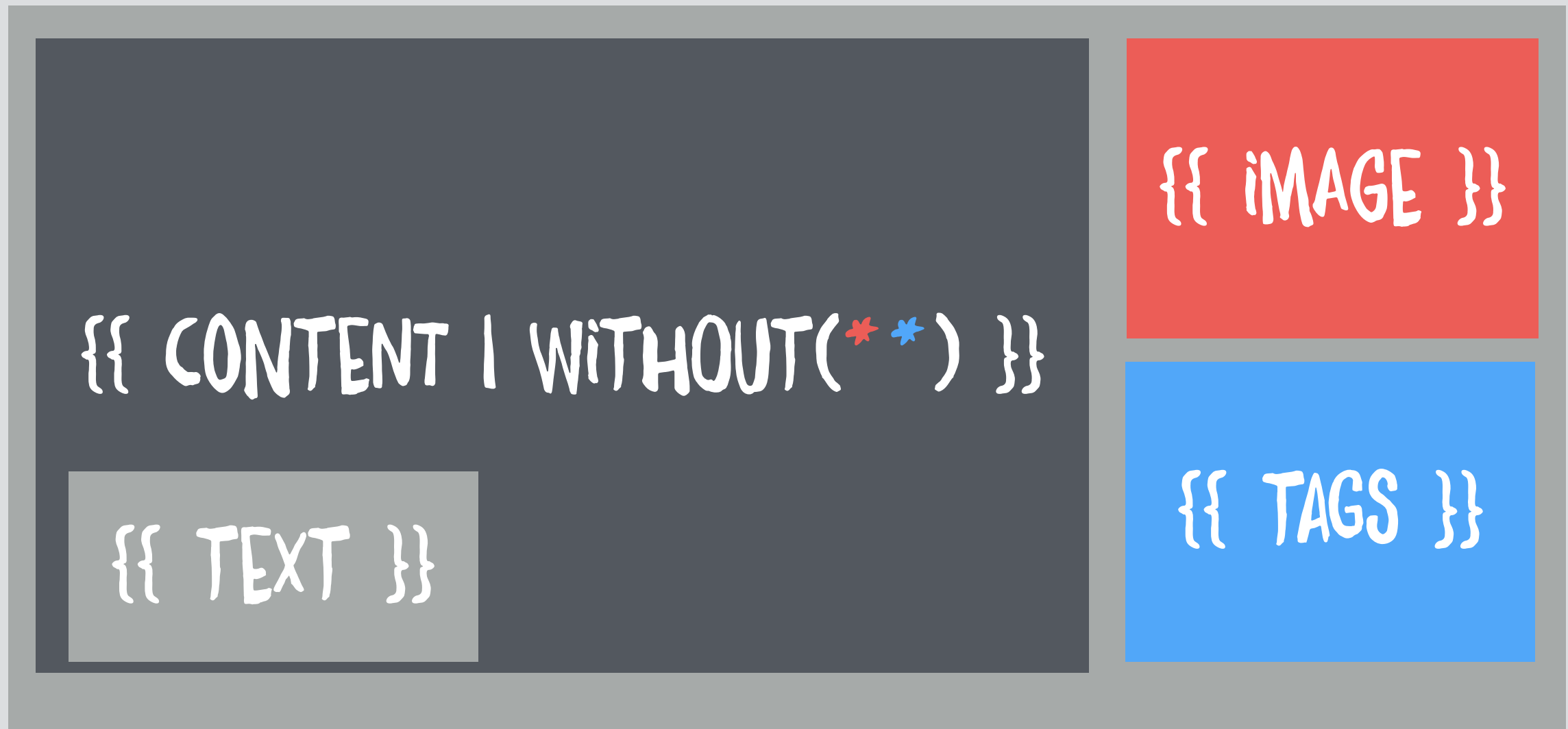
```
{{ TEXT }}
```

```
{{ TAGS }}
```

```
{{ IMAGE }}
```

```
{{ content.image }}
```

```
{{ content|without('image','tags') }}
```



```
{{ content.image }} {{ content.tags }}
```

```
{{ content|without('image','tags') }}
```



