CONTENT
VS
CONFIGURATION

HTML5 in a CMS

@jenlampton

Jennifer Lea Lampton

http://www.jenlampton.com

CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND

CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND

OLDSKOOL

- Building websites since 1997

CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND

OLDSKOOL

- Building websites since 1997
- Before the days of CSS

CONTENT vs CONFIGURATION

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BACKGROUND

OLDSKOOL

- Building websites since 1997
- Before the days of CSS
- Used tables for layouts ..ssh!

CONTENT vs CONFIGURATION

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BACKGROUND

OLDSKOOL

- Building websites since 1997
- Before the days of CSS
- Used tables for layouts
- Dreamweaver first "IDE"

CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND

OLDSKOOL

- Building websites since 1997
- Before the days of CSS
- Used tables for layouts ..ssh!
- Dreamweaver first "IDE"
- Might have used Geocities

CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND

CODER

- studied CS in college

CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND
CODER

- studied CS in college
- got a "real job" in web

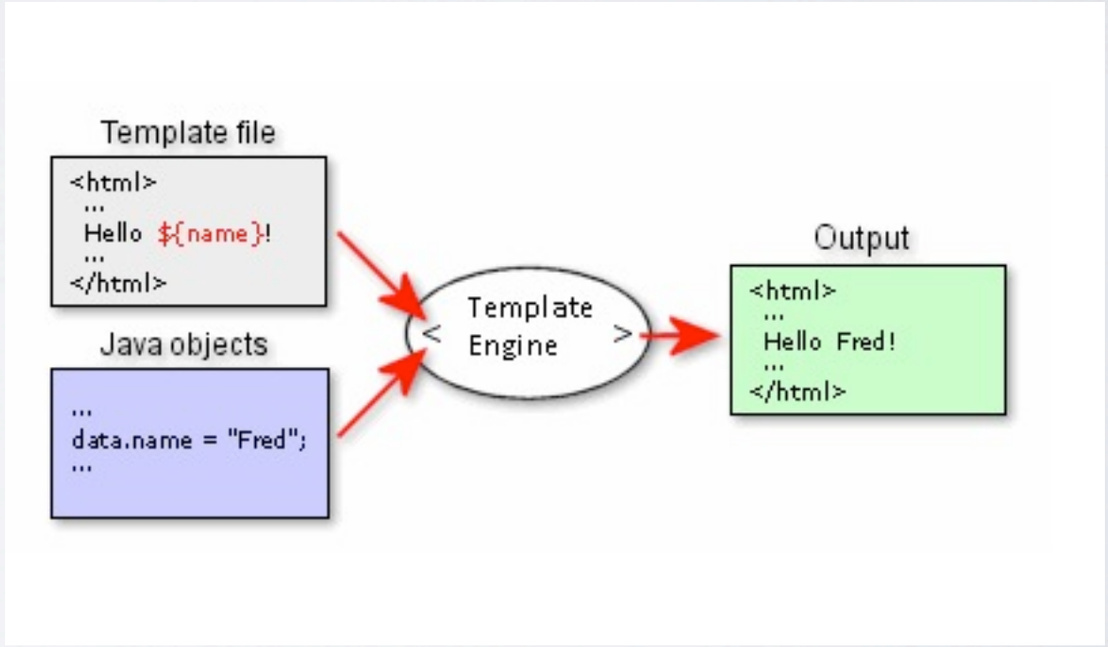
CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND

CODER

- studied CS in college
- got a "real job" in web
- wrote my own template engine (kindof)



CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND

CODER

- Studied CS in college
- got a real job in web
- wrote my own template engine
- wrote my own CMS
  that's really hard! :(

CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND
IN OPEN SOURCE

- Used lots of stuff

CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND
IN OPEN SOURCE

- Used lots of stuff
- Evaluated even more stuff

CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND
IN OPEN SOURCE

- Used lots of stuff
- Evaluated even more stuff
- Discovered Drupal

CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND
DRUPAL DEVELOPER

- Using Drupal since 2006

CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND
DRUPAL DEVELOPER

- Using Drupal since 2006
- BADCamp organizer since 2007

BAY AREA DRUPAL CAMP

Nov 1st - 4th, 2012

http://2012.badcamp.net

FREE!

