Adaptive content in Drupal http://goo.gl/A4ejvF

What we can learn from technical writers

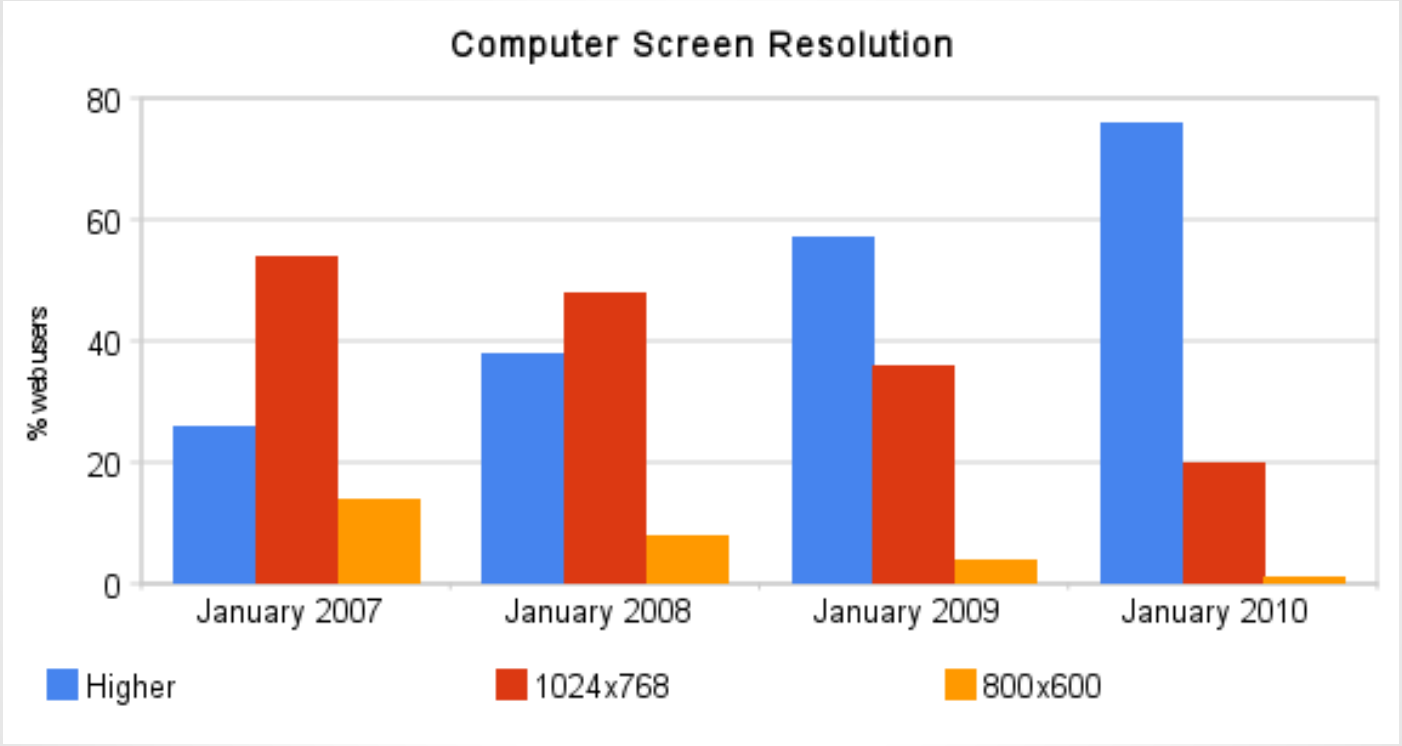
follow along:
http://goo.gl/A4ejvF

PRONOVIX
Drupal engineers

