

Jennifer Lea Lampton

Developer & Open Source Evangelist

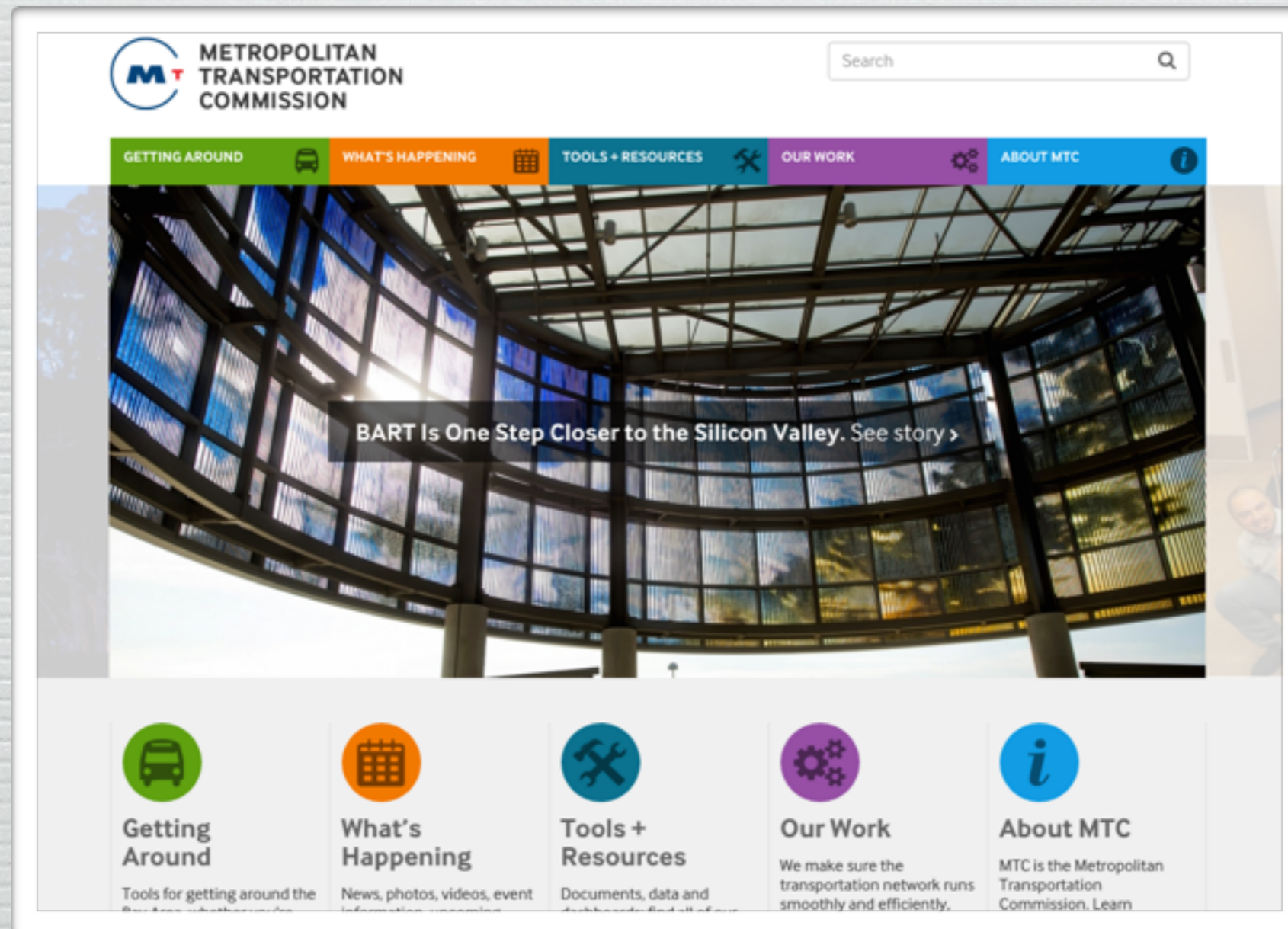
jenlampton

<http://www.jenlampton.com>

writing code as @

saying nerdy things as @

jenlampton



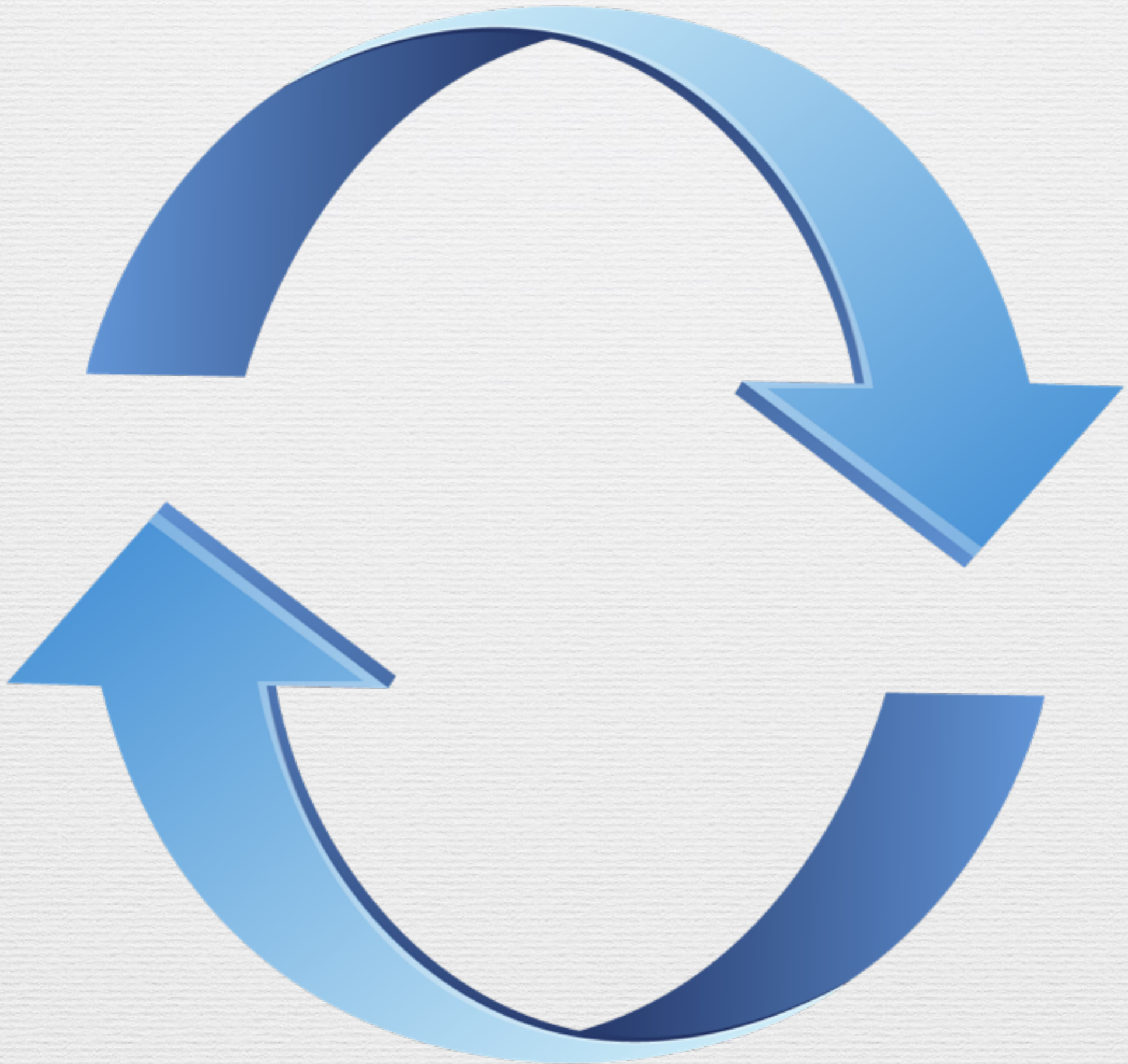
I build websites

Jeneration Web Development



I build software

Content Management System: Backdrop CMS