NEW FIELD

```
{{ content.tags }}  
{{ content.image }}
```

```

10 <article{{ attributes.addClass(classes) }}>
11   <div class="top">
12     <h1>{{ label }}</h1>
13     {{ content.field_tags }}
14   </div>
15
16   <div class="left">
17     {# split data up#}
18     {{ content|without('links', 'field_image', 'field_tags') }}
19   </div>
20
21   <div class="right">
22     {{ content.field_image }}
23   </div>
24 </section>
25 </article>
26

```

NODE.HTML.TWIG



```

0
10 <article{{ attributes.addClass(classes) }}>
11   <div class="top">
12     <h1>{{ label }}</h1>
13     {{ content.field_tags }}
14   </div>
15
16   <div class="left">
17     {# split data up#}
18     {{ content|without('links', 'field_image', 'field_tags') }}
19   </div>
20
21   <div class="right">
22     {{ content.field_image }}
23   </div>
24 </section>
25 </article>
26

```



```
0 <article{{ attributes.addClass(classes) }}>
1   <div class="top">
2     <h1>{{ label }}</h1>
3     {{ content.field_tags }}
4   </div>
5
6   <div class="left">
7     {# split data up#}
8     {{ content|without('links', 'field_image', 'field_tags') }}
9   </div>
10
11   <div class="right">
12     {{ content.field_image }}
13   </div>
14 </section>
15 </article>
```





FIELD

THE HEART OF DRUPAL



HOW MANY <DIV>S
DOES IT TAKE TO MAKE A
“SINGLE FIELD WITH ONE
VALUE”
NO LABEL?



View

Edit

Delete

[Home](#) » [a field](#)

Title *

a field

single

Yo!

Save and keep published



Preview

[Delete](#)



YO!

@MORTENDK



#DRUPALTWIG

```
<div  
  class="field  
    field-name-field-single  
    field-type-text  
    field-label-hidden">  
  <div class="field-items">  
    <div class="field-item even">  
      YO!  
    </div>  
  </div>  
</div>
```

7

```
<div  
class="field  
  field--name-field-single  
  field--type-string  
  field--label-hidden  
  field__items">
```



YO!

```
</div>
```

CLASSY



<div> YO! </div>



ONE DIV
ZERO CLASSES
100% DRUPAL

<div> YO! </div>



ONE DIV
ZERO CLASSES
100% DRUPAL

```
<div class="yolo">  YO!  </div>
```



DUDE GREAT

WHAT DO
I USE A

SINGLE

NAKED <DIV>



WHATEVER

YOU

WANT IT TO



FIELD MARKUP



FIELD

LABEL

VALUE



SINGLE

LABEL

single

Yo!

single + label

Yolo ?

Show row weights

FIELD MULTIPLE



one



two



Add another item

MULTIPLE

Show row weights

MULTIPLE + LABEL



one



two



Add another item

LABEL



FIELD.HTML.TWIG



SINGLE



MULTIPLE



SINGLE + LABEL



MULTIPLE + LABEL



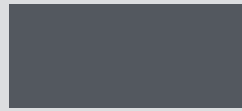
MANAGE DISPLAY

 single	- Hidden -
 single + label	Above
 Field multiple	- Hidden -
 multiple + label	✓ Above Inline - Hidden - - Visually Hidden -
Disabled	

LABEL DISPLAY



“INLINE”



“ABOVE”



“VISUALLY
HIDDEN”



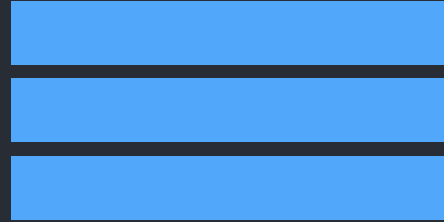

```

{% if label_hidden %}
    {% if multiple %}
        <div{{ attributes.addClass(classes, 'field__items') }}>
            {% for item in items %}
                <div{{ item.attributes.addClass('field__item') }}>{{ item.content }}</div>
            {% endfor %}
        </div>
    {% else %}
        {% for item in items %}
            <div{{ attributes.addClass(classes, 'field__item') }}>{{ item.content }}</div>
        {% endfor %}
    {% endif %}
{% else %}
    <div{{ attributes.addClass(classes) }}>
        <div{{ title_attributes.addClass(title_classes) }}>{{ label }}</div>
        {% if multiple %}
            <div class='field__items'>
        {% endif %}
        {% for item in items %}
            <div{{ item.attributes.addClass('field__item') }}>{{ item.content }}</div>
        {% endfor %}
        {% if multiple %}
            </div>
        {% endif %}
    </div>
{% endif %}

