



Introduction to Static Web Technology

STEVEN PRYOR

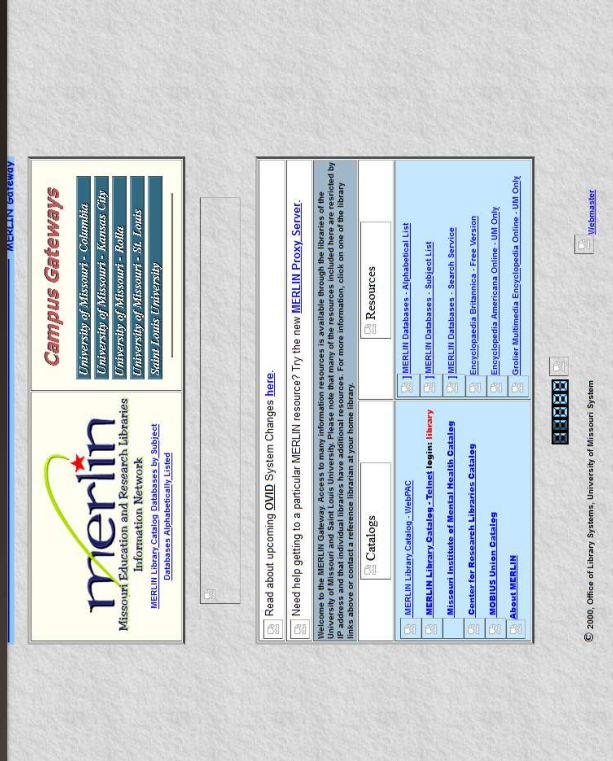
DIGITAL SCHOLARSHIP LIBRARIAN

UNIVERSITY OF MISSOURI

```

File Edit Format View Help
</head>
<body>
<center></center>
<center><table width="600" border="3" cellpadding="2" cellspacing="1" bgcolor="#ffffff" bordercolor="#00<tr>
<td colspan="2">
 <font size="2" color="00face="arial">Read about upcoming <b><u>OVID</u></b> System Changes <a href="merlin/pages/ovid_trans.htm"><b>here</b></a></td>
</tr>
<tr>
<td colspan="2">
 <font size="2" color="00face="arial">Need help getting to a particular MERLIN resource? Try the new <a href="merlin/pages/proxy.htm"><b>MERLIN Proxy Server</b></a>.
</td>
</tr>

```



Untitled-1 - X index.html x

File Edit View Insert Modify Format Commands Site Window Help

Path: C:\Documents and Settings\Admin\Desktop\blog\index.html

Title: Typograpy - Test 1

```

1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml">
4 <head>
5 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
6 <title>Typograpy - Test 1</title>
7 <style type="text/css">
8 * { margin: 0; padding: 0; border: none; color: #444; text-decoration: none; }
9 body {
10 background: url({site _ url}images/interface/background.jpg) repeat-x;
11 color: #444;
12 font-family: "Trebuchet MS", Arial, sans-serif;
13 }
14 #container {
15 background: #fff;
16 margin: 21px auto 0 auto;
17 width: 940px;
18 }
19 #header {
20 padding-bottom: 20px;
21 }
22 #logo {
23 margin: 50px 20px 10px 35px;
24 }
25 ul#navigation {
26 width: 342px;
27 font-family: Georgia, "Times New Roman", Times, serif;
28 text-align: center;
29 font-size: 14px;
30 color: #685a6;

```

INSER

Common

Hyperlink

Email Link

Named Anchor

Horizontal Rule

T=H6

CSS STYLES AP ELEMENTS

All Current

Summary for Selection

margin 0

padding 0

border none

color #444

text-decoration none

padding-bottom 20px

line-height 1.5em

About "line-height"

line-height is defined in rule "p" in inde...

Properties for "p"

line-height 1.5em

padding-bottom 20px

Add Property

Az+*+↓

FILES ASSETS

Desktop

Local Files Size Typ

Desktop

My Computer

My Network Places

FTP & RDS Servers

Desktop Items

LOG...

7K / 1 sec Unicode (UTF-8)

Font Default Font

Font Size #444

Page Properties...

List Item...

PROPERTIES

HTML Targeted Rule p

CSS Edit Rule CSS Panel

electric pulp client ...

Templates | Expre...

CoffeeCup Free FTP

DW Adobe Dreamwea...

