5-2018

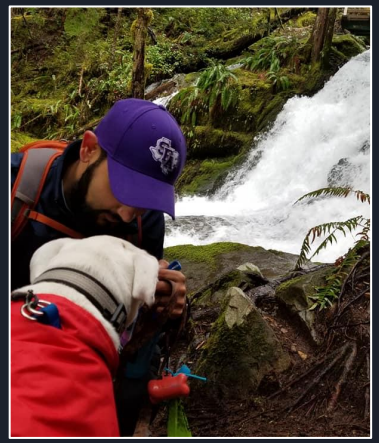
Documenting Accessibility

Eric Nambo
Portland State University, nambo@pdx.edu

Documenting Accessibility

Eric Nambo, IT Accessibility Coordinator,
Portland State University

Eric Nambo



Genesis: Reviewing Axy Design Patterns... using only still images?

What is this presentation?

1. How mapping ARIA (Axbl Rich Internet Application) design patterns
2. to storyboard & components
3. created rough style guides and pattern libraries to foster predictable, accessible web experiences.

Who is this for?

- Want more from documentation
- Documenting new / innovative web experiences
- The Designer <-> Developer “in-betweeners”

Lessons Learned

1. Simple definition of axy
2. Self-evident vs self-explanatory
3. Documentation = self-explanatory
4. Future applications?

1) Simple Definition

What is this?

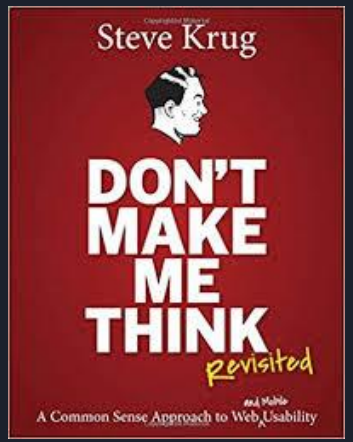
What does it do?

2) Self-Evident vs Self-Explanatory

- **Goal of technology is to be *self-evident*;**
  - “average user will know what it is, and how to use it.”

When not feasible, make it self-explanatory.

  - Where documentation comes in.



3) Documentation = Self-Explanatory

Style Guides (e.g. material.io)

Dictates

- Hierarchy
- Consistency
- “Names”
- UI Components
- E.g. label

“What is this?” clues.

Pattern Libraries (e.g. WAI)

Establishes

- Expected outcomes when interacting with components.
- Conext to information / hierarchy.
- E.g. form.

“What does this do clues.

Our Nickname	Intended Use	Industry Termonday	Expected Behavior
"Term"	Groups information that can be moved into other groups	"Feed" - infinite scrolling info https://www.w3.org/TR/wai-aria-practices-1.1/#feed	- info is purely text
		or	
		✓ "Grid" - container w/ interactive elements	- ✓ directional kbd support - interaction

https://www.w3.org/TR/wai-aria-practices-1.1/#grid

Layout Grids for Grouping Widgets §

The `grid` pattern can be used to group a set of interactive elements, such as links, buttons, or checkboxes Since only one element in the entire grid is included in the tab sequence, grouping with a grid can dramatically reduce the number of tab stops on a page. This is especially valuable if scrolling through a list of elements dynamically loads more of those elements from a large data set, such as in a continuous list of suggested products on a shopping site. If elements in a list like this were in the tab sequence, keyboard users are effectively trapped in the list. If any elements in the group also have associated elements that appear on hover, the `grid` pattern is also useful for providing keyboard access to those contextual elements of the user interface.

What kind of elements are in a grid?

"Course" review course info "Card"

When to use

Use a card layout when displaying content that:

- As a collection, comprises multiple data types, such as images, movies, and text
- Does not require direct comparison (a user is not directly comparing images or text)
- Supports content of highly variable length, such as comments
- ✓ Contains interactive content, such as +1 buttons or comments
- Would otherwise be in a grid list but needs to display more content to supplement the image

Step 3: Pass Notes to Devs

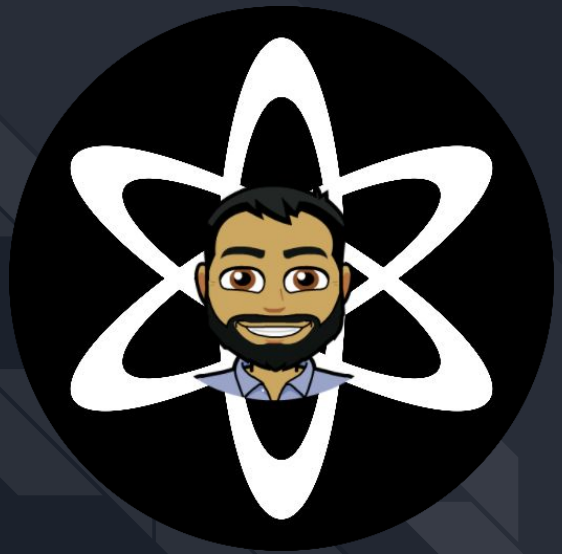
- "What elements and Attributes should I use to make this a×s!?"
- notes give Devs a ton of context (what is this + what does it do)

to programmatically assoc labels to form elements

4) Future applications?

- Better note taking for designers helps developers understand context (and pick appropriate programmatic solutions).
- Creates a base layer "OER" documentation that accepts other skins on top.
- What is this + What does it do = user experience...
  - ...pattern libraries =?= expected behaviors...
  - Expected behavior of technology + modifying them == Behavioral psychology of machines?
  - AI? Machine Learning?

Thanks!
Eric Nambo



Contact information

- nambo@pdx.edu
- 503.725.9119