```

FIELD.HTML.TWIG

```
{% if label_hidden %}  
  {% if multiple %}
```



NO LABEL

```
{% else %}
```



```
{% endif %}
```

```
{% else %}
```



LABEL

```
  {% if multiple %}
```



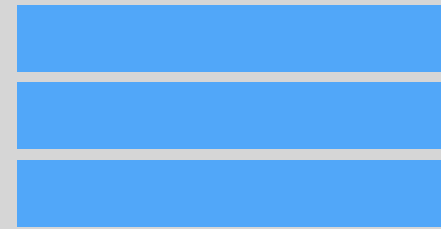
```
  {% endif %}
```

```
</div>
```

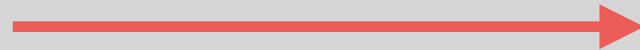
```
{% endif %}
```

{% if label_hidden %}

{% if multiple %}



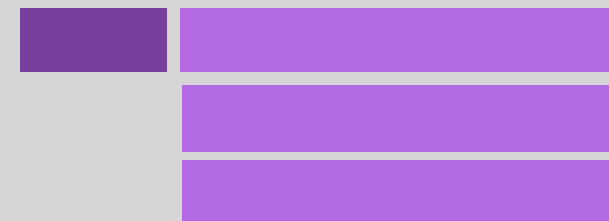
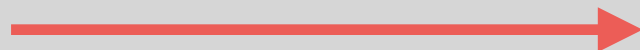
{% else %}



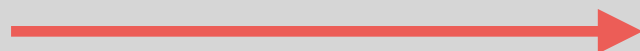
{% endif %}

{% else %}

{% if multiple %}



{% else %}



{% endif %}

{% endif %}

```
<div> yo </div>
```



```
<div>  
  <div> label</div>  
  <div>yo </div>  
</div>
```



```
<div>  
  <div>label</div>  
  <div>  
    <div>yo </div>  
    <div>lo </div>  
  </div>  
</div>
```