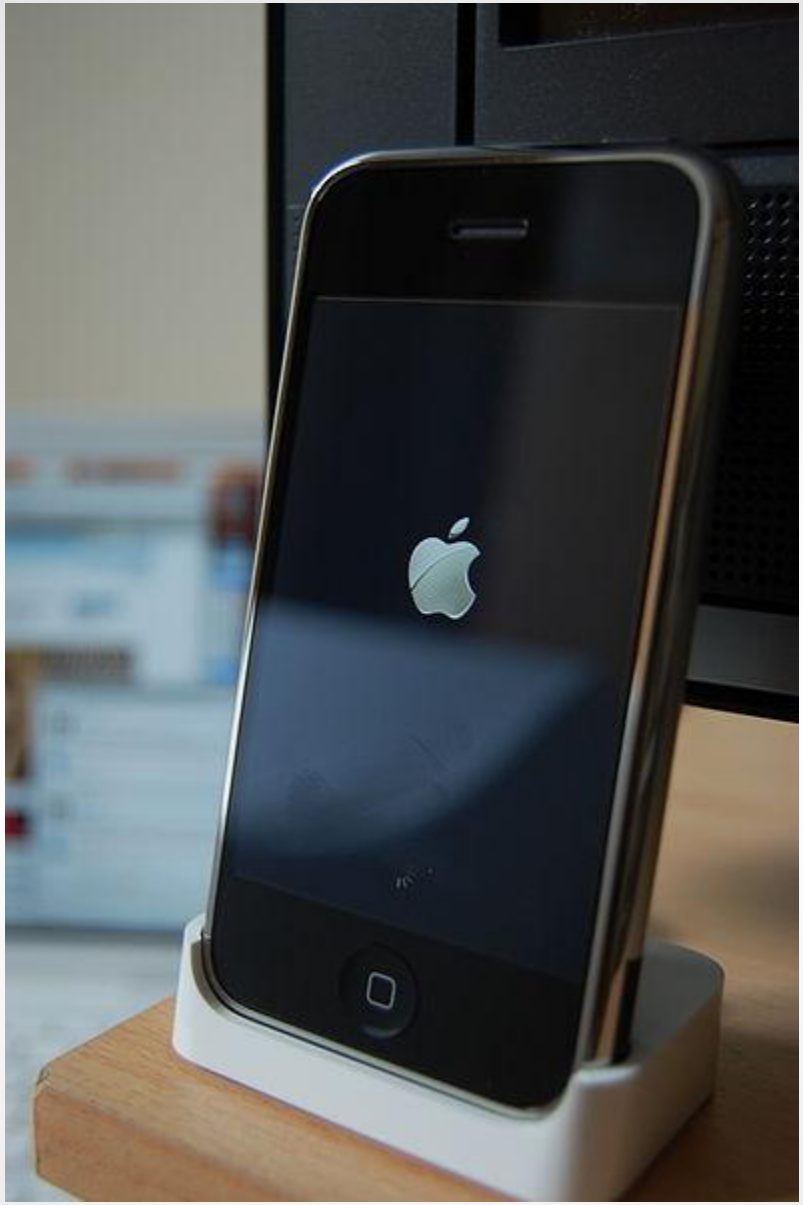
Pronovix

Introduction

What's the big deal with mobile?



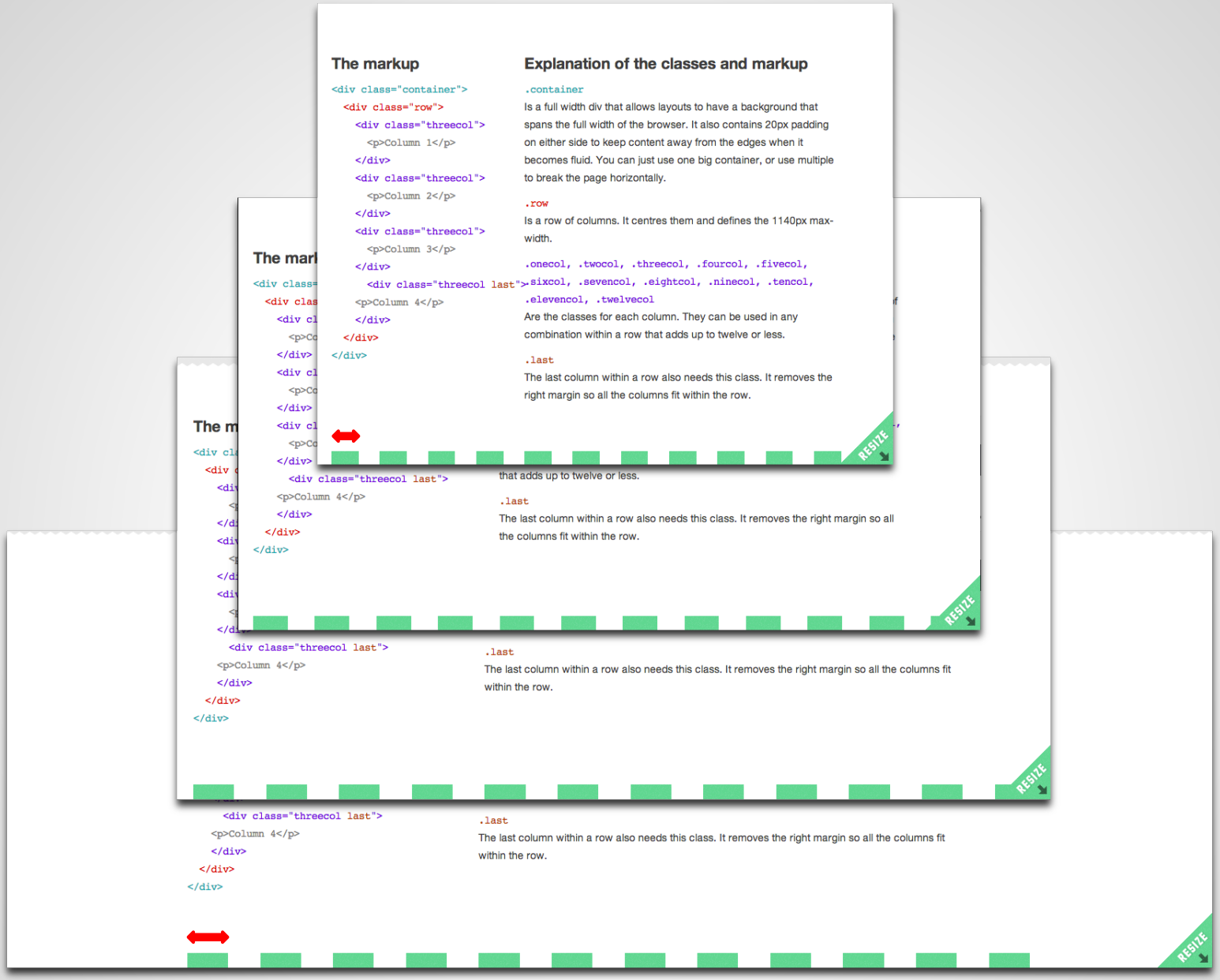
A short history of screen resolutions



And then mobile happened...