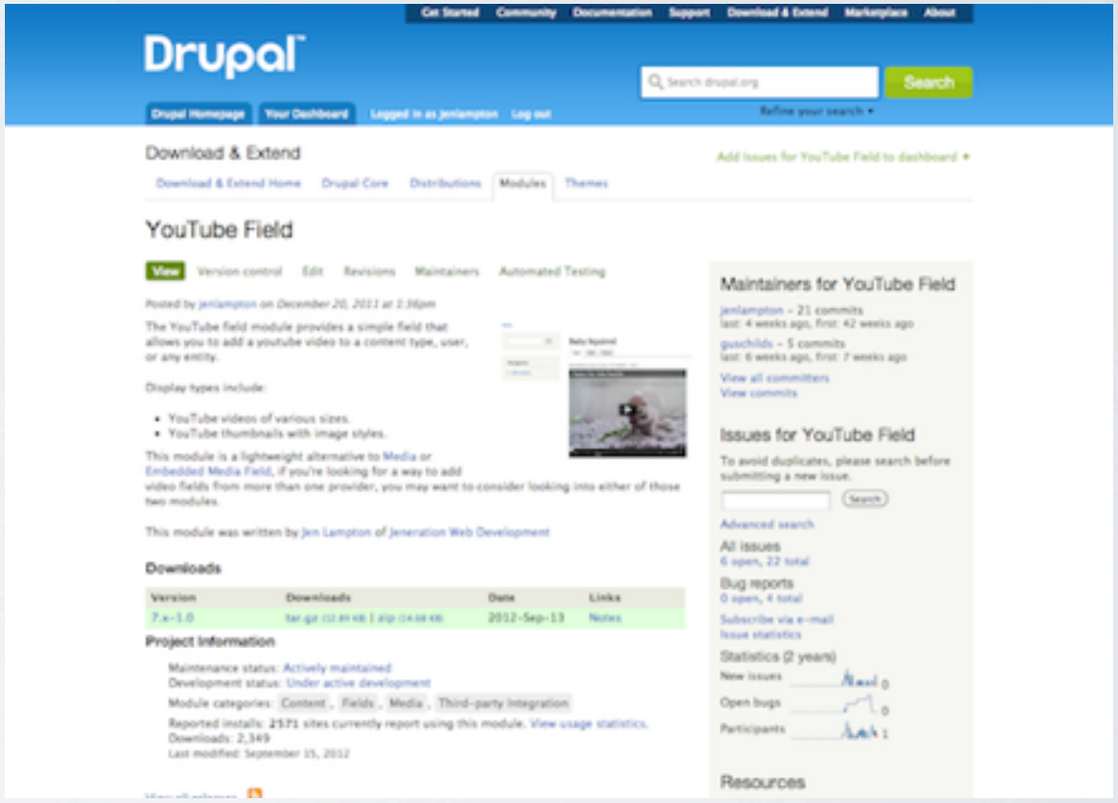
CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND

DRUPAL DEVELOPER

- Using Drupal since 2006
- BADCamp organizer since 2007
- Module maintainer since 2008



CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND
DRUPAL DEVELOPER

- Using Drupal since 2006
- BADCamp organizer since 2007
- Module maintainer since 2008
- DrupalCon SF organizer, 2010

DRUPALCON SF
San Francisco / April 19-21, 2010

CONTENT vs CONFIGURATION

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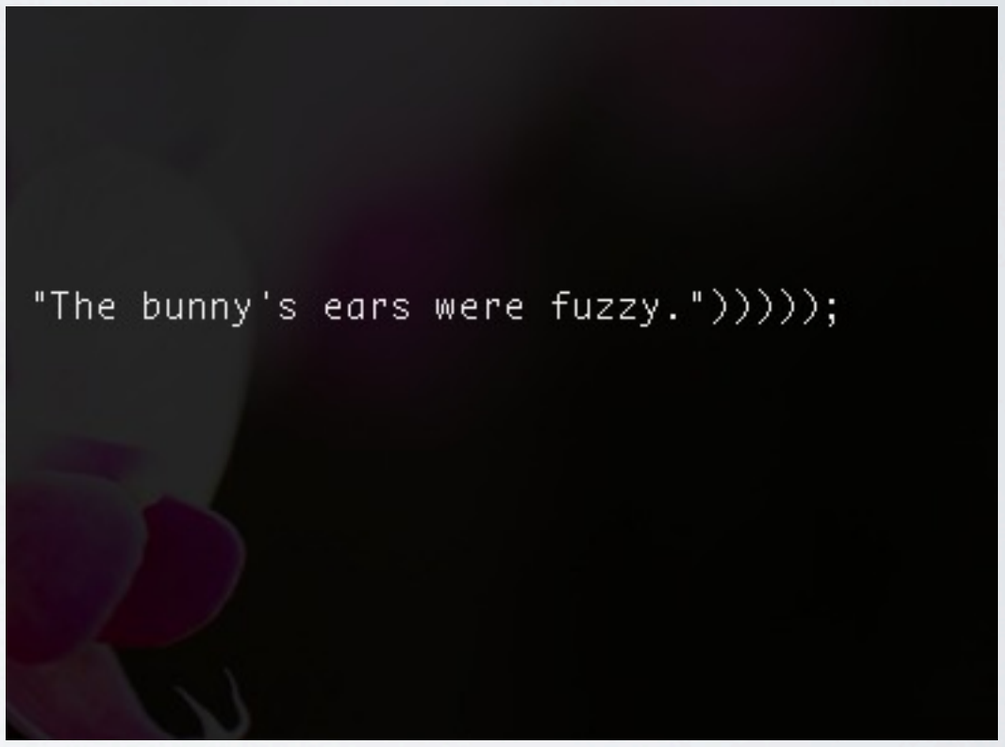
- Core contributor since 2011