ATTRIBUTES

PURE CLASS

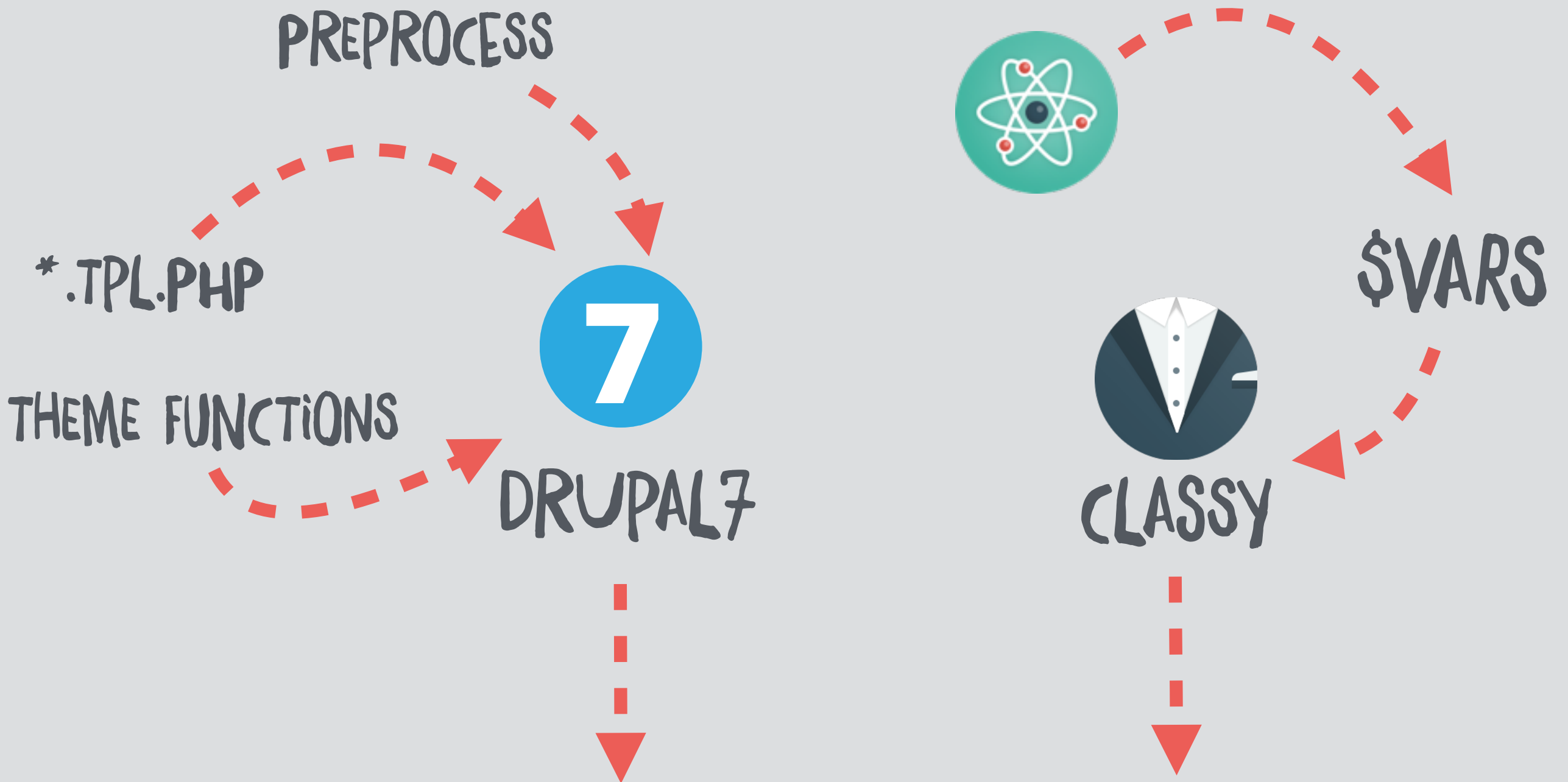


ATTRIBUTES

```
<div {{ attributes }}>
```

```
class="foo"  
data-drupal-foo  
aria-hidden="true"
```





<DIV CLASS="FOO FOO-BAR FOO-BAR-BAZ">


```

{# node articles tags #}

{# create the classes & add then to attributes #}
{%
    set classes = [
        'tags',
        'field-' ~ entity_type|clean_class ~ '--' ~ field_name|clean_class,
    ]
%}

<nav{{ attributes.addClass(classes) }}>
    <ul>
        {% for item in items %}
            <li>
                <a href="{{ item.content['#url'] }}" class="icon icon--{{ item.content[
                    '{{ item.content['#title'] }}'
                }}"
                </a>
            </li>
        {% endfor %}
    </ul>
</nav>

```


ADDCLASS

```
{%  
  set classes = [  
    'field-' ~ field_name|clean_class ~ '  
  ]  
%}
```

```
<div {{ attributes.addClass(classes) }}>...</div>
```

```
<div class="tags field-tags">...
```



REMOVE CLASS

```
<div class="red blue"> ... </div>
```

BAD MODULE OUTPUT

```
<i {{ attributes.removeClass(red) }}> ... </i>
```

```
<i class="blue">...</i>
```

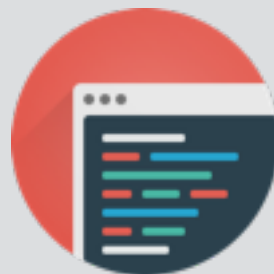


<DIV CLASS="CORE">

ESSENTIAL CLASSES EX:
"IS-VISIBLE"



CORE



MODULE



CLASSY

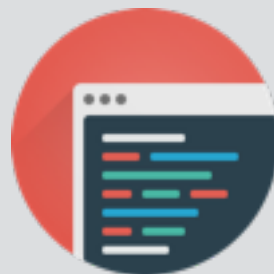


<DIV CLASS="CORE MODULE">

\$VAR['ATTRIBUTES']->ADDCLASS('MODULE')