Responsive design

Stop worrying about size


The markup

Column 1

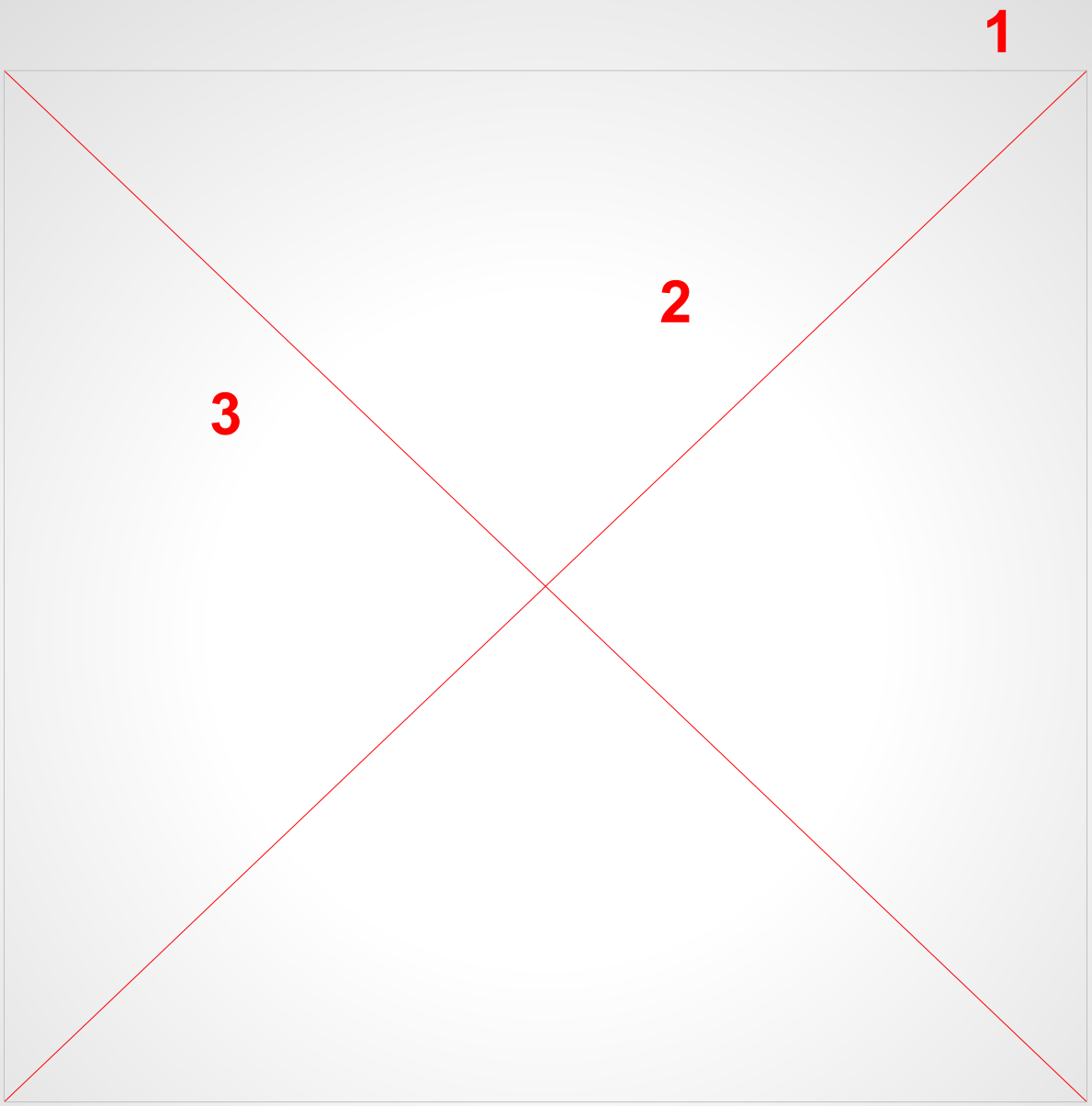
Column 2

Column 3

Column 4

Explanation of the classes and markup
.container
Is a full width div that allows layouts to have a background that spans the full width of the browser. It also contains 20px padding on either side to keep content away from the edges when it becomes fluid. You can just use one big container, or use multiple to break the page horizontally.
.row
Is a row of columns. It centres them and defines the 1140px max-width.
.onecol, .twocol, .threecol, .fourcol, .fivecol, .sixcol, .sevencol, .eightcol, .ninecol, .tencol, .elevencol, .twelvecol
Are the classes for each column. They can be used in any combination within a row that adds up to twelve or less.
.last
The last column within a row also needs this class. It removes the right margin so all the columns fit within the row.
RESIZE

Fluid grid



Media queries

The big idea

WHY should you go treasure hunting when you need stuff done?

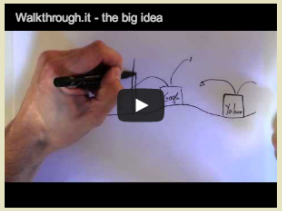
Play walkthroughs

PLAY, PAUSE, EDIT! Switch the back seat for the steering wheel.

Record walkthroughs

RECORD a tutorial, then add descriptions, no code required.

The big idea



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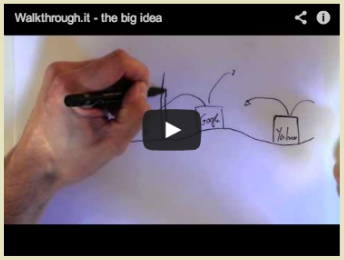

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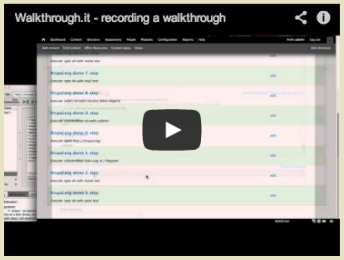


RECORD a tutorial, then add descriptions, no code required.

