# The Keys To An Accessibility Mindset

DANIEL YUSCHICK

### Table Of Contents

- 1 Relating To Accessibility
- The POUR Principles Of Accessibility
- The Keys To An Accessibility Mindset
- 4 Questions & Resources



## Relating To Accessibility

Accessible Design
Is Good Design



### The Benefits Of Responsive Design

Are The Benefits Of Accessible Design

- → Requires cross-team collaboration
- → Is never 'done'
- → Benefits an ever-expanding audience
- → Directly impacts conversion and sales
- → A person expects their hardware to be supported

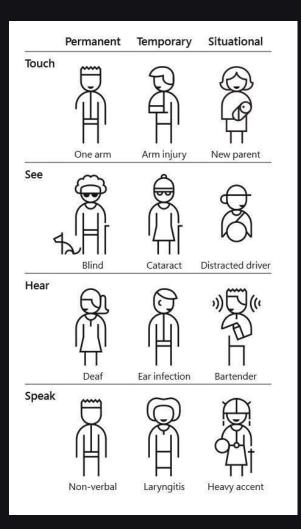
→ Products only require responsive design

Tell Me Why



### Web Accessibility is

Fundamentally Misunderstood



# The POUR Principles Of Accessibility



### The POUR Principles Of Accessibility

Р

#### Perceivable

Providing content that can be interpreted in layers by multiple senses.



### Operable

Ensuring content and experiences are interactive for multiple device types.

- → Images with descriptive alternative text
- → Videos with captions and/or subtitles
- → Indicating state with more than just color

- → All functionality available by mouse must be available by keyboard
- → Visible and consistent focus states on all interactive elements
- → All pages have clear titles with descriptive, sequential headings

### The POUR Principles Of Accessibility



#### Understandable

An experience that can be reliably navigated with simple content written for the audience.



#### Robust

Creating content that can be accessed by a wide set of devices and platforms.

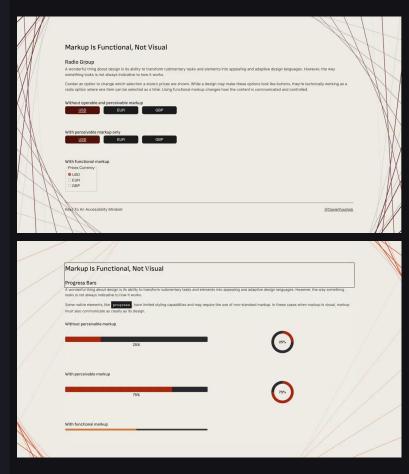
- → Defining content language(s)
- → Consistent landmarks, like navigations
- Error messages are descriptive and, when possible, actionable

- → Validating the rendered HTML to ensure it can be reliably interpreted by devices
- → Using markup to assign names and roles to non-native elements

# The Keys To An Accessibility Mindset

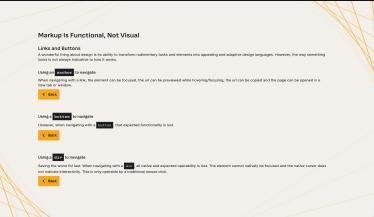
### Markup Is Functional

**Not Visual** 



### If You Can Do It With A Mouse

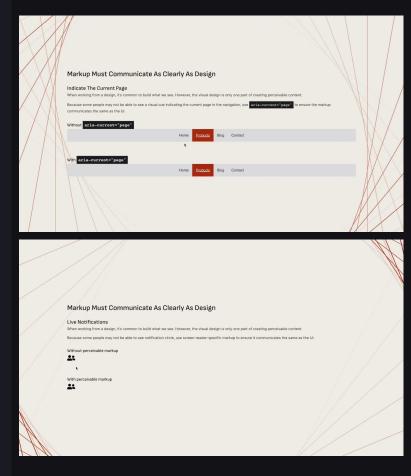
You Can Do It With A Keyboard



Visit CodePen Dem

## Markup Must Communicate

As Clearly As Design



## How To Know When Content Needs Perceivable Markup

- 1 When design visually communicates state

  E.g. Active page, active tab, loading, disabled
- When information is outside the flow of content E.g. Toast message, dialogs, error messages, tooltips
- When content is dynamic or live *E.g. Notifications, chat, tabs*
- 4 When recreating standard elements

  E.g. Progress bars, accordions, select menus



Use More Than Color

To Indicate State





## Recap

### Recap

- 1 Perceivable, Operable, Understandable, Robust
- Markup Is Functional, Not Visual
- If A Mouse Can Do It, So Must A Keyboard
- 4 Markup Must Communicate As Clearly As Design
- 5 Use More Than Color To Indicate State



## Questions & Resources

### Resources

- <u>CodePen Demos Collection</u>
- W3 Understanding WCAG 2.2
- <u>W3 Web Accessibility Principles</u>
- <u>Layman's Accessibility Checklist</u>
- Accessible Error Messaging Wix
- Microsoft Inclusive Design
- Axe Dev Tools
- Axe VSCode Linter
- <u>A11y Color Contrast Figma Plugin</u>
- Build & Test Accessible Web Apps Course Marcy Sutton
- <u>Learn Accessibility Course Carie Fisher</u>
- <u>Practical Accessibility Course Sara Soueidan</u>



# Thank You!

@DANIELYUSCHICK