websites -> software



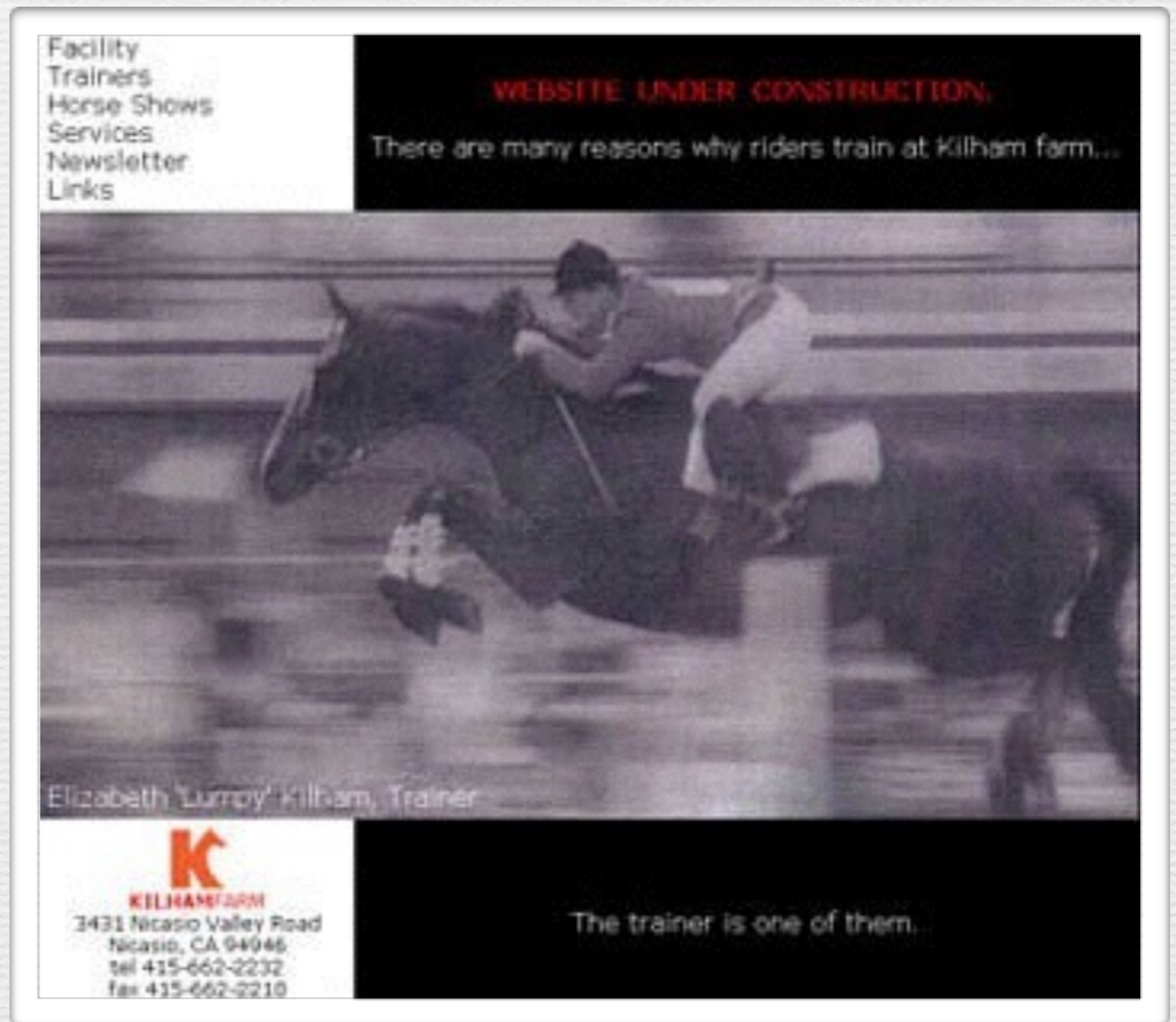
#1 do it forever



#2 increase efficiency

My Old Websites

- Hand Coded HTML for every page
- Copy / Paste
- Hard to update



Less Old Websites

- Easier to update:
- common HTML code placed in separate files
- each file is “included” when needed



