Introduction to Static Web Technology STEVEN PRYOR

DIGITAL SCHOLARSHIP LIBRARIAN

UNIVERSITY OF MISSOURI

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</head>
<body>
<center><img src="http://library.missouri.edu/merlin/images/merlin bar.gif" width="500" height="50"></ce</pre>
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<img src="http://library.missouri.edu/merlin/images/q_man.gif" align="middle"> <font size="2" color="000"</pre>
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href="merlin/pages/ovid trans.htm"><b>here</b></font></a>.
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<img src="http://library.missouri.edu/merlin/images/q_man.gif" align="middle"> <font size="2" color="000</pre>
face="arial">Need help getting to a particular MERLIN resource? Try the new <a
href="merlin/pages/proxy.htm"><b>MERLIN Proxy Server</b></font></a>.
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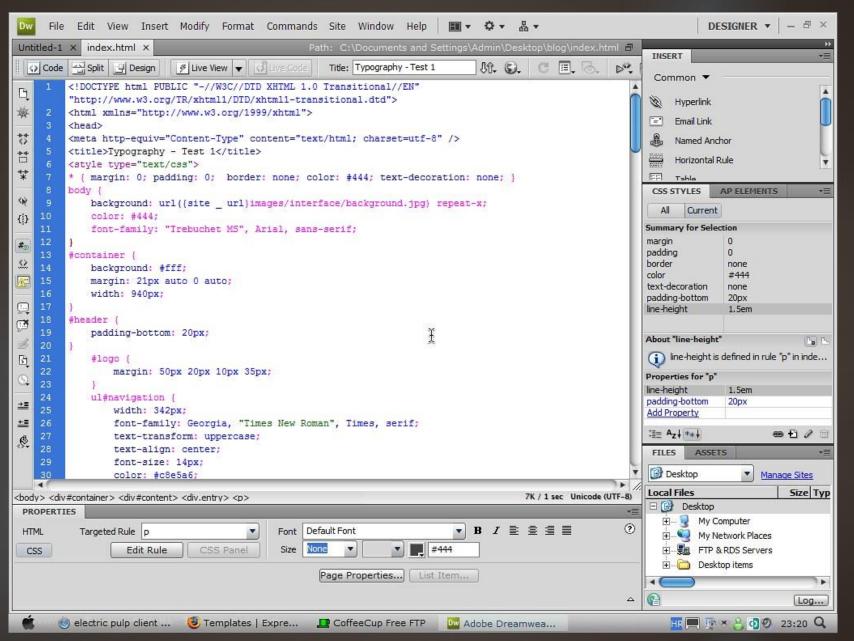
MERLIN Library Catalog Databases by Subject

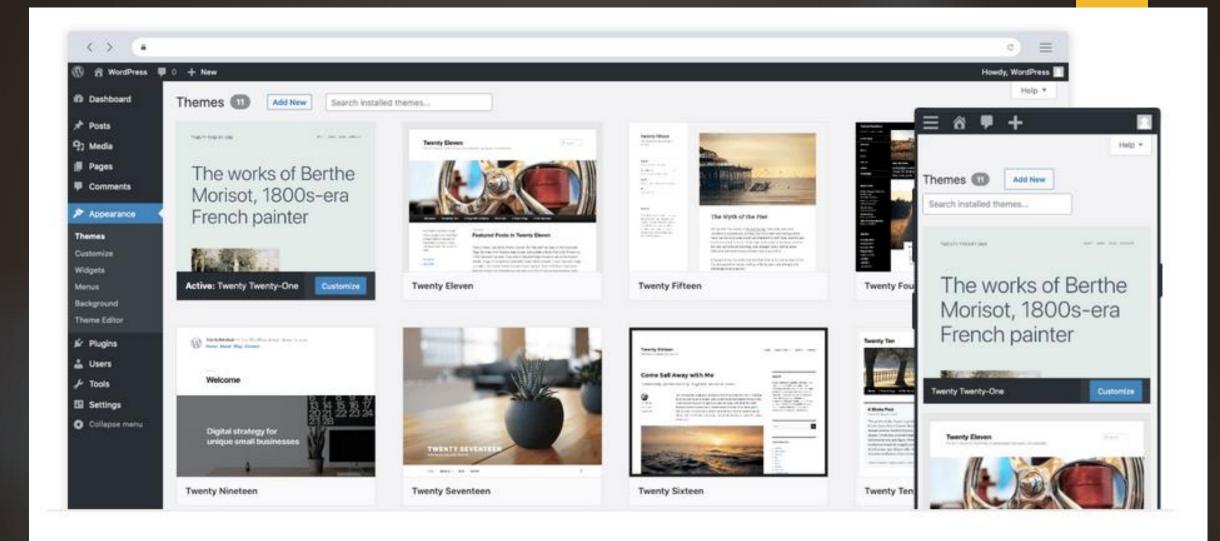
Campus Gateways

A	77.25		16,418		

Read about upcoming OVID System Changes here.								
Need help getting to a particular MERLIN resource? Try the new MERLIN Proxy Server.								
Welcome to the MERLIN Gateway Access to many information resources is available through the libraries of the University of Missouri and Saint Louis University. Please note that many of the resources included here are resricted by IP address and that individual libraries have additional resources. For more information, click on one of the library links above or contact a reference librarian at your home library.								
☐ Catalogs	Resources							
MERLIN Library Catalog - WebPAC	MERLIN Databases - Alphabetical List							
MERLIN Library Catalog - Telnet login: library	MERLIN Databases - Subject List							
Missouri Institute of Mental Health Catalog	MERLIN Databases - Search Service							
Center for Research Libraries Catalog	Encyclopaedia Britannica - Free Version							
MOBIUS Union Catalog	Encyclopedia Americana Online - UM Only							
About MERLIN	Grolier Multimedia Encyclopedia Online - UM Only							

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Three dogs still available for FREE!