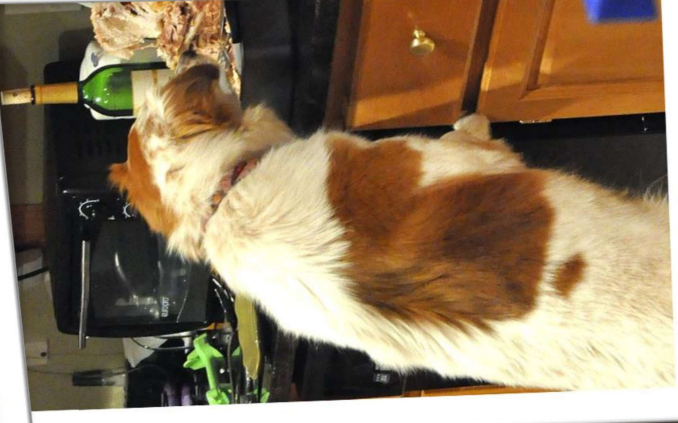
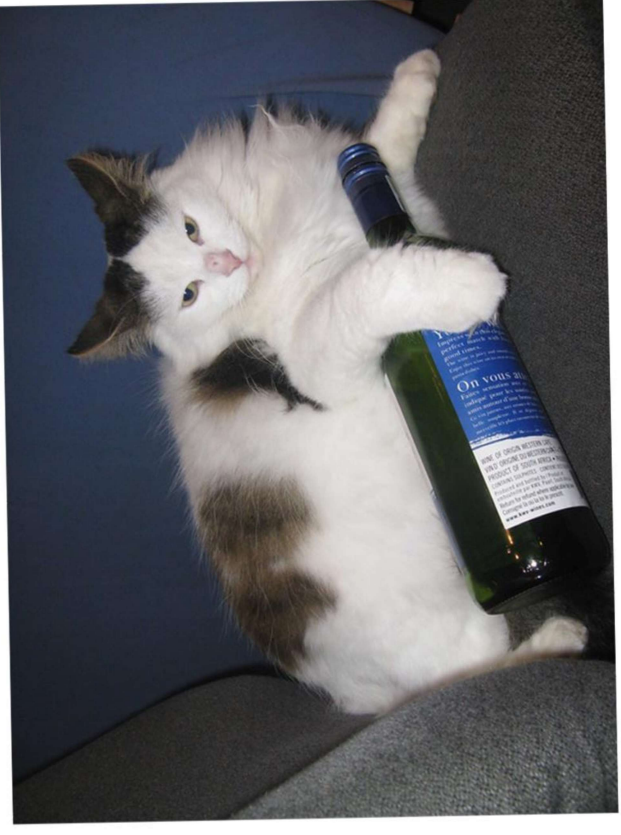
23:20

flickr-Benjamin Aljajagić





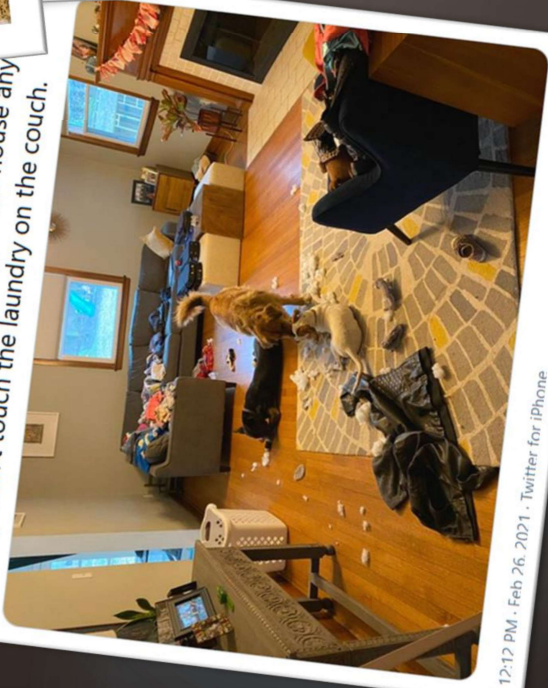
Free Puppies!



 **Fschmnn** 🐶🐱🐕 BrainCancerDiaries.com
@fschmnn

Three dogs still available for FREE!

But seriously I wish it warm up already so we can have them in the backyard cuz they clearly have no shame. At least the puppy isn't pooping in the house any more and they didn't touch the laundry on the couch.