CORE



MODULE



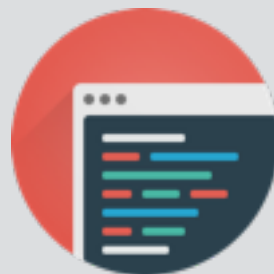
CLASSY

<DIV CLASS="CORE MODULE THEME">

{{ ATTRIBUTES.ADDCLASS("THEME") }}



CORE



MODULE



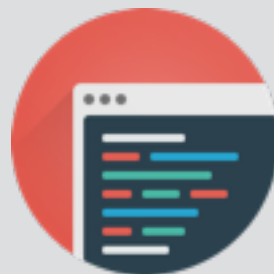
CLASSY

<DIV CLASS="CORE THEME">

{{ ATTRIBUTES.REMOVE("MODULE") }}



CORE



MODULE



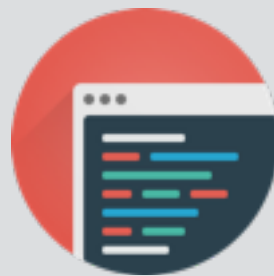
CLASSY

<DIV CLASS="THEME">

{{ ATTRIBUTES.REMOVE('MODULE','CORE') }}



CORE



MODULE



CLASSY

JS- PREFIX

<DIV CLASS="JS-FOO FOO">...



\$(.JS-FOO)



.FOO{...}



ATTRIBUTES

```
<div class="blablabla">
{
attributes
.removeClass('blablabla')
.addClass('hero-main')
.setAttribute('id', 'top')
}
<div id="top" class="hero-main">
```



FIELD & ATTRiBUTES

KISSING IN A TREEEEEEEEEEEEEEEEEEEE



```
<div> yo </div>
```

```
<div>  
  <div> label</div>  
  <div>yo </div>  
</div>
```

```
<div>  
  <div>label</div>  
  <div>  
    <div>yo </div>  
    <div>hej </div>  
  </div>  
</div>
```

```
<div class="field field__item"> yo </div>
```

```
<div class="field">  
  <div class="field__label"> label</div>  
  <div class="field__item">yo </div>  
</div>
```

```
<div class="field">  
  <div class="field__label">label</div>  
  <div class="field__items">  
    <div class="field__item">yo </div>  
    <div class="field__item">lo </div>  
  </div>  
</div>
```

.field

LABEL

VALUE



.field_label



.field_item

.field

.field_items

.field_label

.field_item

FIX THE MARKUP



Chrome File Edit View History Bookmarks People Window Help 1 0:00 Tue 12:43

a field | Drupal8 Morten

drupal8.dev/node/3

GR tag1 apple Røyle tool Resizer frontend dev twig html5 grafik resources CSS autoreload Moria Other Bookmarks

Manage Shortcuts admin Edit

Content Structure Appearance Extend Configuration People Reports Help

a field

one
two
three
four
five
666\m/

Elements Network Sources Timeline Profiles Resources Audits Console EditThisCookie

```
<!-- THEME DEBUG -->
<!-- THEME HOOK: 'html' -->
<!-- FILE NAME SUGGESTIONS:
  * html--node--3.html.twig
  * html--node--%.html.twig
  * html--node.html.twig
  x html.html.twig
-->
<!-- BEGIN OUTPUT from 'themes/barcelona/templates/cleanup/html.html.twig' -->
<!DOCTYPE html>
<html lang="en" dir="ltr" class="js no-touch details js">
  <#shadow-root>
    <head>...</head>
    <style type="text/css">...</style>
  <body class="user-logged-in path-node node--type-field toolbar-tray-open toolbar-fixed toolbar-horizontal" style="padding-top: 79px;">
    <a href="#main-content" class="visually-hidden focusable skip-link">
      Skip to main content
    </a>
  </body>
</html>
```

html.js.no-touch.details body.user-logged-in.path-node.node--type-field.toolbar-tray-open.toolbar-fixed.toolbar-horizontal

File 0 Project 0 No Issues barcelona/templates/field--node--field.html.twig 9:1

Styles Computed Event Listeners

Filter

```
element.style {
  padding-top: 79px;
}

media="all"
body {
  font-size: 1.5rem;
  font-family: 'open-sans', sans-serif;
  font-weight: 400;
}

media="all"
body {
}

media="all"
body {
}
```

