



DrupalGov

Canberra 2014

# The New ~~Front-end~~ Work Flow: from ticketing to building

John Albin Wilkins  
Senior Front-end Developer  
PreviousNext



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*Canberra 2014*

# The New Website Work Flow: from ticketing to building

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# Prehistory

1992: Gopher rules the earth



## 1993: HTML 1.0

- I'm a web master!
- Cutting-edge design is:  
`<img align="right">`



# Bronze Age

1995: HTML 2.0

- Every page is a snowflake!

1996: CSS 1

1997: HTML 3.2

1998: CSS 2

1999: HTML 4.0



# Renaissance

— 2000: *Some* browsers add CSS

— 2001: “To Hell with Bad Browsers”

- Design is in one CSS file and shared by all web pages.
- Small sites have 2 designs: homepage and “content” pages.





## 2007: Zen theme

- I make it “big”!
- Large projects require planning.



# Typical tickets

SITE FEATURES	BACK-END	FRONT-END
Events page	build	theme
Blog	build	theme
White papers	build	theme
Podcast	build	theme



# Time spent

SITE FEATURES	FRONT-END	Estimate ↓
Events page	theme	
Blog	theme	1x
White papers	theme	1x
Podcast	theme	2x



Design has a  
1-to-many relationship  
with features



# Time spent

SITE FEATURES	FRONT-END
Events page	theme
Blog	theme
White papers	theme
Podcast	theme

Estimate  
↓

**2x**

**1x**

**1x**

**2x**

Actual  
↓

**5x**

**0x**

**0x**

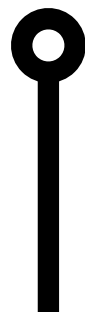
**1x**



Seemed like a good idea  
at the time.



The average completion time  
*is a terrible estimate.*





# Industrial revolution

2009: OOCSS

2012: SMACSS

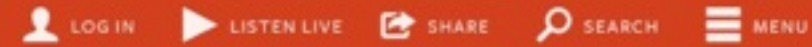
2012: Web components



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# What are Design Components?

- “Component” is the same as...
- “Object” in OOCSS
- “Module” in SMACSS
- “Block” in BEM’s Block-Element-Modifier
- “UI Pattern”



# Goals of Design Components

- Reduce CSS specificity
- Reduce applicability by increasing specificity of CSS class name
- Improve maintainability



# Design Component

One class == one consistent style

**.navbar**

**.button**

**.watermark**

**.tabs**

**.teaser**

**.bio**

**.more-link**

**.side-nav**

**.breaking-news**

**.pager**



# Styleguide Driven Development



kss-node

[github.com/kss-node/kss-node](https://github.com/kss-node/kss-node)





Thank you!



# Questions?