Resizable media

But what about these?

channel explosion

28:56
4.08mi
PACE
7:05
min/mi
twelve
thirty
five
TUE 27

Московскому
метрополитену
75 лет

NORTHWESTERN
HIGH SCHOOL
HOME
OF THE
WILDCATS
DAKTRONICS

Adaptive content

Create once, publish everywhere

Adaptive content

- Reusable
- Structured
- Presentation-independent
- With meaningful metadata
- Usable CMS interfaces

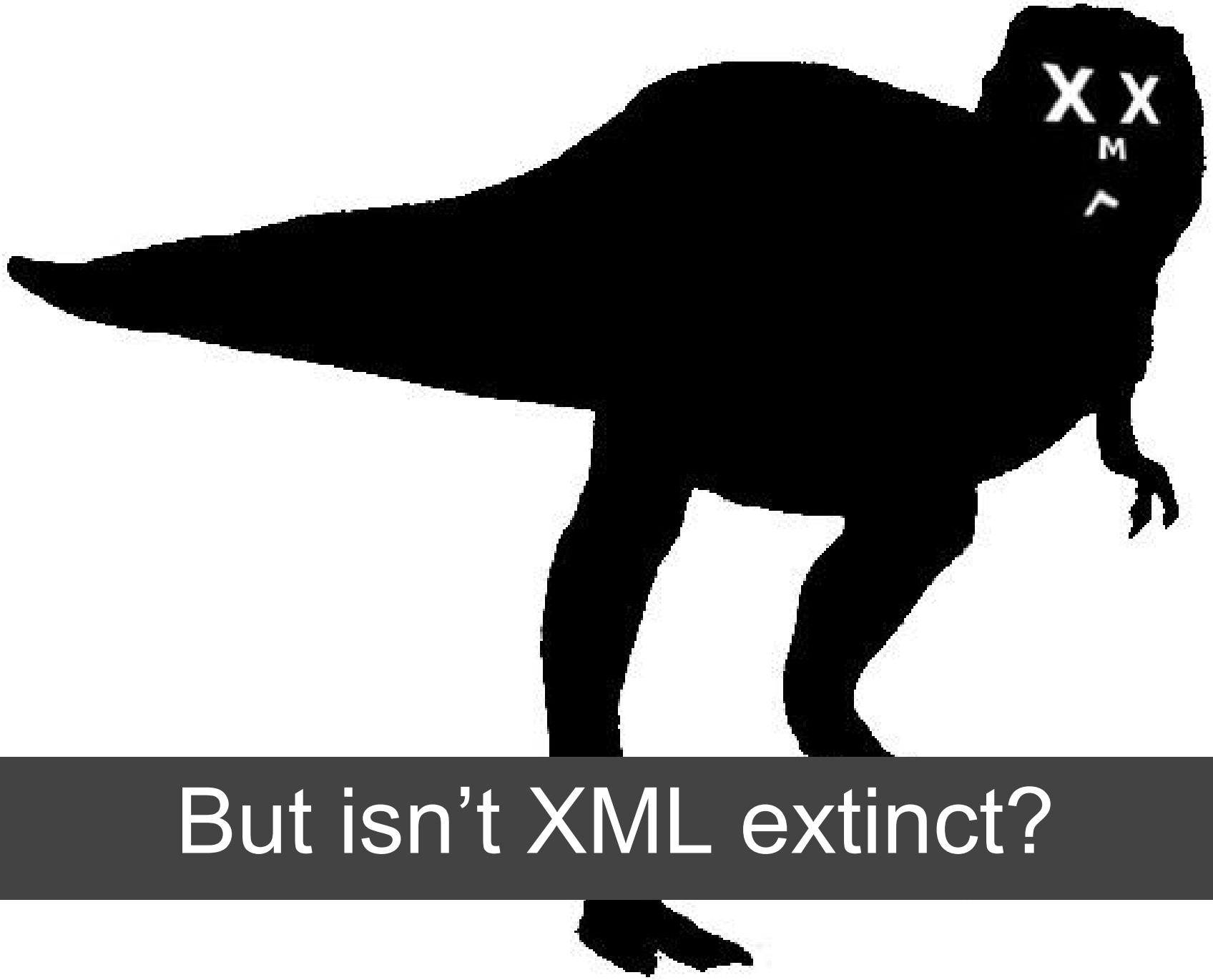
Five key elements of adaptive content as defined by Karen McGrane in her book "Content strategy for mobile"