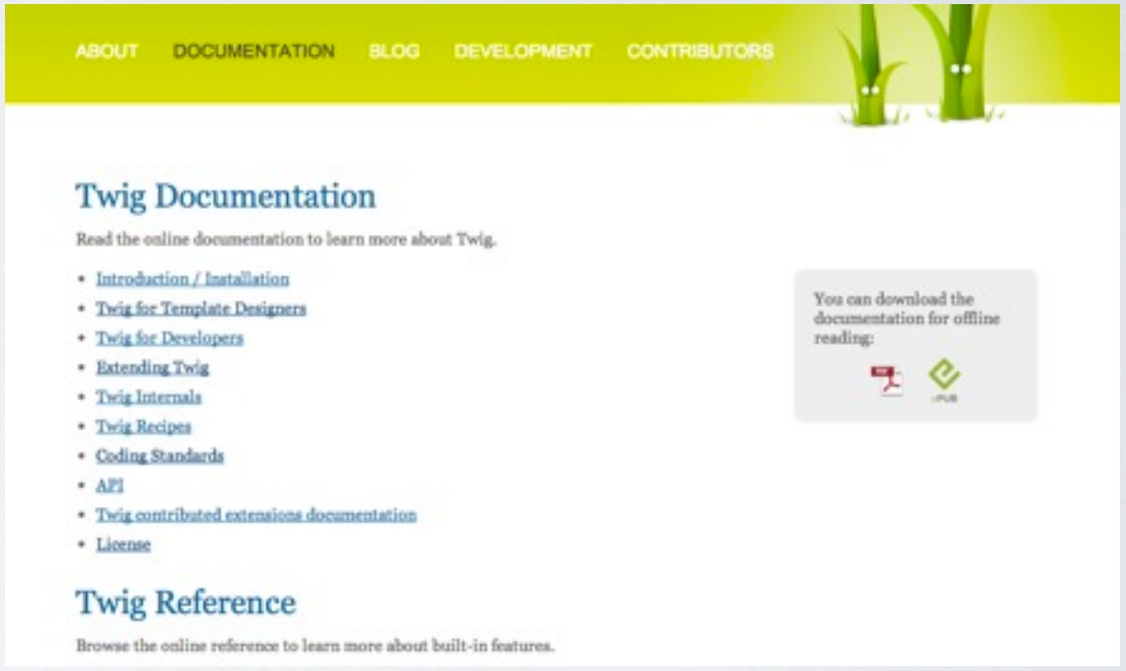


CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND
DRUPAL DEVELOPER

- Using Drupal since 2006
- BADCamp organizer since 2007
- Module maintainer since 2008
- DrupalCon SF organizer, 2010
- Drupal Trainer since 2010
- Core contributor since 2011
- Core "initiative" leader since 2012



CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND

FRONT, WHAT?

- No HTML5 experience

CONTENT vs CONFIGURATION

by Jen Lampton

BACKGROUND

FRONT, WHAT?

- No HTML5 experience
- Here for your opinions

DRUPAL

Who's heard of Drupal?

DRUPAL

Who's heard of Drupal?

Who's in the room?

DRUPAL

(drew-pull)

DRUPAL

(drew-pull)

Free.

DRUPAL

(drew-pull)

Free.
Open Source.

DRUPAL

(drew-pull)

Free.
Open Source.
Community supported.

DRUPAL

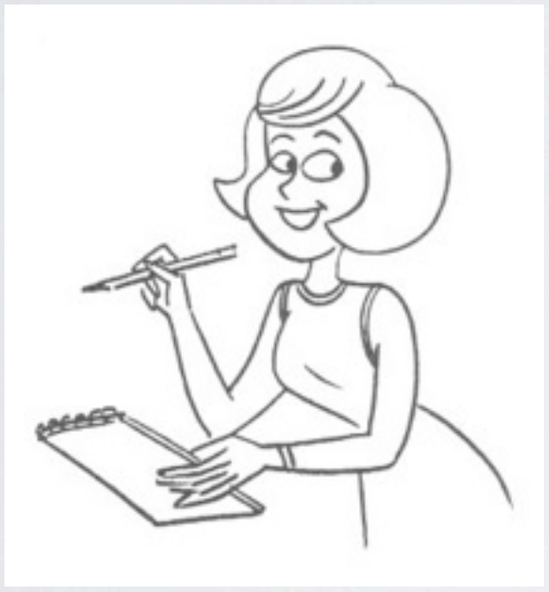
(drew-pull)

Free.
Open Source.
Community supported.
“Content Management System”

DRUPAL

"Content Management System"

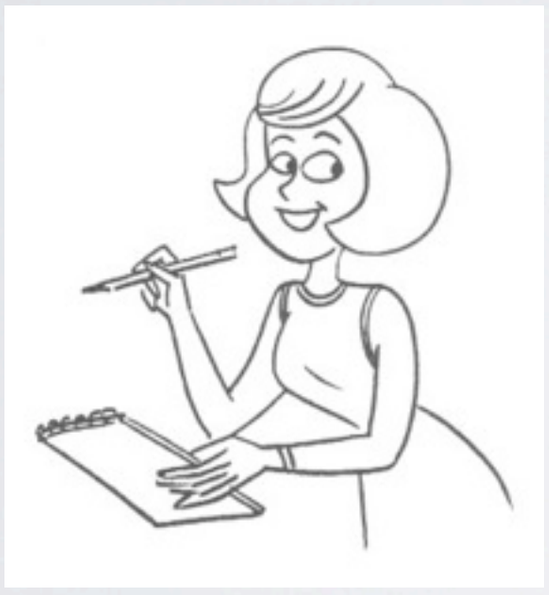
Separation of 'Editorial' experience & 'Administrative' experience



DRUPAL

"Content Management System"

Separation of 'Editorial' experience & 'Administrative' experience
(they are not developers)



DRUPAL

what about developers?

DRUPAL

Developers really <3 Drupal

DRUPAL

Developers really <3 Drupal

"Content Management Framework" (CMF?!?)