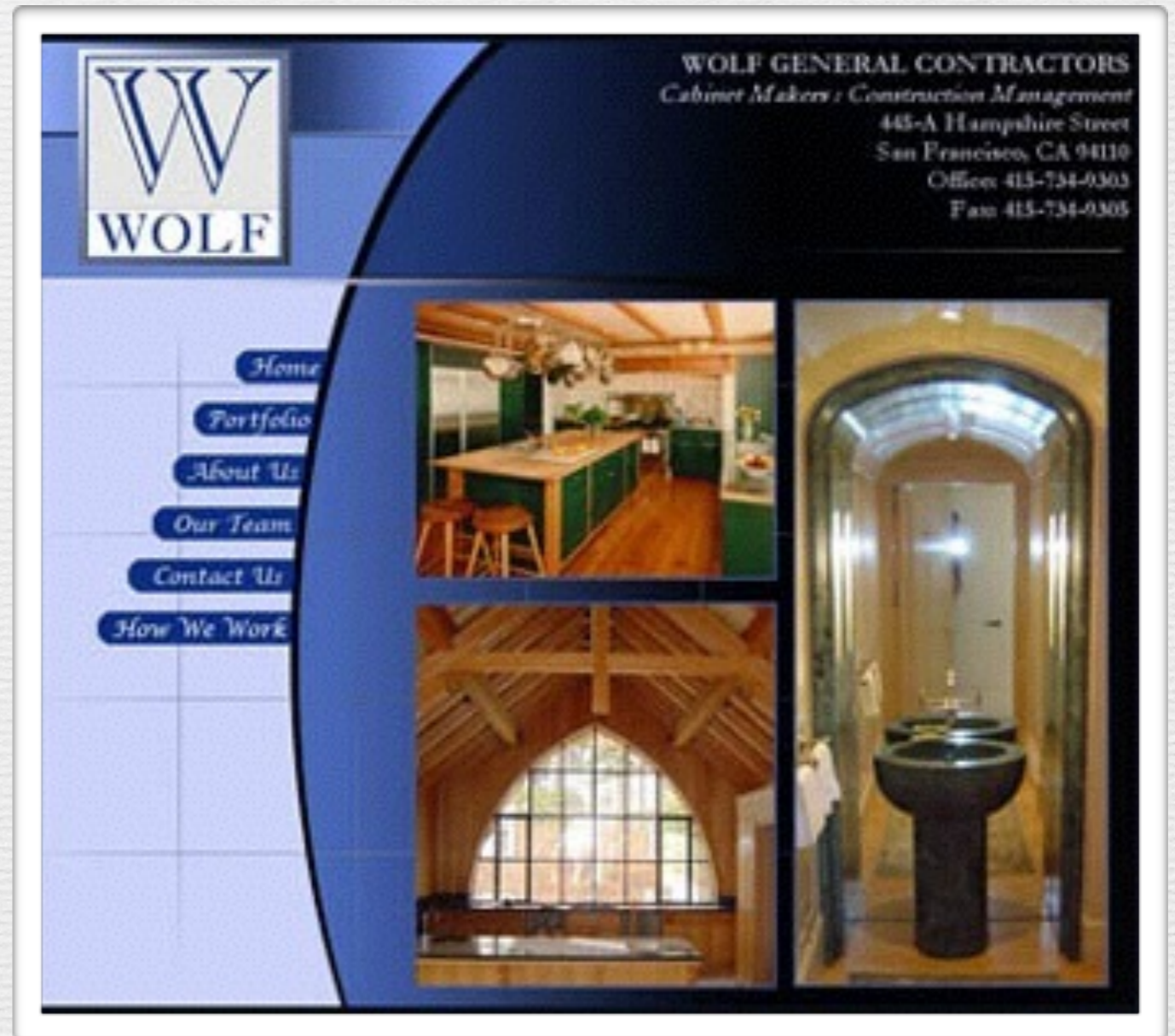
Even Less Old Websites

- Include files become a template system full of \$variables
- Content inserted into \$variables



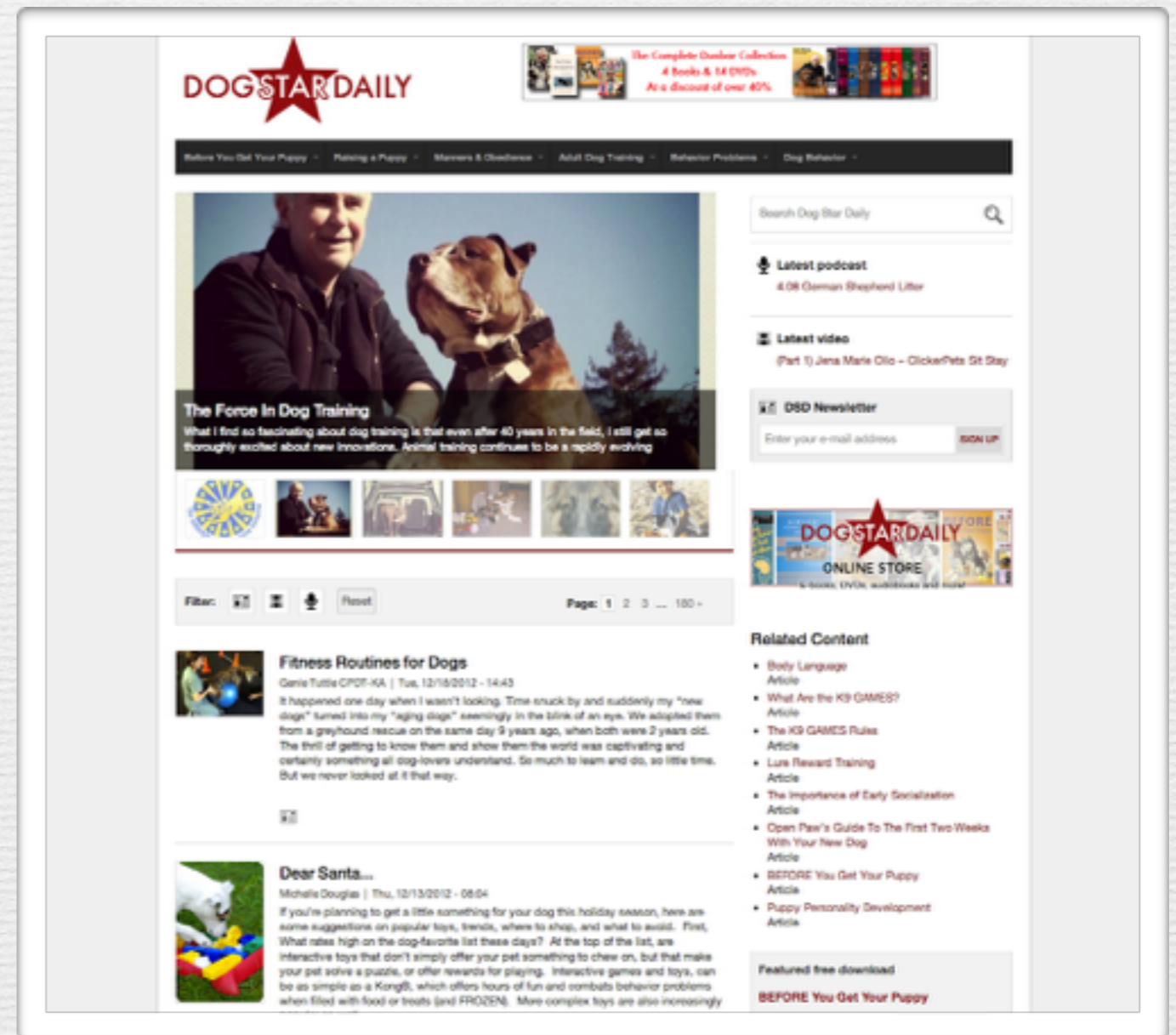
Yet Less Old Websites

- But, where do you keep the content?
- Add a
to store the content



Recent Websites

- Allow the customer to log in to the site
- they can update content themselves



This is Hard

If only there were a starting point...