Let’s talk a bit about DITA

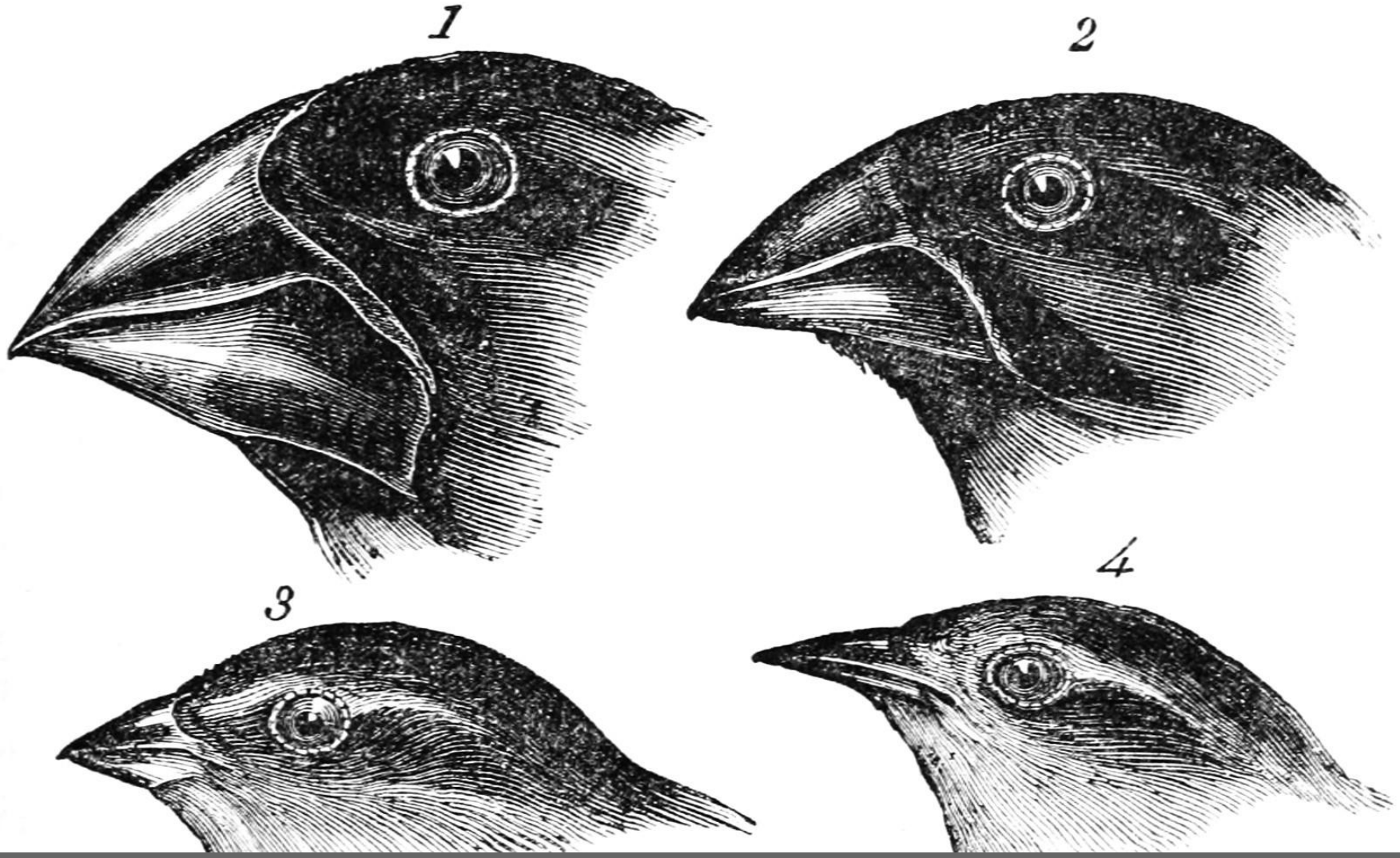
XML is dead, long live XML

Darwin Information Type Architecture

- Topic oriented != book oriented
- Maps: Separation navigation & content
- Conref: content references = transclusion
- Conditional text: context specific docs
- Metadata: loads of it
- Specialization: make your own topic type
- And all of this in XML



But isn’t XML extinct?



XML is very much alive

1. Geospiza magnirostris.
2. Geospiza fortis.
3. Geospiza parvula.
4. Certhidea olivasea.

What DITA does

- Information typing
- Topic based authoring
- Structured writing
- Conditional text
- Single source
- Minimalism

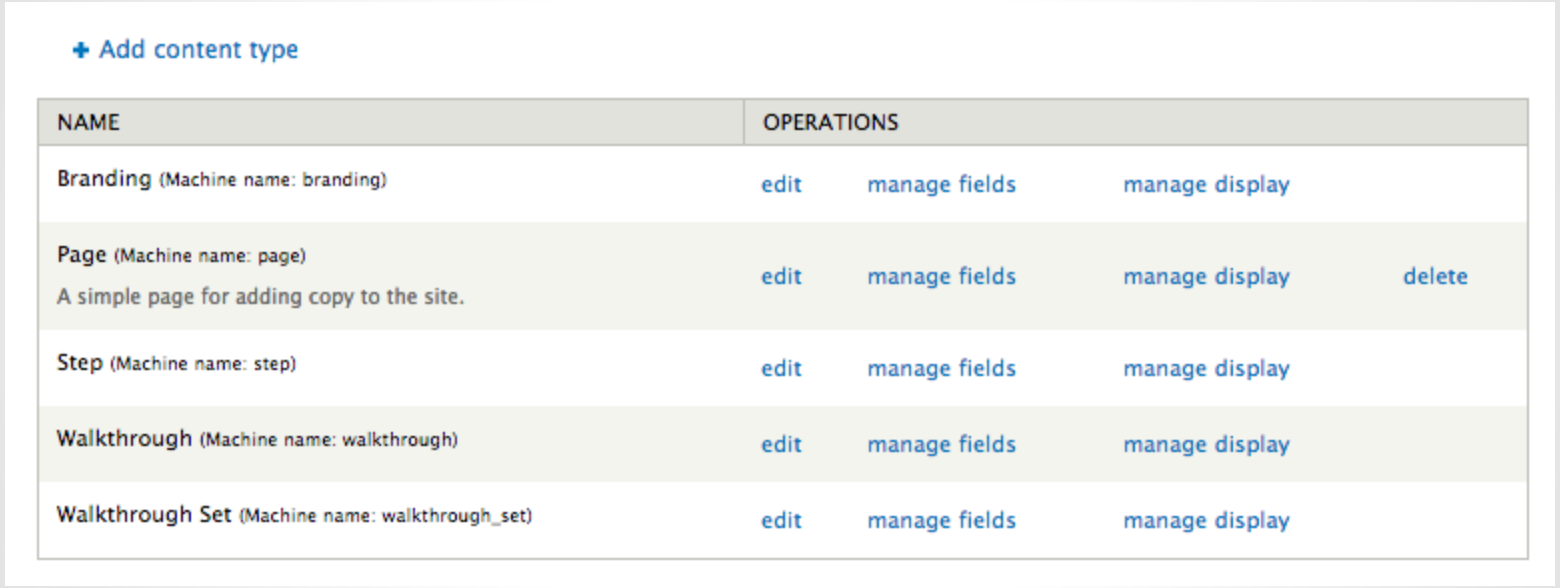
But you can do all this in Drupal!