SITES USING DRUPAL

SITES USING DRUPAL

The Music Industry

Britney Spears

The Grateful Dead

http://www.drupalshowcase.com/site-industries/Entertainment

SITES USING DRUPAL

News Media

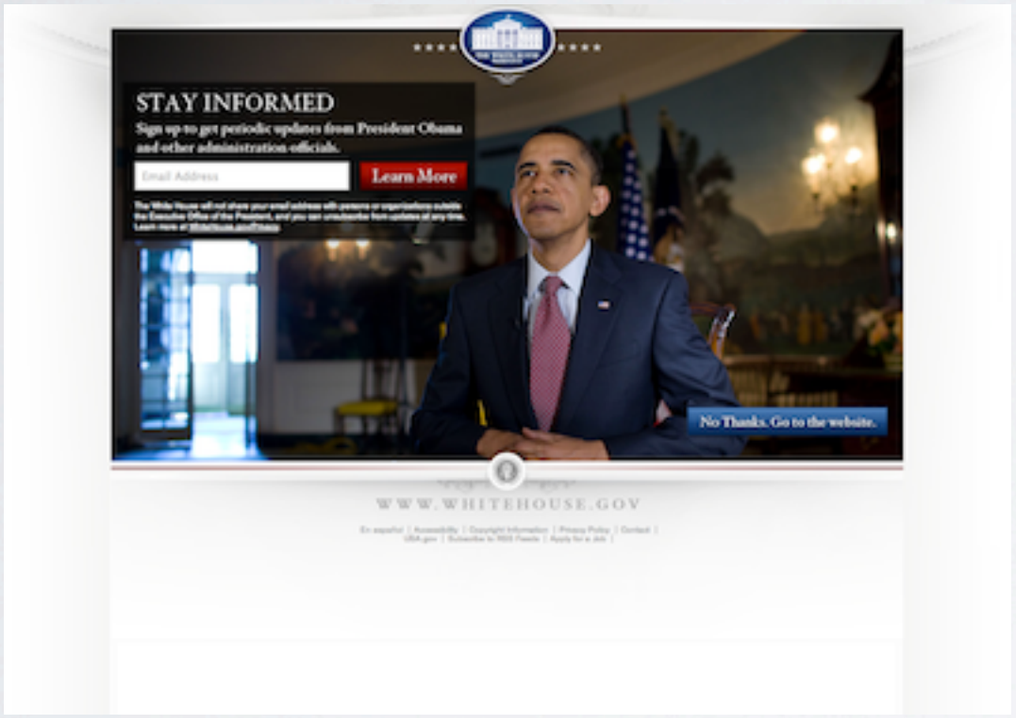
The Economist

Al Akhbar

http://groups.drupal.org/media-publishing-sites

SITES USING DRUPAL

Governments



The White House

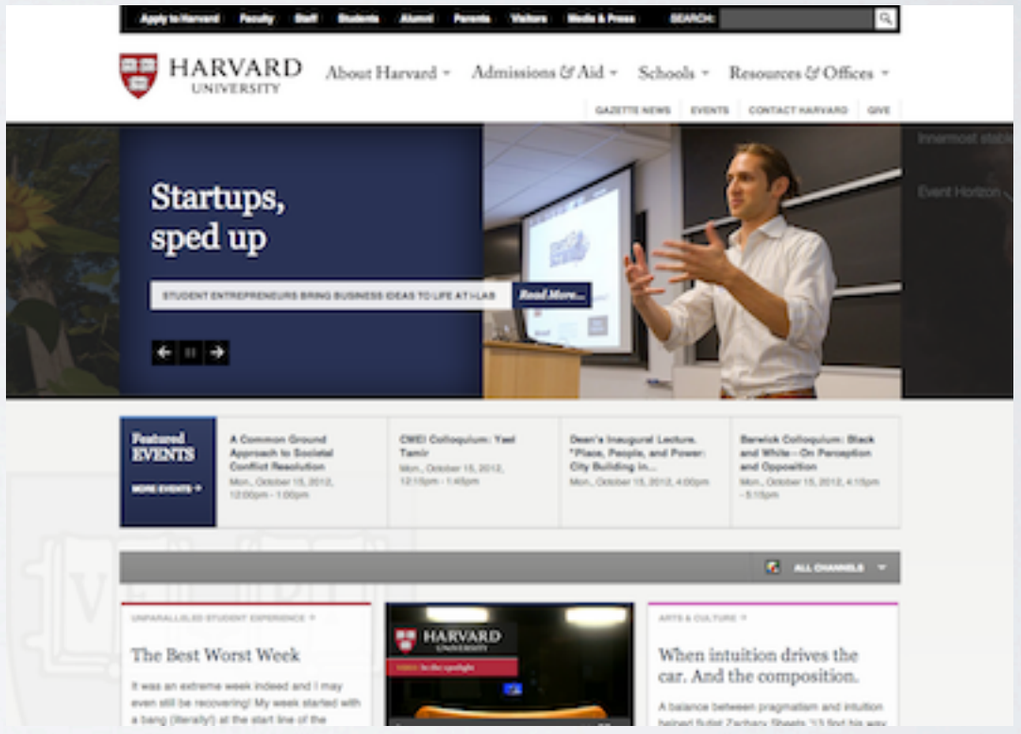
China - retired soldiers ntwk

http://groups.drupal.org/government-sites

SITES USING DRUPAL

Educational Institutions

Stanford University

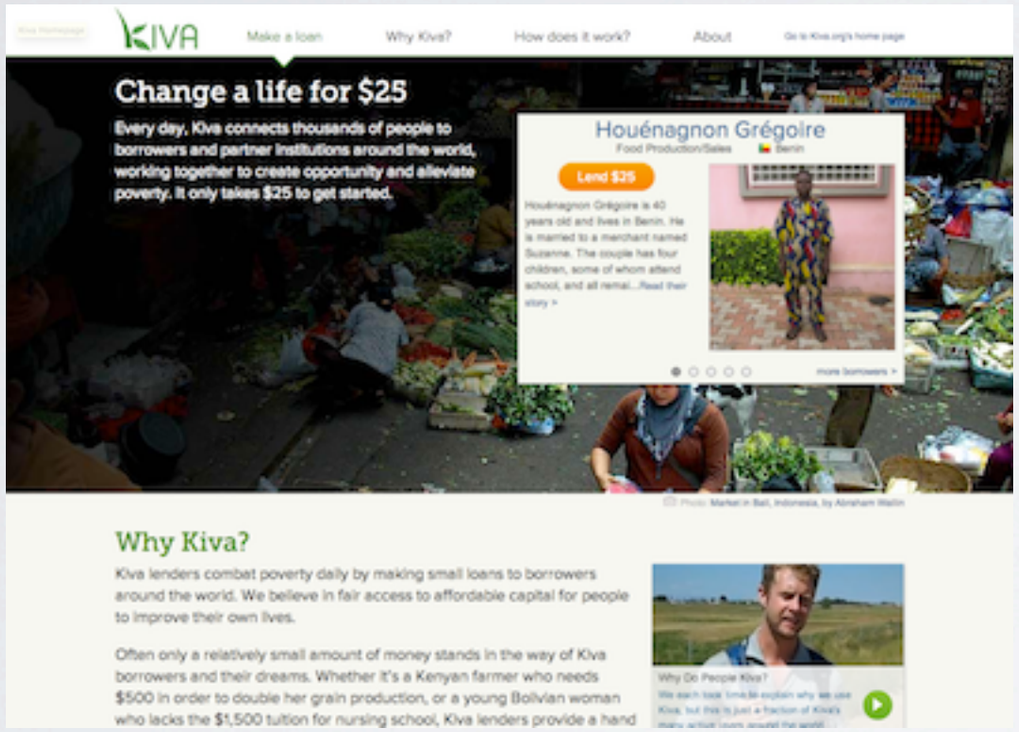


Harvard University

http://groups.drupal.org/government-sites

SITES USING DRUPAL

Non Profit Institutions



Kiva

Habitat for Humanity

http://www.drupalsites.net/categories/nonprofit

SITES USING DRUPAL

E-Commerce sites

Zappos

IKEA

http://www.drupalshowcase.com/site-industries/Consumer%20Products

ONE CMS

Very different websites.

ONE CMS

ONE CMS

Very Different websites.

When is it safe to assume which semantic markup should be used?

&

HTML

DRUPAL & HTML5

(Safe assumptions)

DRUPAL & HTML5

(Safe assumptions)

DOCTYPE

Drupal 7:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML+RDFa
1.0//EN" "http://www.w3.org/MarkUp/DTD/xhtml-rdfa-
1.dtd">
```

Drupal 8:

```
<!DOCTYPE html>
```

DRUPAL & HTML5

