



Six Easy Pieces for the New Front-end Development

John Albin Wilkins



NEW ORLEANS
DRUPALCON 2016

Thank you!



IMAGEX





Six Easy Pieces for the New Front-end Development

John Albin Wilkins



Four Easy Pieces, Two Actually Quite Hard Pieces that I didn't finish, and One Crazy New Idea about Drupal and Twig Components for the New Front-end Development

John Albin Wilkins



Where are we going?



HC SVNT
DRACONES



Isles of NPM Installs



Ye Olde
Selector Hill

PENINSULA
OF PH

Frantendia

SEA OF
SPECIFICITY

5 Pillars of Front-end Development

- ❖ **Progressive Enhancement**
- ❖ **Accessibility**
- ❖ **Front-end Performance**
- ❖ **Reusable Components**
- ❖ **Automation**





IDA LEWIS.

*Find your
own path*

Strategies



Steal



Iterate



Test



Share





The Component

Piece #1

The Component

- ❖ **Contains:**
HTML (twig),
CSS (Sass),
JavaScript
- ❖ **Repeatable**
(even if never repeated)
- ❖ **Specific**
Replace CSS specificity
with specific names
- ❖ **Self contained**
Styles do not bleed onto
anything else
- ❖ **Nest-able**

johnalbin.github.io/flower-power





The Twig, The Sass, And The Fugly

Piece #2

The Fugly Selector

```
.feature__title a {  
  &:link,  
  &:visited {  
    @extend %feature__title-link;  
  }  
  &:hover,  
  &:focus {  
    @extend %feature__title-link-is-hover;  
  }  
}
```

Selector in DOM
I couldn't change

Class name I wish
I could use in DOM





Noodling with JavaScript Tooling

Piece #3

NPM: The Node.js Package Manager

[github.com/kss-node/kss-node/wiki
/npm-quick-start-guide](https://github.com/kss-node/kss-node/wiki/npm-quick-start-guide)