& Drupal is way more badass

Drupalzilla

Responsive and Adaptive

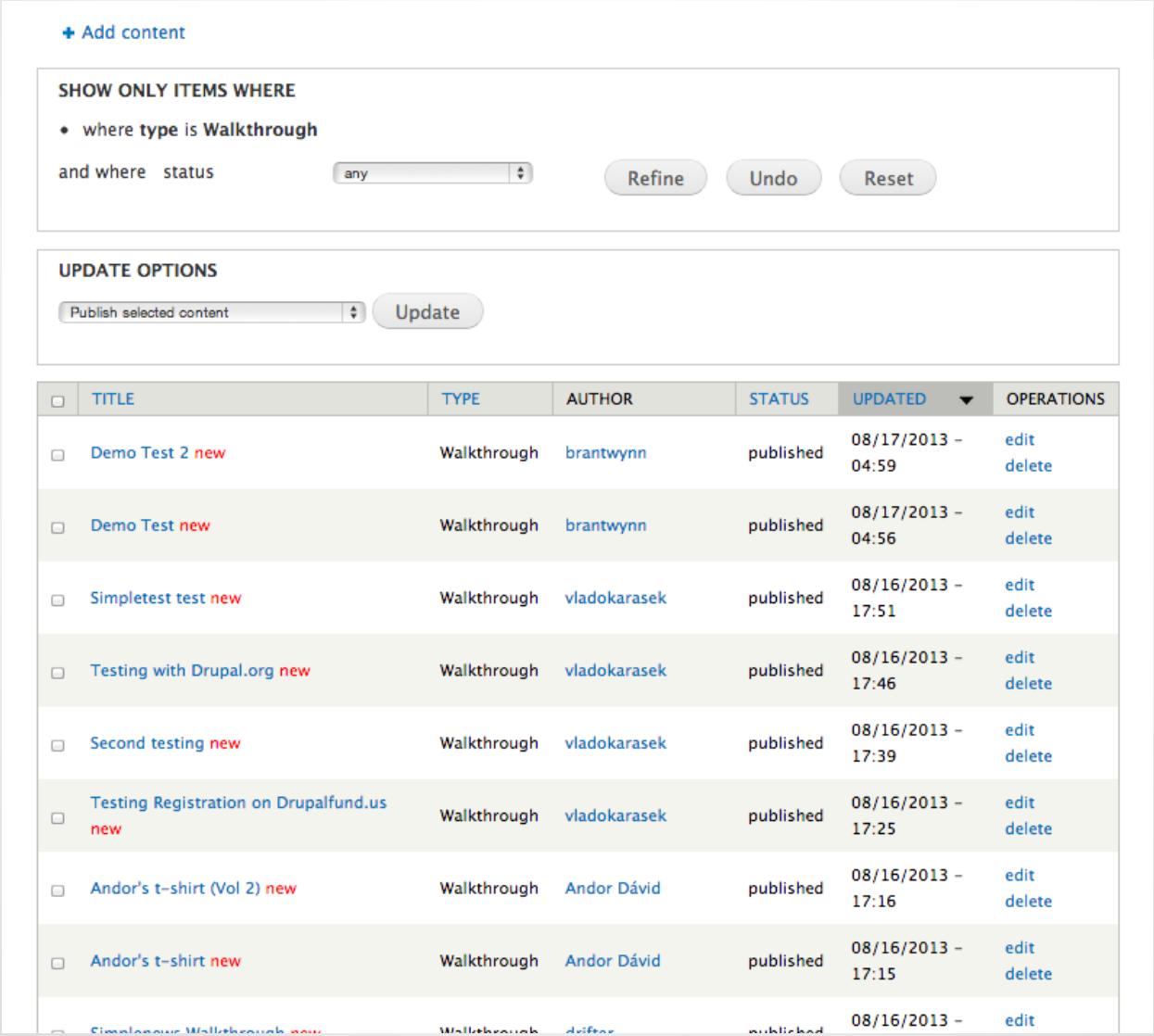
Information typing = Content types



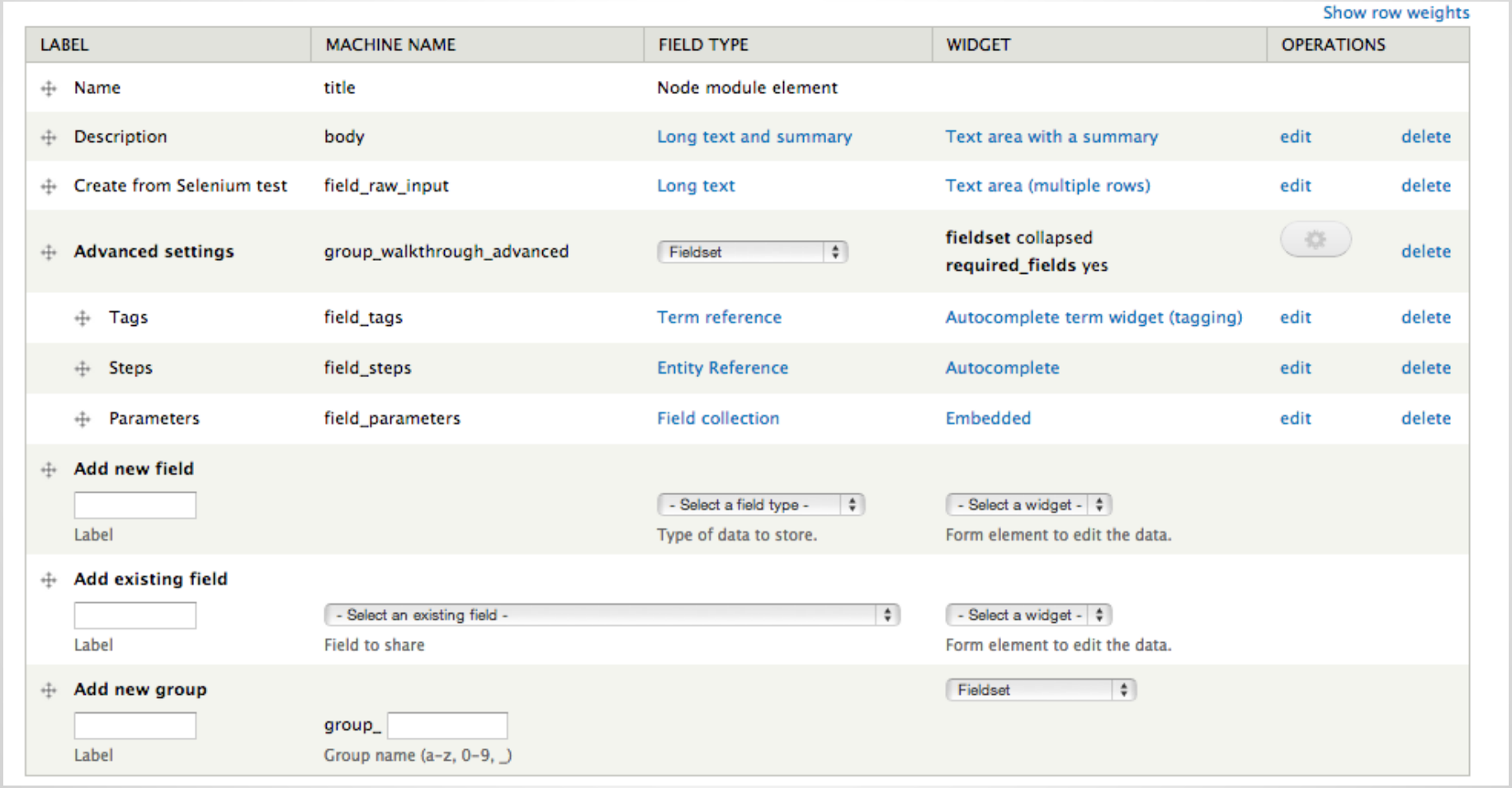
+ Add content type

NAME	OPERATIONS			
Branding (Machine name: branding)	edit	manage fields	manage display	
Page (Machine name: page) A simple page for adding copy to the site.	edit	manage fields	manage display	delete
Step (Machine name: step)	edit	manage fields	manage display	
Walkthrough (Machine name: walkthrough)	edit	manage fields	manage display	
Walkthrough Set (Machine name: walkthrough_set)	edit	manage fields	manage display	