(Safe assumptions)

LAYOUTS

Drupal 7

```
<div id="page">
 <div id="header">...</div>
 <div id="navigation">...</div>
 <div id="footer">...</div>
</div>
```

Drupal 8

```
<div id="page">
 <header role="banner">...</header>
 <nav role="navigation">...</nav>
 <footer role="contentinfo">...</footer>
</div>
```

DRUPAL & HTML5

(Safe assumptions)

SEMANTICS

Article

...

<article id="node-n">...</article>"

DRUPAL & HTML5

(Safe assumptions)

SEMANTICS

Comments

...

<article class=comment">... </article>

DRUPAL & HTML5

(Safe assumptions)

FORM ELEMENTS

email: email #1174620: Add new HTML5 FAPI element: email

url: url #1174630: Add new HTML5 FAPI element: url

search: search #1174628: Add new HTML5 FAPI element: search

tel: tel ~~#1174634: Add new HTML5 FAPI element: telephone~~

number: 1234 #1174640: Add new HTML5 FAPI element: number

range: #1174646: Add new HTML5 FAPI element: range

DRUPAL & HTML5

(Safe assumptions)

FORM ATTRIBUTES

placeholder: Placeholder? #1174694: Allow FAPI usage of the placeholder attribute

pattern: [0-9]{3}-[a-c]{2} #1174766: Support the pattern attribute

required: #1174938: support the HTML5 #required FAPI property

formnovalidate: #1174938: support the HTML5 #required FAPI property

DRUPAL & HTML5

(Safe assumptions)

CSS3 RESIZE