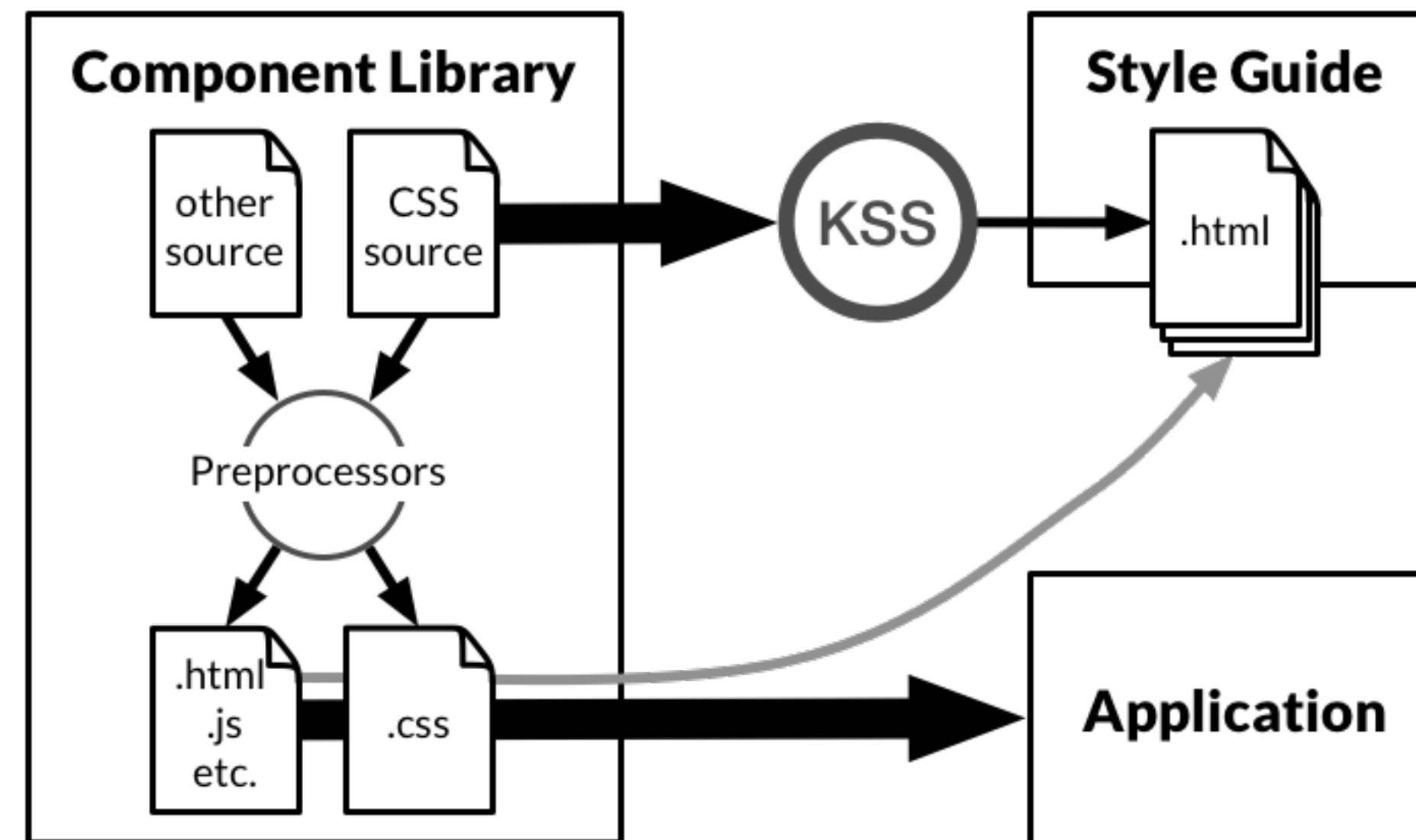




Style Guides at the Center

Piece #4

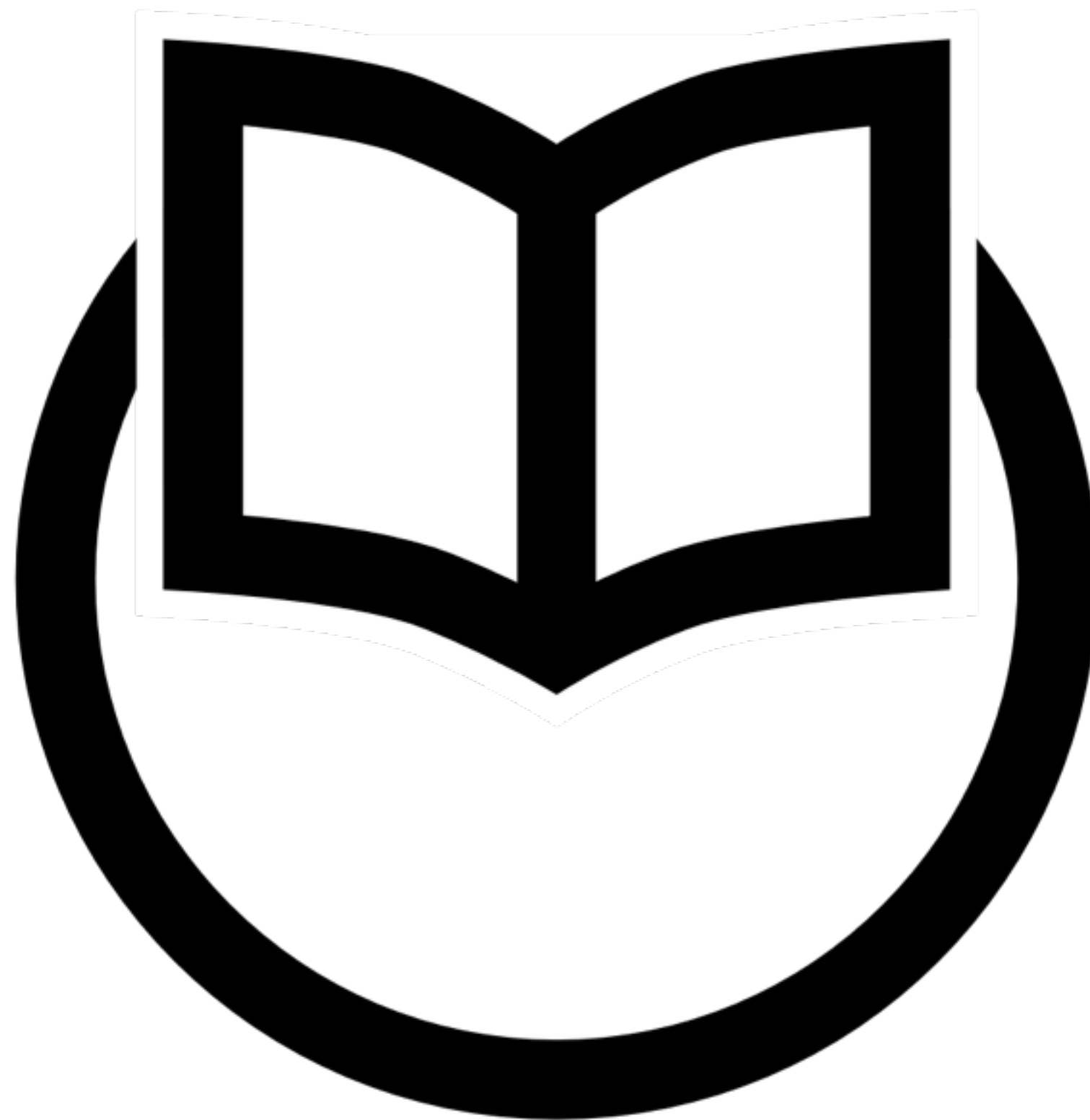
Style-Guide-Centric Development



[events.drupal.org/losangeles2015/sessions
/style-guide-driven-development-all-hail-robot-overlords](https://events.drupal.org/losangeles2015/sessions/style-guide-driven-development-all-hail-robot-overlords)