12:12 PM · Feb 26, 2021 · Twitter for iPhone

Common Problems



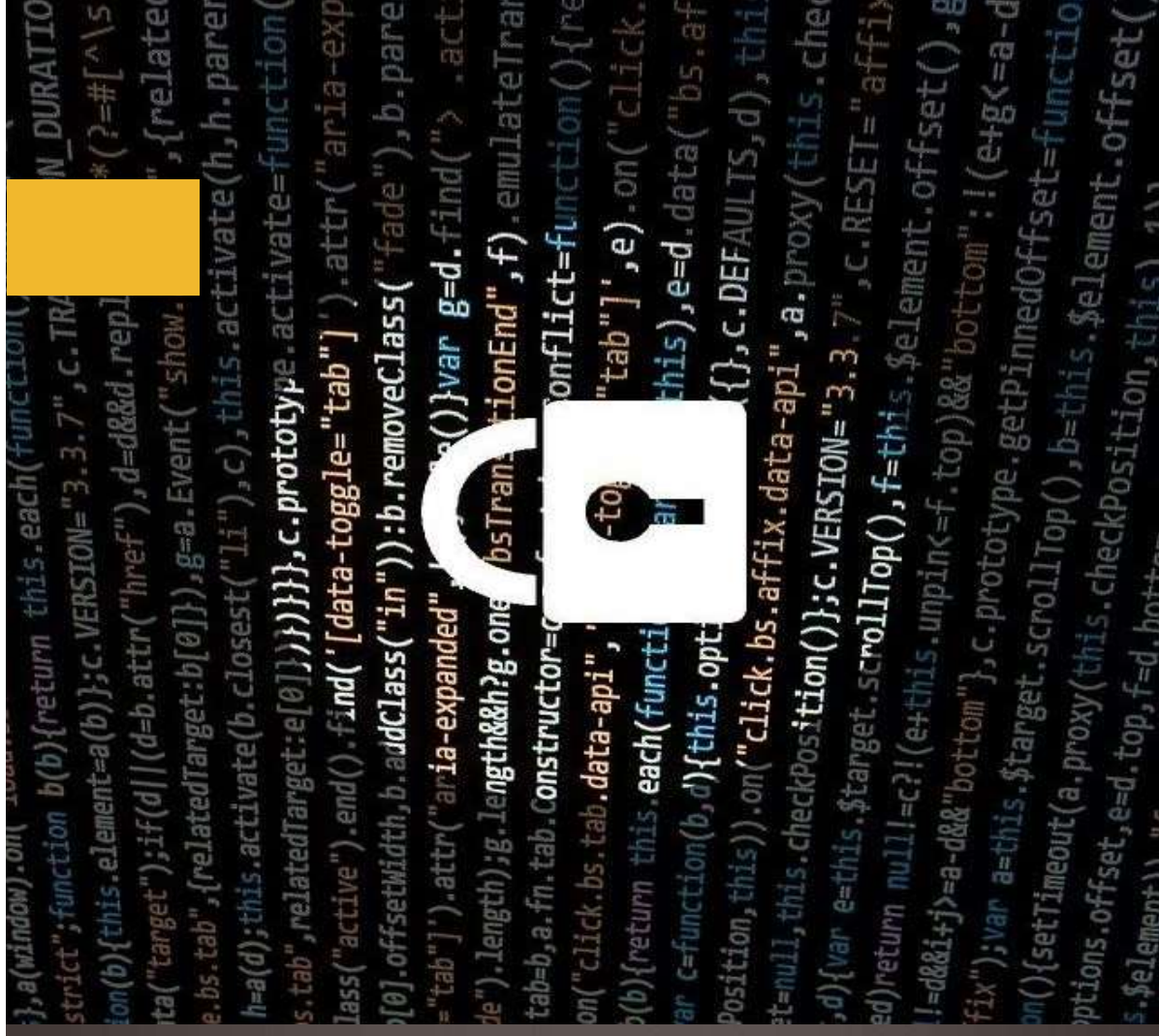
Maintenance



Performance



Security!





Danger

- ▶ Digital decay
- ▶ Security incidents can also take them offline:
 - ▶ “...two digital projects that died because their version of Scalar got infected and they just had to go in the trash can...”

Components of a “static” site



Templates



Content



Data



What's different about it?