Content Management Systems





Drupal

All content

DASHBOARD

CONTENT

COMMENTS

CATEGORIES

USER ACCOUNTS

DOMAINS

All content

Action content

Article content

Basic page content

City Details content

Team content

Resource content

Published

Author

Type

Domain

Yes

- Any -

- Any -

Filter

Enter a comma separated list of user names.

OPERATIONS

- Choose an operation -

Execute

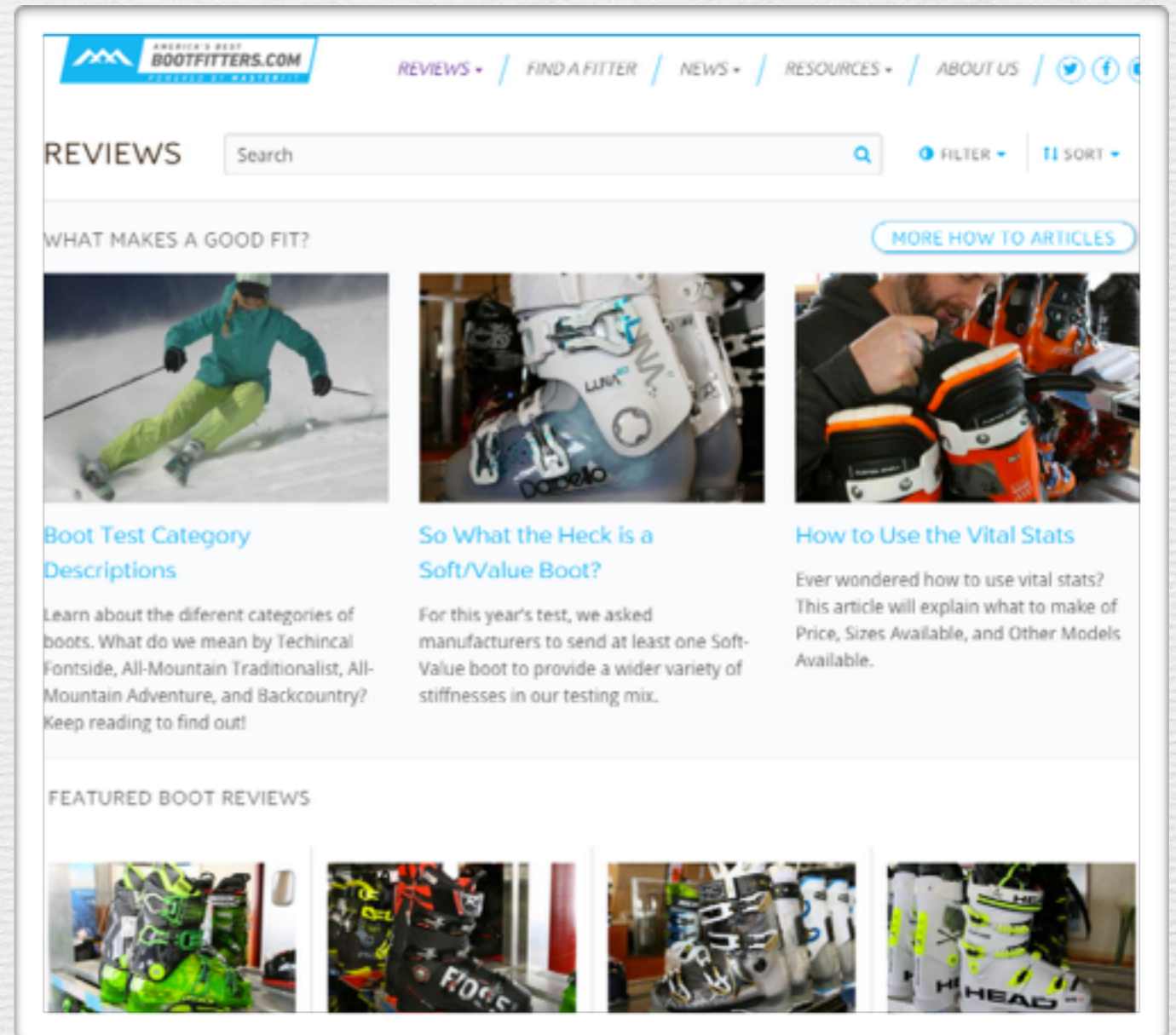
	TITLE	AUTHOR	CREATED DATE	UPDATED DATE	PUBLISHED	EDIT
<input type="checkbox"/>	Test Team	CCS1	04/15 6:26pm	04/15 6:26pm	Yes	edit
<input type="checkbox"/>	Georgetown University Energy Prize	FremontSustaina...	04/15 2:40pm	04/15 4:05pm	Yes	edit
<input type="checkbox"/>	OhmConnect Electricity Demand-Response Program	FremontSustaina...	04/13 5:15pm	04/13 5:15pm	Yes	edit
<input type="checkbox"/>	City of Fremont: Water-Wise Gardening Practices	FremontSustaina...	04/13 10:49am	04/13 2:09pm	Yes	edit
<input type="checkbox"/>	\$125 High Efficiency Toilet Rebate from ACWD	FremontSustaina...	04/12 5:57pm	04/12 5:57pm	Yes	edit
<input type="checkbox"/>	Up to \$150 Rebate for a Clothes Washer	FremontSustaina...	04/12 5:30pm	04/12 5:30pm	Yes	edit
<input type="checkbox"/>	\$50 Rain Barrel Rebate from Alameda County Water District	FremontSustaina...	04/12 5:14pm	04/12 5:15pm	Yes	edit
<input type="checkbox"/>	Greywater Action Guide on Greywater Reuse	FremontSustaina...	04/12 4:22pm	04/12 4:22pm	Yes	edit
<input type="checkbox"/>	Greywater Action Guide on Rainwater Harvesting	FremontSustaina...	04/12 1:30pm	04/12 4:22pm	Yes	edit
<input type="checkbox"/>	Multifamily Property Rebate for Variable-Speed Pool Pump or Motor	BaileySpark	04/06 2:05pm	04/12 5:32pm	Yes	edit
<input type="checkbox"/>	Multifamily Property Rebate for Efficient Lighting	BaileySpark	04/06 1:53pm	04/12 5:33pm	Yes	edit
<input type="checkbox"/>	Multifamily Property Rebate for Central Natural Gas Furnace	BaileySpark	04/06 1:32pm	04/12 5:35pm	Yes	edit
<input type="checkbox"/>	Multifamily Property Rebate for Multiple/Variable-Speed Motors for HVAC	BaileySpark	04/06 1:26pm	04/12 5:36pm	Yes	edit