Style-Guide-Centric Development





Testing for Success

Piece #5

Style Guide and Visual Regression BOF

TODAY, 1pm-2pm
Room 265-266

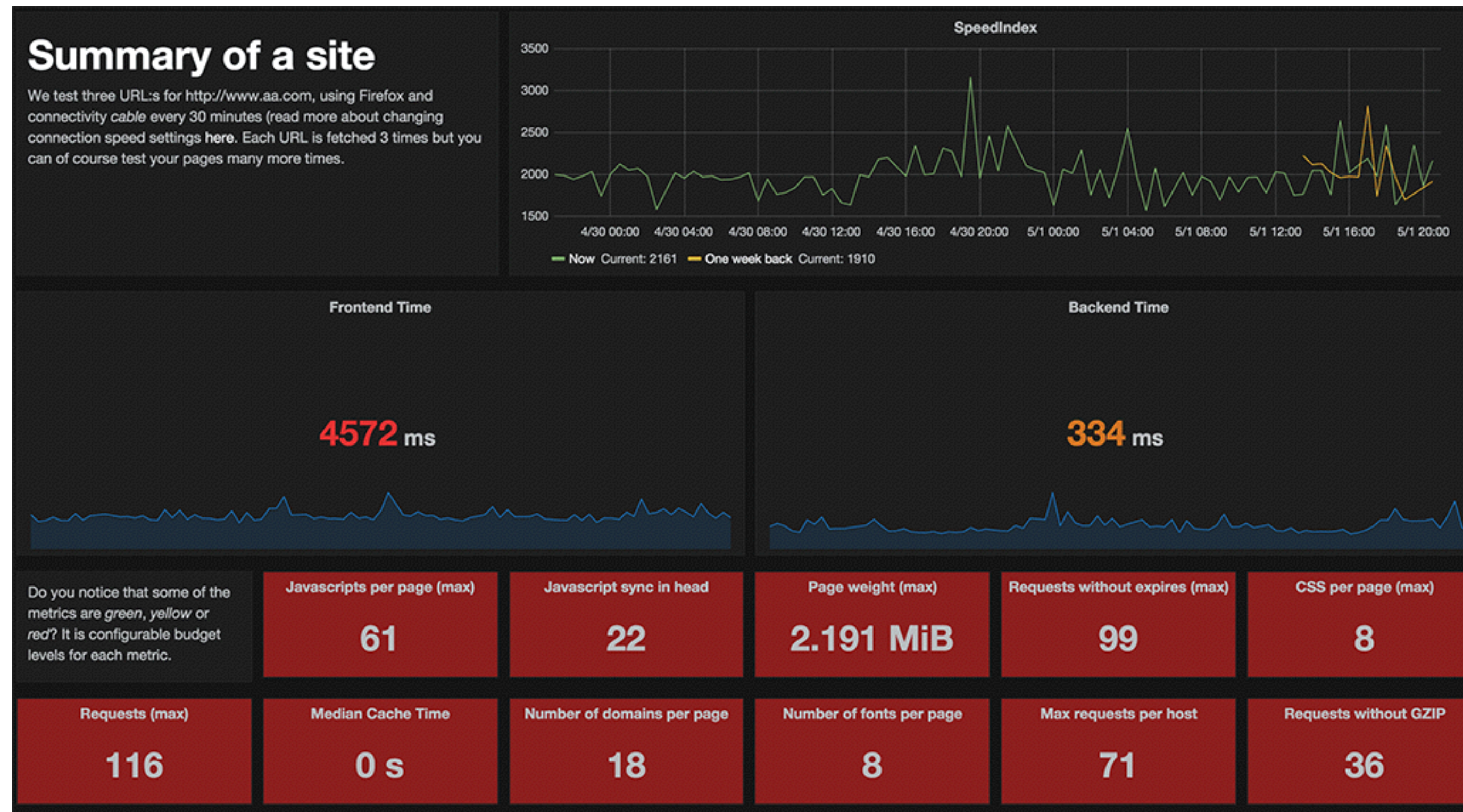




Budgeting for Performance

(The Actually Quite Hard) Piece #6

Tracking Performance Budgets with www.sitespeed.io





The D8 Twig Component Library Idea

Piece #7

What's wrong with D8's .html.twig files?

- ❖ **File names**
- ❖ **Directory names**
- ❖ **Variable names**



The Zen Theme and the art of Component Libraries with Twig and Drupal 8

THURSDAY, 2:15pm-3:15pm
Room 291





So How Was It? - Tell Us What You Think

Evaluate this session - bit.ly/six-easy-pieces



Thanks!