- ▶ CMS-based or other “dynamic” (dynamically-generated) sites display pages generated at the time of request.
- ▶ For static web sites, pages are generated all at once, before they are deployed online.
 - ▶ Rendered to standard, plain HTML/CSS
 - ▶ Can still use javascript, API calls, widgets, etc. for interactivity and some degree of dynamic data

So, the old way?

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So, the old way?

- ▶ Sort of
- ▶ Generators are powerful, have their own languages or markup, and automate many repetitive actions and bits of code
- ▶ Further separation of *content* from *design*

Demonstration



Examples



q

⌕

⌕ Ancient Terracottas > Catalogue > 51 >

head of a woman

350-300 BC

Expand All

Object Details

Catalogue Number	51
Inventory Number	76.AD.34 ^{en}
Typology	Head
Location	Sicily
Dimensions	H: 28.8 cm; W: 19.1 cm; Diam (poles): 12.2 cm

Fabric

Condition

A fragment of the back of the neck has been reattached; the polychromy is worn away, and parts of the head and neck are abraded.

Provenance

<https://www.getty.edu/publications/terraccottas/catalogue/51/>

Examples

{%} CollectionBuilder

Types ▾ Get Started ▾ Pricing About



CollectionBuilder is an open source tool for creating digital collection and exhibit websites that are driven by metadata and powered by modern static web technology.

You do the Metadata.

Step 1: Describe your images, documents, and other media in a CSV spreadsheet

Item ID	Title	Description	Location	Date
1	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
2	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
3	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
4	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
5	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
6	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
7	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
8	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
9	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
10	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
11	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
12	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
13	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
14	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
15	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
16	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
17	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
18	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
19	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
20	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
21	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
22	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
23	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
24	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
25	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
26	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
27	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
28	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
29	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
30	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
31	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
32	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
33	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
34	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
35	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
36	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
37	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
38	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
39	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
40	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
41	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
42	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
43	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
44	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
45	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
46	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
47	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
48	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
49	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s
50	1850s-1900s	1850s-1900s	1850s-1900s	1850s-1900s

<https://collectionbuilder.github.io/>

Historical Japanese Ceramic Comparative Collection

Japanese ceramics from archaeological sites in the American West

</> Digital Initiatives

Home Browse Forms Subjects Glossary Timeline Data About

Search

Browse Items

Use this page to search by different attributes, such as vessel form; decoration type, method, element or color; paste type; or vessel size. To view attribute terms by frequency, visit the [Subjects page](#).

Filter ...

80 of 80 items



Saka-Bin (sake bottle) [2]

- Sake tableware
- Hanjiki (half porcelain)
- Saka-Bin (sake bottle)
- Other

Description: This Saka-bin, or Western-style sake bottle, is the smaller of the two in the AACC collection. It is made of...

Source: Asian American Comparative Collection



Sometsuke Take Chawan (bowl with cobalt hand-painted bamboo)

- Mealtime tableware
- Jiki (porcelain)
- Chawan (indeterminate bowl)
- Sometsuke (hand-painted cobalt)

Description: Based on its size and shape, this vessel sherd is likely from a large...



Doban Chawan (transferprint bowl)

- Mealtime tableware
- Jiki (porcelain)
- Chawan (indeterminate bowl)
- Iro Doban (colored transferprint)

Description: Base and footing of a rice or side bowl. Decoration is an abstract botanical design with blue trellis-like...

Downsides

- ▶ No database, no dynamic processing (yes, this is one of the strengths)
 - ▶ Means less capability for features like user accounts, personalization, ratings, recommendations, etc.
- ▶ The whole thing is built upfront (yes, this is one of the strengths...)
 - ▶ Websites with tons of data, tons of items, might have “pages” that never get requested. A collection with millions of items, for example, may be quite a bit less efficient to do this way.

Links

- ▶ Using Static Site Generators for Scholarly Publications and Open Educational Resources, Code4Lib, Issue 42, 2018-11-08 [Link](#)
- ▶ CollectionBuilder [Link](#)
- ▶ Getty Publications, Quire [Link](#)
- ▶ Jekyll, Getting Started, Step-By-Step Tutorial [Link](#)
- ▶ Github pages (<https://pages.github.com/>) or Netlify are popular hosting options. Not a personal endorsement, but they're popular, and also have guides and tutorials on building this kind of site...the rendered HTML/CSS/JS can be hosted almost anywhere (some hosts can be set up to handle some of the build process as well)



Thank You!

STEVEN PRYOR

PRYORS@MISSOURI.EDU