content management

vs “content storage”

Modern Websites

- Install a CMS
- Customize each website
- Repeat



But...

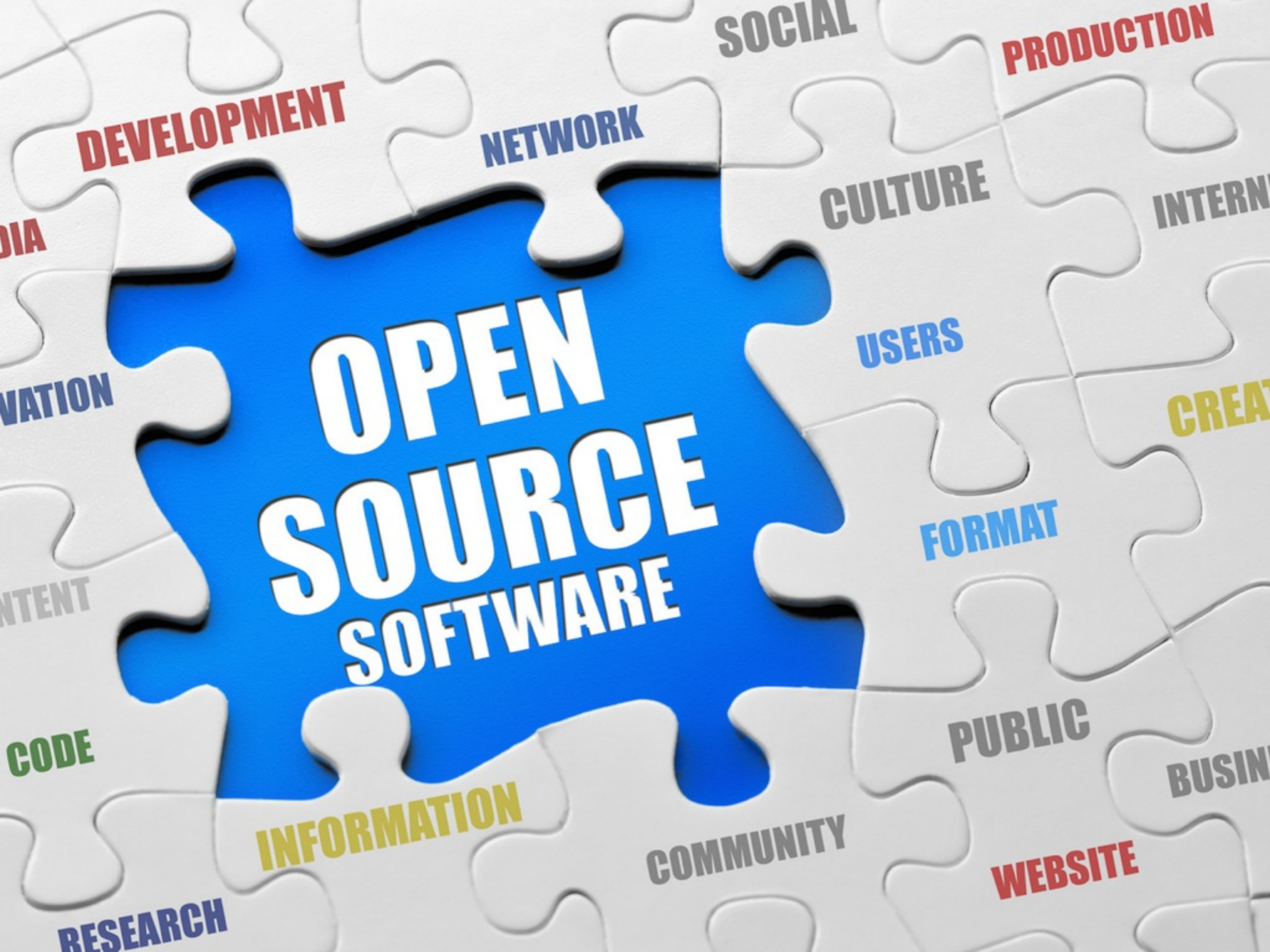
What if your CMS
isn't [X] enough?