@MORTENDK



#DRUPALTWIG

ADD & REMOVE CLASSES



Chrome File Edit View History Bookmarks People Window Help 1 0:00 23% Tue 13:04

a field | Drupal8 Morten

drupal8.dev/node/3

GR tag1 apple Røyle tool Resizer frontend dev twig html5 grafik resources CSS autoreload Moria Other Bookmarks

Manage Shortcuts admin Edit

Content Structure Appearance Extend Configuration People Reports Help

a field

- one
- two
- three
- four
- five
- 666\m/
- one more than 6 so 7
- when is drupal 8 coming out
- nine
- 10

Yo!

single + label

yo label

multiple + label

one

two

3

• [View](#)

Duration: 1 min 8 secs



CHANGE STUFF WHEN 8



one

two

three

four

five

666\n/

one more than 6 so 7

when is drupal 8 coming out

nine

10

Yo!

single + label

```
{% elseif loop.last %}
```



CSS FILES IN TEMPLATE

```
{{ attach_library('classy/book-navigation') }}
```



TWIGBLOCK

MORE COOLNESS FROM TWIG





D8

PAGE.HTML.TWIG

DATA (PAGE.HTML.TWIG)

DATA (PAGE.HTML.TWIG)





D8

PAGE.HTML.TWIG

DATA (PAGE.HTML.TWIG)

DATA (PAGE.HTML.TWIG)

```
{% block foo %}  
{% endblock %}
```





D8

PAGE.HTML.TWIG

DATA (PAGE.HTML.TWIG)

(PAGE--FRONT.HTML.TWIG)

DATA (PAGE.HTML.TWIG)

```
{% extends "page.html.twig" %}
```



Main navigation

[Home](#)
[node](#)

[farewell](#)

Submitted by admin on Sun, 09/28/2014 - 18:55

- [Read more](#)
- [Log in](#) or [register](#) to post comments

[Hello agin](#)

Submitted by admin on Sun, 09/28/2014 - 18:54

- [Read more](#)
- [Log in](#) or [register](#) to post comments

[Hello wörlð](#)

Submitted by admin on Sun, 09/28/2014 - 01:39

Thers is 3 tags: [green](#) [blue](#) [yellow](#)



Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

- [Read more](#)
- [Log in](#) or [register](#) to post comments

Powered by [Drupal](#)

```
<main role="main">
  <a id="main-content" tabindex="-1"></a>{# link is in html
  #}

  {# twig block #}
  {% block hero %}
  {% endblock %}

  {{ page.content }}
```

PAGE.HTML.TWIG

```
{# page--front #}
{% extends "page.html.twig" %}

{% block hero %}
  <h1>Drupal 8 hero!</h1>
{% endblock %}
```

PAGE-FRONT.HTML.TWIG

```
<main role="main">
  <a id="main-content" tabindex="-1"></a>{# link is in html
  #}
```

```
{# twig block #}
{% block hero %}
{% endblock %}
```

```
{{ page.content }}
```

PAGE.HTML.TWIG

PAGE-FRONT.HTML.TWIG

```
{# page--front #}
{% extends "page.html.twig" %}
```

```
{% block hero %}
  <h1>Drupal 8 hero!</h1>
{% endblock %}
```

HAPPY ?

ARE YOU NOT ENTERTAINED ?



SCREENSHOT 2.0

[Back to site](#)

[Manage](#)

[Shortcuts](#)

[admin](#)

Set and configure the default theme for your website. Alternative [themes](#) are available.

Installed themes



Classy
A base theme with sensible default CSS classes added.