```
{
  resize: both;
  overflow: auto;
}
```

```
{
  resize: vertical;
  overflow: auto;
}
```

```
{
  resize: horizontal;
  overflow: auto;
  max-width: 400px;
}
```

[#1138258: Drop textarea.js in favor of CSS3 resize]

DRUPAL & HTML5

wait...

WHAT ABOUT IE?

DRUPAL & HTML5

wait...

WHAT ABOUT IE?

SHIV!!!!

~~#1077878: Added HTML5shiv to core~~

Oh we also ugraded to the latest version of jQuery. So no need for the innerShiv

~~#1328900: Update to jQuery 1.7.~~

DRUPAL & HTML5

(UnSafe assumptions)

DRUPAL & HTML5

(UnSafe assumptions)

FIELDS

- nav tag?
- ul / ol tags?
- just divs?

DRUPAL & HTML5

(UnSafe assumptions)

LIST ITEMS

- article tags?
- just divs?

DRUPAL & HTML5

(UnSafe assumptions)

BLOCKS

- asside tag?
- nav tag?
- just a div?

UNSAFE ASSUMPTIONS

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- should these tags depend on the content within? (does an ad with an image get a figure tag?)

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- are tags dependent on the context of the page?
  (is an article in the sidebar actually an aside?)

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- should these tags depend on the content within? (does an ad with an image get a figure tag?)
- are tags dependent on the context of the page? (is an article in the sidebar actually an aside?)
- do different developers have different opinions?

UNSAFE ASSUMPTIONS

- should these tags depend on the content within? (does an ad with an image get a figure tag?)
- are tags dependent on the context of the page? (is an article in the sidebar actually an aside?)
- do different developers have different opinions?

WHERE DOES THIS CONTROL GO?

I CAN HAS CONTROL?

THEME LAYER