You can

But...

What if your goals
start to diverge from
those of the CMS?

You can



DEVELOPMENT

NETWORK

SOCIAL

PRODUCTION

CULTURE

INTERN

USERS

CREAT

FORMAT

PUBLIC

BUSIN

WEBSITE

COMMUNITY

INFORMATION

RESEARCH

CODE

CONTENT

VATION

DIA

**OPEN
SOURCE
SOFTWARE**

Open Source Software

1) See

You can look inside



Open Source Software

2)

you can modify
the way it works



Open Source Software

3) Share

you can distribute
your version



Open Source Software

- **important!**
- fuels innovation.
- allows faster iteration.
- fosters a culture of sharing. * my fav



Community

Online

IRL community



Long before I ever contributed code
to the Drupal project, I became a
part of the Drupal

Becoming an expert on

(It's not what you think)



Overcoming Frustration

- get stuck
 - join a forum (online community)
 - ask questions & give answers
 - attend meet-ups (in-person community)
 - ask questions & give answers
- get unstuck



cant wurk 2day

i haz a bug

Fixing Bugs

- find bugs
- learn how to fix bugs
 - contribute the solutions & bug
 - post comments (online)
 - share code samples (online/in-person)
 - explanations & demonstrations (in-person)



Building new things

- create something new!
- contribute it
 - (post it as a project online)
- maintain it
 - (review other's feedback & bugfixes)

Dude, Wut?



Be brave

- find bug in something sacred (Drupal CORE)
- fix bug in something sacred (Drupal CORE)
 - fix accepted
 - fix committed
 - respect earned

Just do things

OMG I'M A CORE DEVELOPER

Becoming a community l

Organizer

I am
organizers for the largest
free Drupal event in the
world



Manager

Maybe it has to do with
being a Drupal Core
initiative lead?



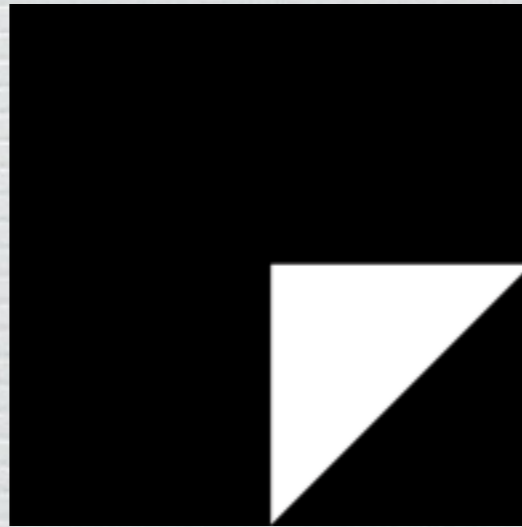
A

when we announced...

Forking Drupal

“A project fork happens when developers take a copy of source code from one software package and start independent development on it, creating a distinct software.”

–Wikipedia



Backdrop CMS
is a fork of Drupal



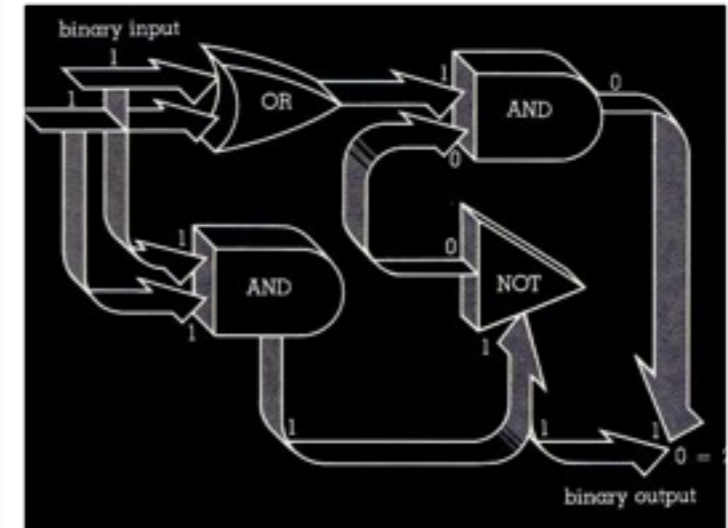
“In free software, forks often result from a schism over different goals.”