Topic based authoring = Nodes



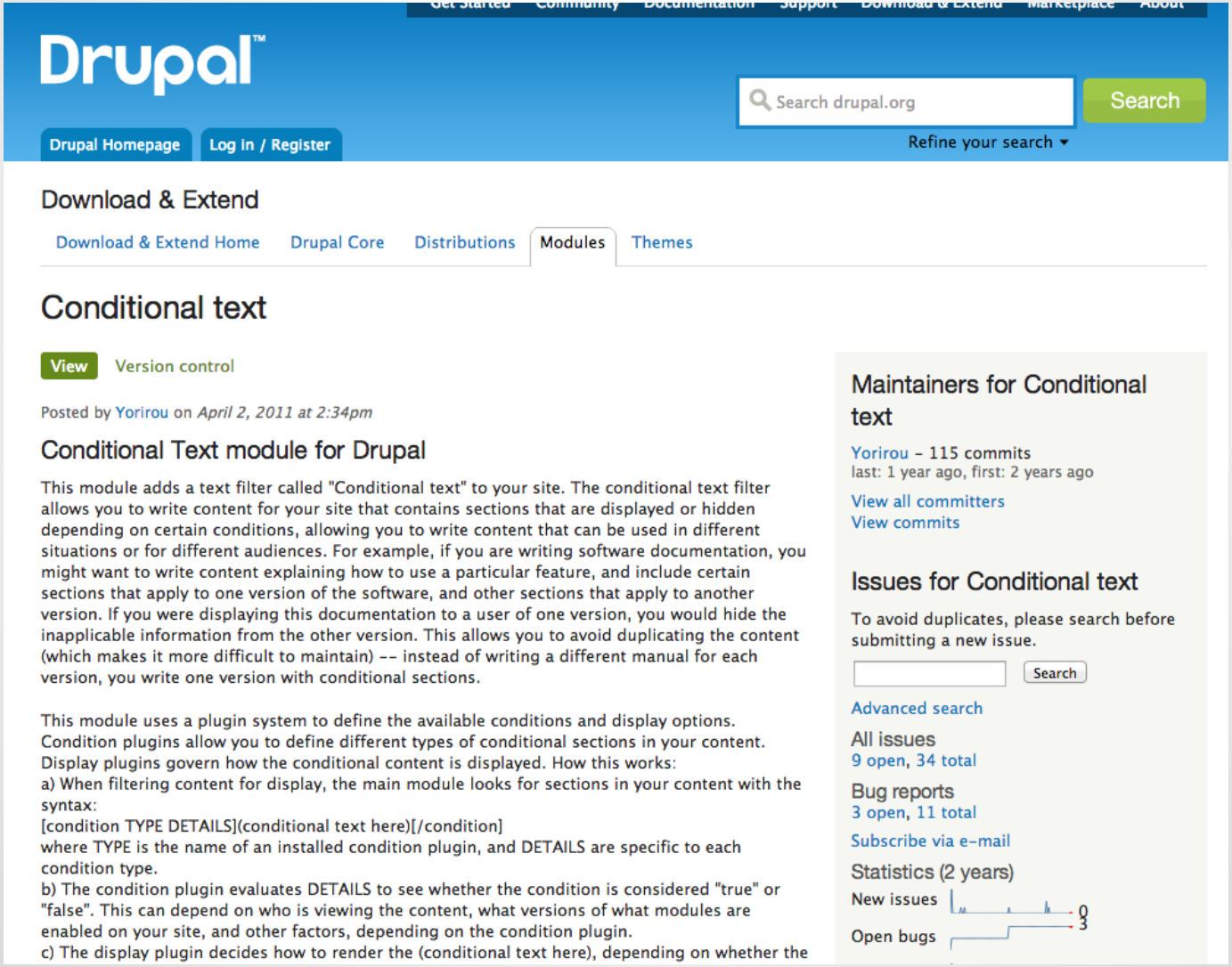
Structured writing = fields



Show row weights

LABEL	MACHINE NAME	FIELD TYPE	WIDGET	OPERATIONS
Name	title	Node module element		
Description	body	Long text and summary	Text area with a summary	edit delete
Create from Selenium test	field_raw_input	Long text	Text area (multiple rows)	edit delete
Advanced settings	group_walkthrough_advanced	Fieldset	**fieldset** collapsed **required_fields** yes	delete
Tags	field_tags	Term reference	Autocomplete term widget (tagging)	edit delete
Steps	field_steps	Entity Reference	Autocomplete	edit delete
Parameters	field_parameters	Field collection	Embedded	edit delete
Add new field Label		- Select a field type - Type of data to store.	- Select a widget - Form element to edit the data.	
Add existing field Label	- Select an existing field - Field to share		- Select a widget - Form element to edit the data.	
Add new group Label	group_ Group name (a-z, 0-9, _)		Fieldset	

Conditional text, there's a module for that