Browser > PHP > DB > PHP > **HTML + CSS + JS** > browser

(for front-end developers only ??)

(code in version control ++)

(can't be changed quickly / easily --)

(breaks admin interfaces --)

I CAN HAS CONTROL?

ADMIN INTERFACES?

Browser > PHP > DB > PHP > HTML + CSS + JS > browser

(for administrators ++)

(*code not in version control --)

(can be changed quickly / easily ++)

(does not break other user interfaces++)

I CAN HAS CONTROL?

ADMIN INTERFACES?

how do you do that?

I CAN HAS CONTROL?

ADMIN INTERFACES?

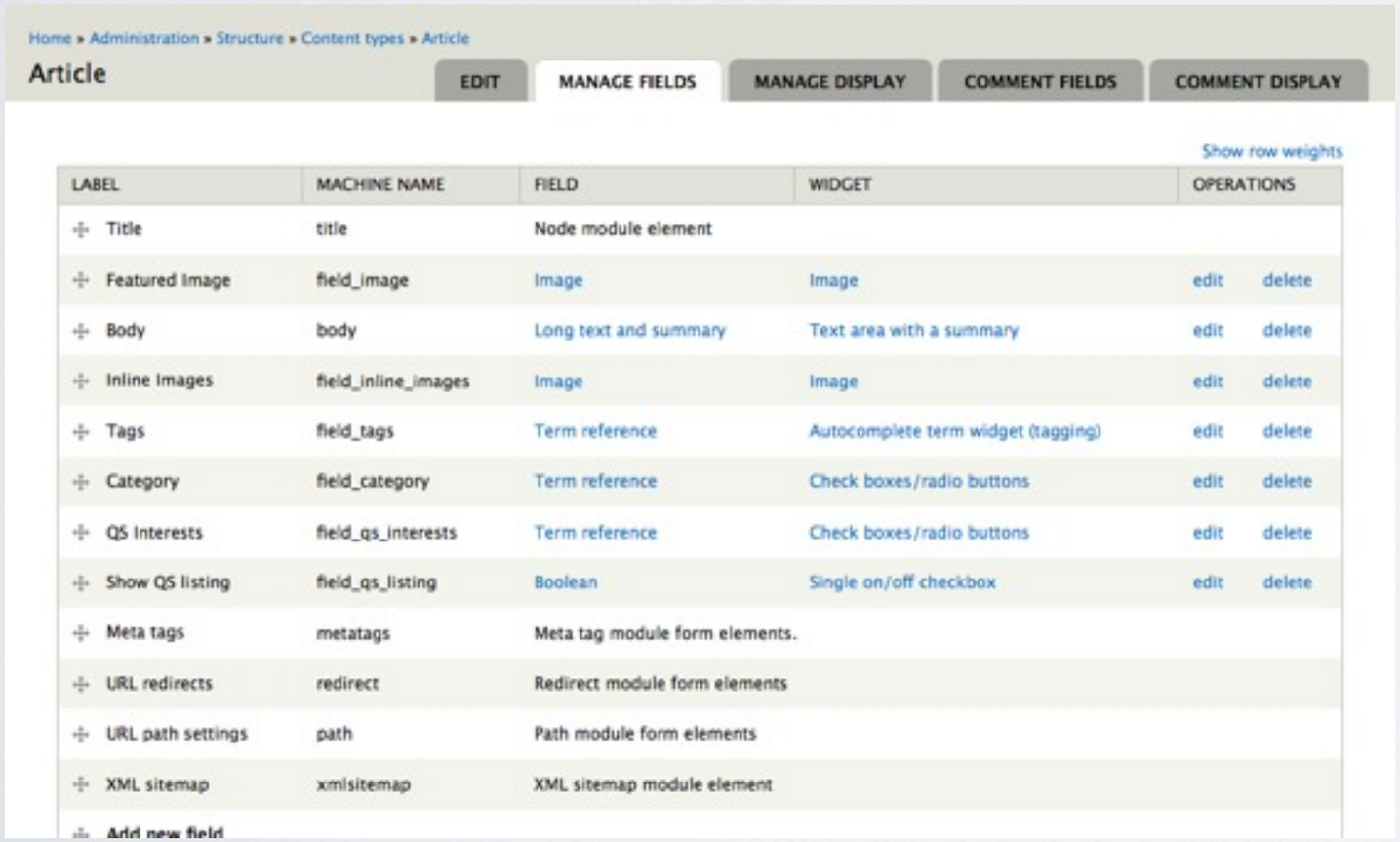
how do you do that?

not very well :/

DRUPAL & HTML5

Complex interfaces for simple problems

FIELDS - "FIELD UI"

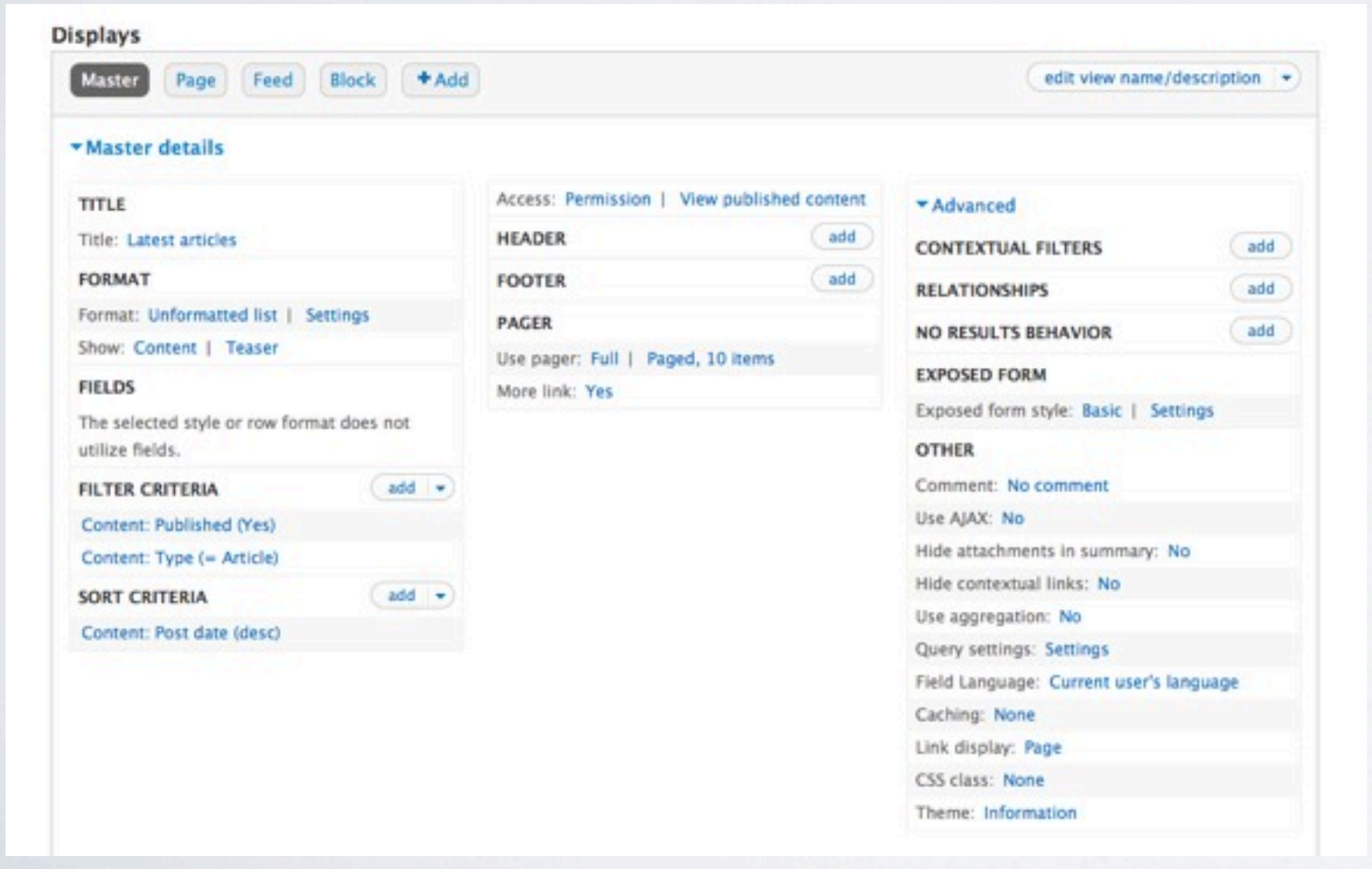


* with fences module

DRUPAL & HTML5

Complex interfaces for simple problems

LIST ITEMS - "VIEWS"

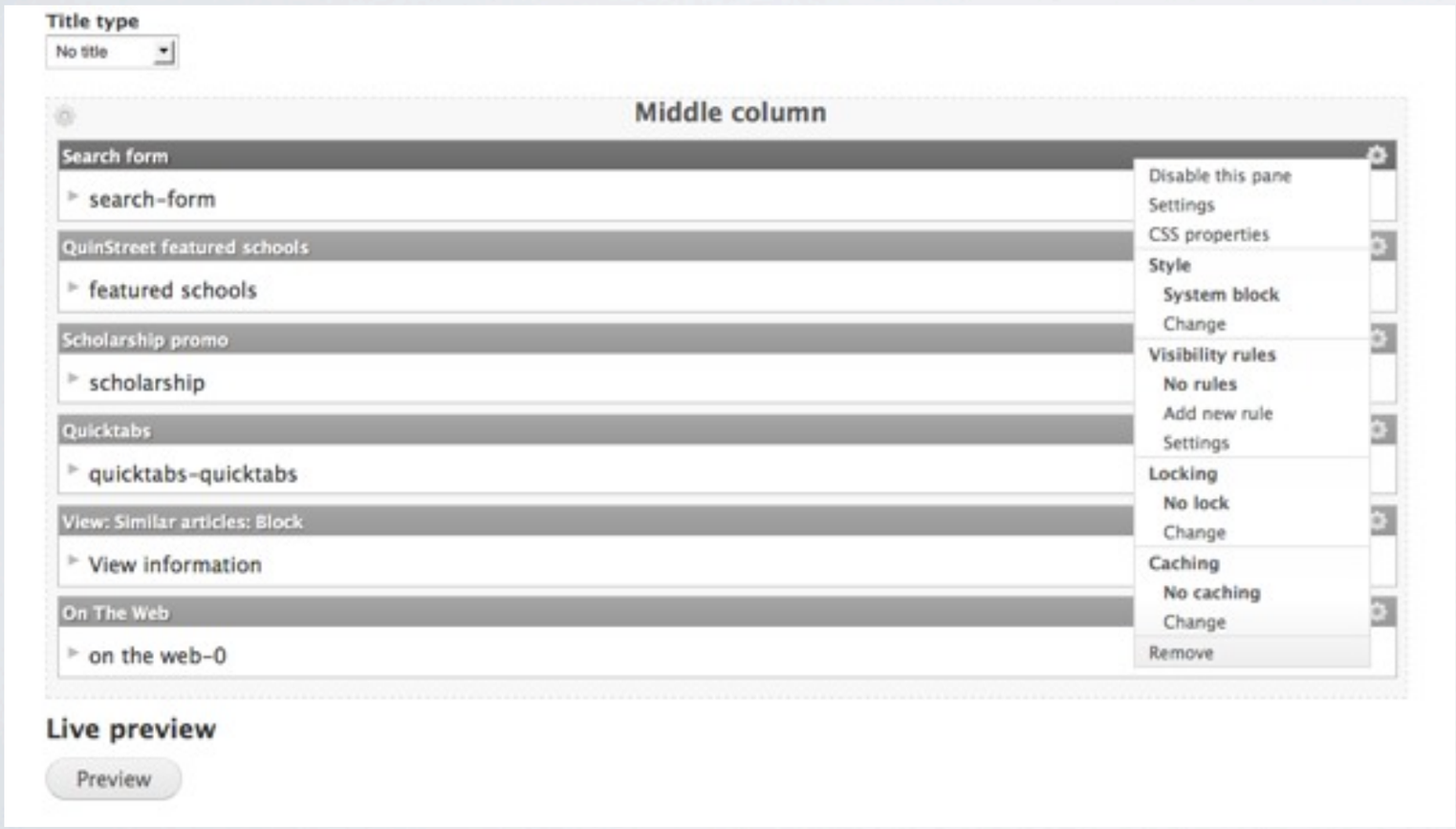


"views in core" initiative in D8

DRUPAL & HTML5

Complex interfaces for simple problems

BLOCKS - "PANELS"



blocks & layouts initiative in D8

DRUPAL & HTML5

Complex interfaces for simple problems

HOW MUCH IS TOO MUCH?

DRUPAL & HTML5

Complex interfaces for simple problems

HOW MUCH IS TOO MUCH?

Drupal 8

(eta, Fall 2013)

DRUPAL & HTML5

Complex interfaces for simple problems

(demo + discussion time?)

CONTENT
VS
CONFIGURATION

HTML5 in a CMS

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photo credits:

high school: http://shrewsbury.net/?p=16272

html: http://www.tammyhartdesigns.com/about/html-css/

no css: http://www.asexuality.org/en/index.php?/topic/63070-conversation-but-no-typed-words-allowed-warning-big-pictures/page__st__300

tables for layouts: http://blog.silktide.com/2011/04/why-you-shouldnt-use-tables-for-layout-ever/