—Wikipedia



Personalities!

...especially in the technology community



Being a woman

in a male-dominated field

It's been great!

A happy woman in tech

My
been a fantastic
role model.



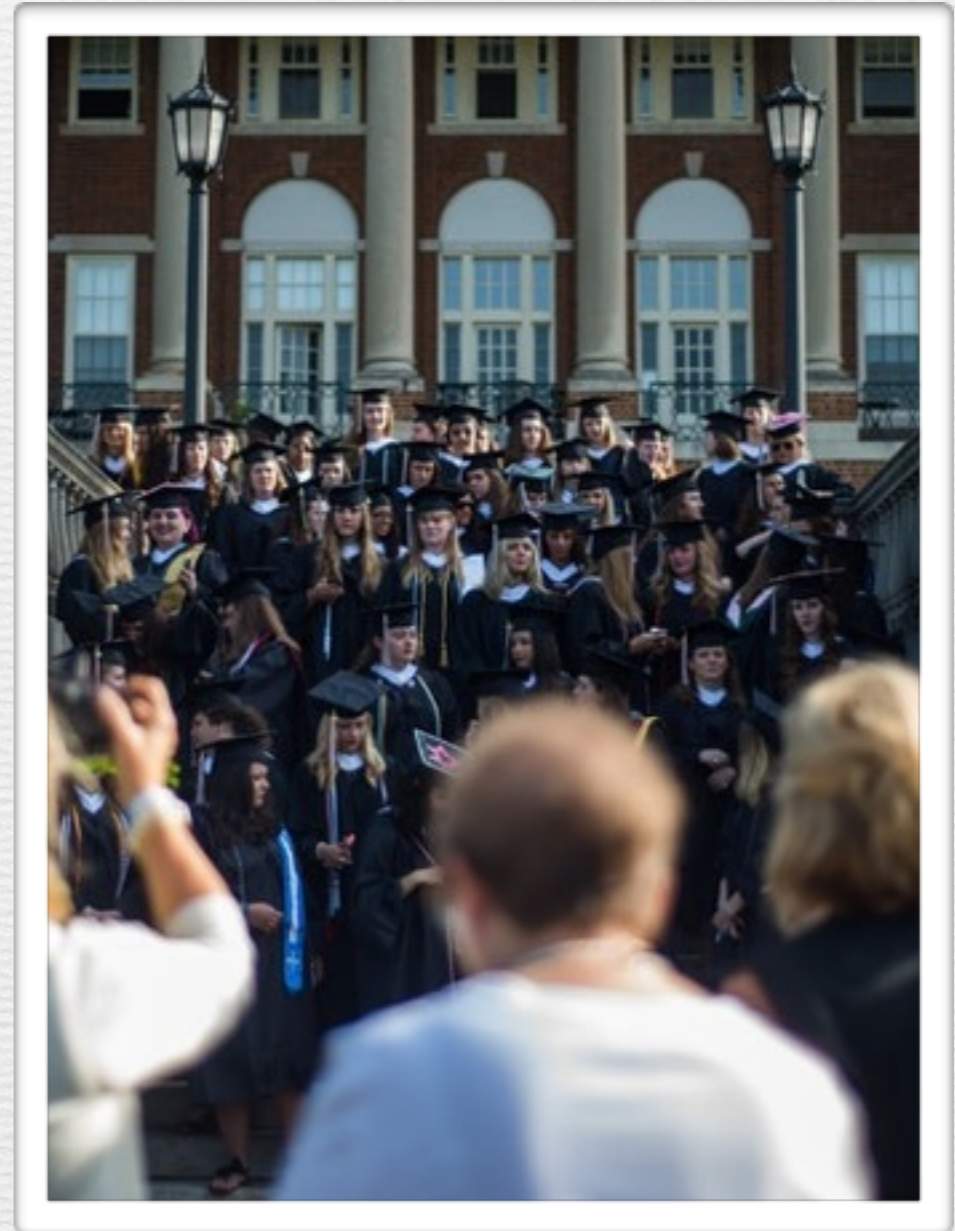
A happy woman in tech

Growing up in
the SF bay area



A happy woman in tech

Educated at a
women's college



A happy woman in tech

Surrounded by
people my age
(or younger)



Sexism is real.

Don't let it
get you down.

Thank you.

Jennifer Lea Lampton

Developer & Open Source Evangelist

Image Credits

software _____

toooldtocode _____

full circle _____

efficiency _____

cmsses _____

drupal _____

study _____

tinker <http://www.nydailynews.com/news/money/queens-auto-repair-shop-great-bear-female-force-reckoned-helm-audra-fordin-article-1.159200>

share _____

goals _____

code _____

logic _____

feelings _____

san francisco _____

sbc http://www.nytimes.com/2015/05/17/us/graduation-is-bittersweet-as-sweet-briar-college-is-likely-closing.html?_r=0

youngsters _____