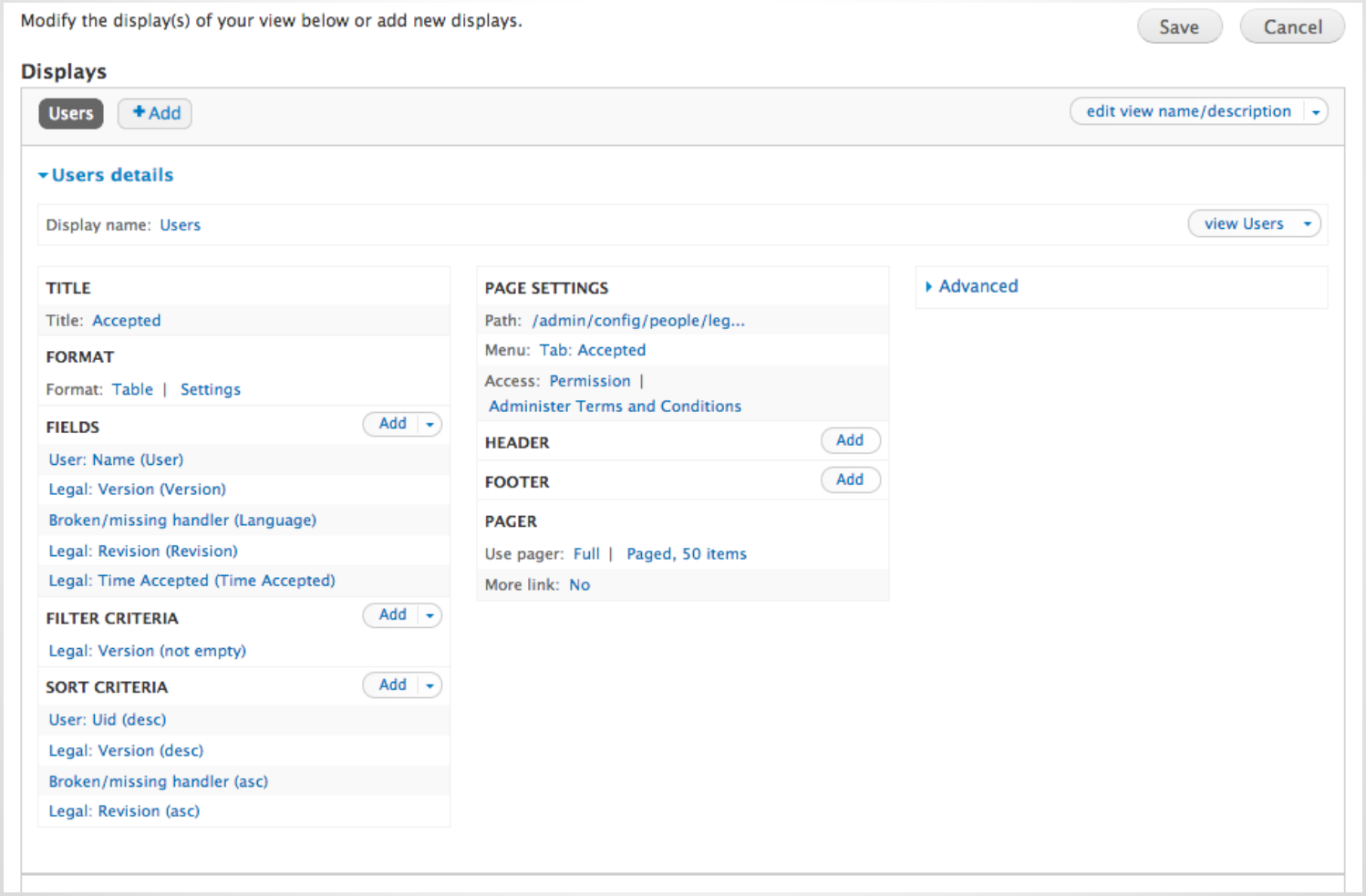


It’s more than code

Educate your users

Teach your users minimalism

Single source => no listing blobs



Presentation independent

SN 700

Meaningful metadata

- Keywords (Fields, Taxonomy)
- Expiration date (Date module)
- Post initial energy (Radioactivity)

Drupalzilla: strong enough to handle all your channels

Make sure to watch these

Adaptive content @ Drupalcon Portland

building for the post-mobile world

why "mobile sites" are doomed,
why the future is made of structured content,
and how to build without breaking the bank

http://goo.gl/2Jyy3V

http://goo.gl/l42jQv

Kristof Van Tomme
http://pronovix.com
@kvantomme

Media Sources

https://en.m.wikipedia.org/wiki/File:Original_iPhone_docked.jpg

http://en.wikipedia.org/wiki/File:A_Google_Glass_wearer.jpg

http://commons.wikimedia.org/wiki/File:Pebble_watch_trio_group_04.png

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http://commons.wikimedia.org/wiki/File:Band_saw.jpg