ethernet: http://www.etny.net/cabling

now hiring: http://www.bluedoorpublishing.com/job-opportunities/

template engine: http://deepak-keswani.blogspot.com/2011/09/freemarker-vs-velocity-ftl-vs-vm.html

admin login: http://simplecmsphp.com/help_simplecms.php

editor: http://www.fakechineserubberplant.com/2010/05/the-art-craft-of-editing/editor-2/

admin: http://varsityb.com/hall-of-fame/lyle-smith/

nerd: http://www.clipartguide.com/_pages/0511-1111-0813-0150.html

heart: http://www.hitrecord.org/records/214779

geocities: http://eisabainyo.net/weblog/2009/04/24/my-homepage-on-geocities-10-years-ago/

dreamweaver: http://www.pearsoned.co.uk/bookshop/detail.asp?item=1000000001108189

os commerce: http://www.blog.pc-serveis.es/recursos-web/tienda-online-oscommerce-tutorial-manual-instalacion

sugar crm: http://insightoverflow.com/how-to-install-sugarcrm-community-edition-open-source/

phpfox : http://www.azureitsolutions.com/azure/services.html

mambo: http://www.preachingchat.com/lectionaryblog/

joomla: http://www.pittan.co.uk/blog/2010/06/10/is-there-an-easier-way-to-build-my-web-pages/joomla-logo-vert-color/

drupal : http://drupal.org/node/9068

pole: http://en.wikipedia.org/wiki/Amundsen's_South_Pole_expedition

money: http://aleheads.com/2012/06/28/beer-money/

open hood car: http://www.carexpose.com/2011/01/how-to-replace-a-hood/

one ring: http://omriz.deviantart.com/art/One-Ring-To-Rule-Them-All-5054321

html5: http://www.w3.org/html/logo/

sad panda: http://pandaaday.wordpress.com/2010/01/28/

speech bubble: http://media.photobucket.com/image/speech%20bubble/paravillintiniaypunk/Speech20Bubble.png?o=12

wft cat: http://www.wannasmile.com/2008/page/228/