[Link 1](#)
[Link 2](#)
[Link 3](#)
[Link 4](#)
[Link 5](#)

[Home](#)

Donec felis eros, blandit non

Submitted by admin on Thu, 04/16/2015 - 04:20



Morbi id lacus. Etiam malesuada diam ut libero. Sed blandit, justo nec euismod lacus. Donec dolor. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Vivamus vestibulum felis nec libero. Duis lobortis. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nunc venenatis pretium magna. Donec dictum ultricies massa. Donec vestibulum porttitor purus. Mauris nibh ligula, porta non, porttitor sed, fermentum id, dolor. Donec eu lectus et elit porttitor rutrum. Aenean justo. Phasellus augue tortor, mattis nonummy, aliquam euismod, cursus eget, ipsum. Sed ultricies bibendum ante. Maecenas rhoncus tincidunt eros.

yggdrasil (default theme)

Power of Thor, Wisdom of Odin, Love of Freya

[Settings](#)



Bartik
A flexible, recolorable theme with many regions and a responsive, mobile-first layout.

[Link 1](#) [Link 2](#) [Link 3](#) [Link 4](#) [Link 5](#)

[Home](#)

Search

User login

Username *

Password *

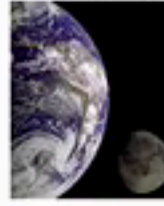
[Log in](#)

[Create new account](#)

[Reset your password](#)

Donec felis eros, blandit non

Submitted by admin on Thu, 04/16/2015 - 04:20



Morbi id lacus. Etiam malesuada diam ut libero. Sed blandit, justo nec euismod lacus. Donec dolor. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Vivamus vestibulum felis nec libero. Duis lobortis. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nunc venenatis pretium magna. Donec dictum ultricies massa. Donec vestibulum porttitor purus. Mauris nibh ligula, porta non, porttitor sed, fermentum id, dolor. Donec eu lectus et elit porttitor rutrum. Aenean justo. Phasellus augue tortor, mattis nonummy, aliquam euismod, cursus eget, ipsum. Sed ultricies bibendum ante. Maecenas rhoncus tincidunt eros.

Tags
[Earth](#) [Moon](#) [Latin](#)

[Log in or register to post comments](#)

Bartik 8.0.0-dev

A flexible, recolorable theme with many regions and a responsive, mobile-f

[Settings](#)

[Uninstall](#)

[Set as default](#)

```

{% import _self as menus %}

{#
    We call a macro which calls itself to render the full tree.
    @see http://twig.sensiolabs.org/doc/tags/macro.html
#}

{{ menus.menu_links(items, attributes, 0) }}

{% macro menu_links(items, attributes, menu_level) %}
    {% import _self as menus %}
    {% if items %}
        {% if menu_level == 0 %}
            <ul{{ attributes.addClass('menu') }}>
        {% else %}
            <ul class="menu">
        {% endif %}
        {% for item in items %}
            <li{{ item.attributes }}>
                {{ link(item.title, item.url) }}
                {% if item.below %}
                    {{ menus.menu_links(item.below, attributes, menu_level + 1) }}
                {% endif %}
            </li>
        {% endfor %}
    </ul>
    {% endif %}
{% endmacro %}

```

MENU.HTML.TWIG

```

{% if items %}
<nav class="pager" role="navigation" aria-labelledby="pagination-heading">
  <h4 id="pagination-heading" class="visually-hidden">{{ 'Pagination'|t }}</h4>
  <ul class="pager__items">
    {# Print first item if we are not on the first page. #}
    {% if items.first %}
      <li class="pager__item pager__item--first">
        <a href="{{ items.first.href }}" title="{{ 'Go to first page'|t }}"{{ items.first.attributes }}>
          <span class="visually-hidden">{{ 'First page'|t }}</span>
          <span aria-hidden="true">{{ items.first.text|default('« first'|t) }}</span>
        </a>
      </li>
    {% endif %}
    {# Print previous item if we are not on the first page. #}
    {% if items.previous %}
      <li class="pager__item pager__item--previous">
        <a href="{{ items.previous.href }}" title="{{ 'Go to previous page'|t }}" rel="prev"{{ items.previous.attributes }}>
          <span class="visually-hidden">{{ 'Previous page'|t }}</span>
          <span aria-hidden="true">{{ items.previous.text|default('< previous'|t) }}</span>
        </a>
      </li>
    {% endif %}
    {# Add an ellipsis if there are further previous pages. #}
    {% if ellipses.previous %}
      <li class="pager__item pager__item--ellipsis" role="presentation">&hellip;</li>
    {% endif %}

```

PAGER.HTML.TWIG

```

{% else %}
  {% set title = 'Go to page @key'|t({'@key': key}) %}
  {% endif %}
  <a href="{{ item.href }}" title="{{ title }}"{{ item.attributes }}>
    <span class="visually-hidden">
      {{ current == key ? 'Current page'|t : 'Page'|t }}
    </span>

```


8 THINGS CHANGED

TL;DL

TOO LONG - DIDN'T LISTEN!