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











Eickemeyer

Common Problems



Maintenance



Performance



Security!

```
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                                                     ,{relate
 e.bs.tab",{relatedTarget:b[0]}),g=a.Event("show.
h=a(d);this.activate(b.closest("li"),c),this.activate(h,h.pare)
 s.tab",relatedTarget:e[0]})})}}},c.prototype.activate=function(
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et=null,this.checkPosition()};c.VERSION="3.3.7",c.RESET="affi)
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ed)return null!=c?!(e+this.unpin<=f.top)&&"bottom":!(e+g<=a-d
!=d&&i+j>=a-d&&"bottom"},c.prototype.getPinnedOffset=functio
fix");var a=this.$target.scrollTop(),b=this.$element.offset(
on(){setTimeout(a.proxy(this.checkPosition thic) all
options.offset,e=d.ton f=d botton
```

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



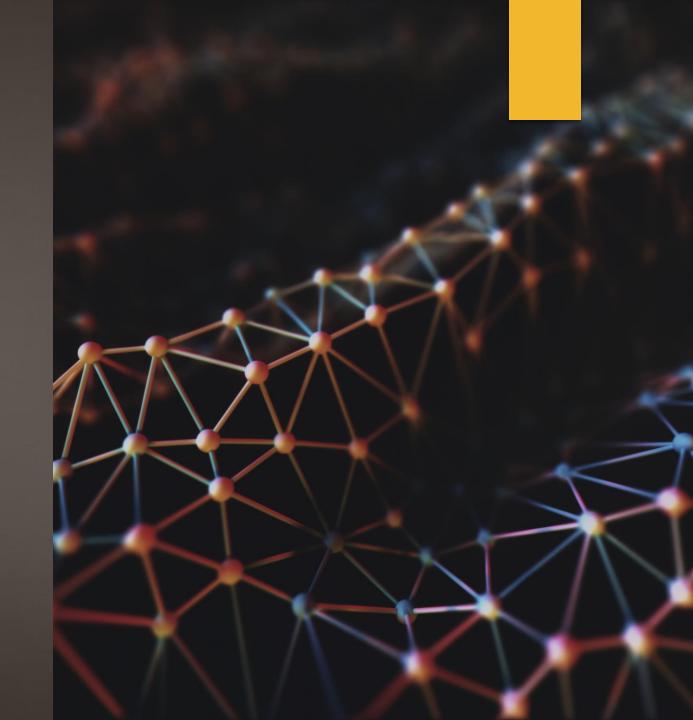
Templates



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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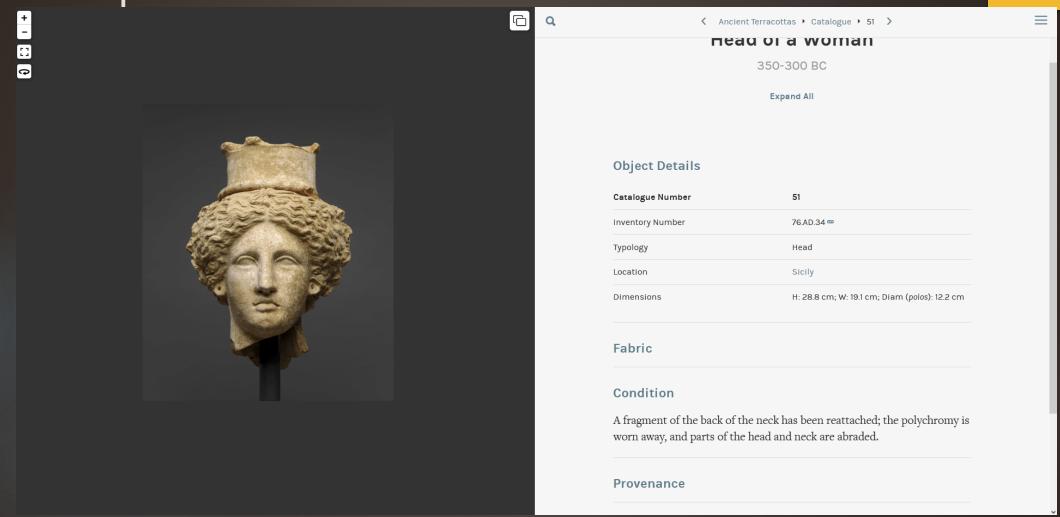
Sort of

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

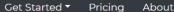


https://www.getty.edu/publications/terracottas/catalogue/51/

Examples

(%) CollectionBuilder



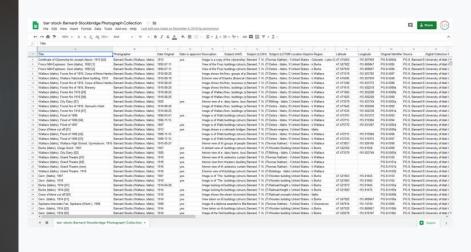








CollectionBuilder is an open source tool for creating digital collection and exhibit websites that are driven by metadata and powered by modern static web technology.



You do the Metadata.

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

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

Q

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 ...

Search

Reset

80 of 80 items



Saka-Bin (sake bottle) [2]

Hanjiki (half porcelain)

Saka-Bin (sake bottle)

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 footring 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 <u>Link</u>
- Jekyll, Getting Started, Step-By-Step Tutorial <u>Link</u>
- 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