1. iE SUPPORT?

NO MORE SUPPORT FOR
IE6, IE7 & IE8



2. MARKUP CLEANUP

HTML5

CSS IS SMACSS & BEM BASED

“MODERN” PRACTICE #ID REMOVED

SEVEN IS RESPONSIVE

JS SEPERATION

SEPARATED
JAVASCRIPT'S FUNCTIONALITY
CSS STYLING IS SEPARATED

```
.JS-FOOBAR{ ...}  
.FOOBAR{ COLOR: BLUE}
```



DIViTiS

90%

OF THE MARKUP IS GONE



JQUERY DEPENDENCY

DONT WANT 32K OF LOVE ?
... THEN DON'T



CLASSY!

CLASSY
SEPARATED THE MARKUP
FROM CORE



SALUTE!

FOR THOSE THAT ROCKED THE TWIG
WE SALUTE YOU!



i LOOOOVE UUU

JEN LAMPTON

LAURII

JOEL

COTTSER

#FREERUBEN

FABIAN

DAVID HERNANDEZ

LEWIS

JOHN ALBIN

EMMA

WIM LEERS



DRUPAL 7



@MORTENDK

#DRUPALTWIG

LINKS

[DRUPAL.ORG/THEME-GUIDE/8](https://drupal.org/theme-guide/8)

[DRUPAL.ORG/CODING-STANDARDS/CSS](https://drupal.org/coding-standards/css)

[SMACSS.COM](https://smacss.com)

[TWIG.SENSIOLABS.ORG/DOCUMENTATION](https://twig.sensiolabs.org/documentation)



DOWNLOAD D8

[DRUPAL.ORG/DRUPAL8](https://drupal.org/drupal8)



BUILD STUFF NOW!

#DRUPALTWIG

WEEKLY MEETING'S

THURSDAY 17:00 CET



QUESTIONS



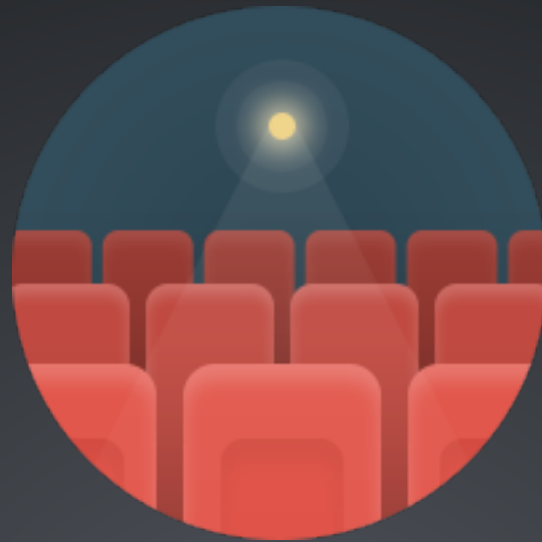
USE TWITTER

#DRUPALTWIG

QUESTIONS, COMMENTS & FEEDBACK

@MORTENDK





SESSIONS

DRUPALCON

@MORTENDK

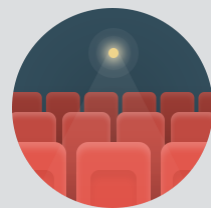
#DRUPALTWIG



FRONTEND UNITED BELUGAM



FRONTEND UNITED



BOF ROOM XXX

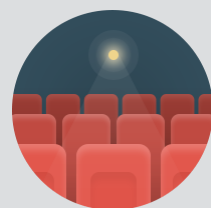


ALL WEEK !

DRUPAL FRONTEND SPRINT



SPRINT LEADERS:
(FRONTEND UNITED)



CODER LOUNGE

CREDITS

FONTS:

DAFT BRUSH, BRUSH UP, BITTER

ICONS:

SMALL ICONS 2

