Web Design

Principles of Accessibility
Overview of Tools

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Who are you?

Please, stop me and ask questions

- In one hour I can not explain how to make an "accessible" website.
- In one hour I can not teach how to check if a website passes accessibility standards.
- A little knowledge about web accessibility can cause *more* problems than no knowledge.

- A framework for thinking about web accessibility.
- Enough knowledge so you can go out and learn what you need to learn.
- Tricks to simplify thinking about web accessibility.

Warning

This talk contains opinions.

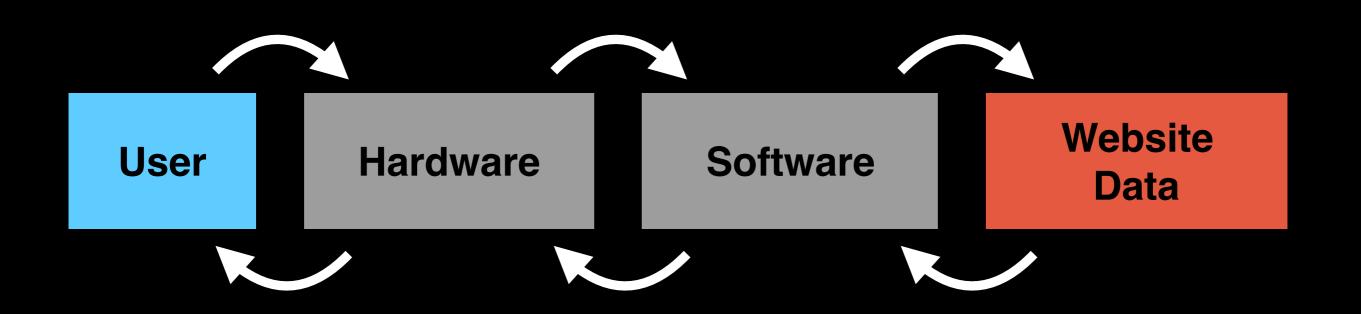
What is web accessibility?

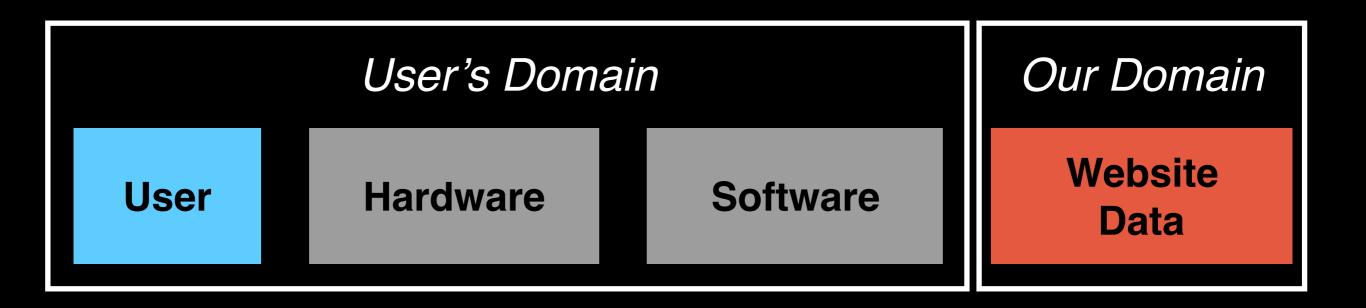
Accessible for whom, and how?

Web Accessibility

Making websites which users with disabilities can understand and interact with.

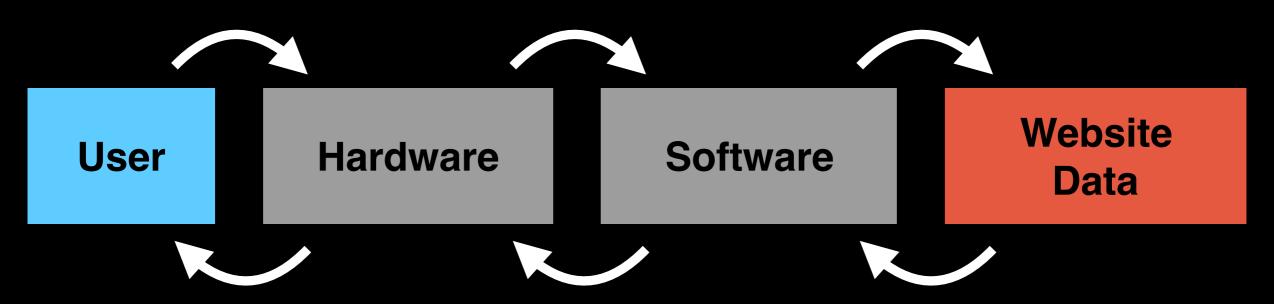
"Standard" Interaction

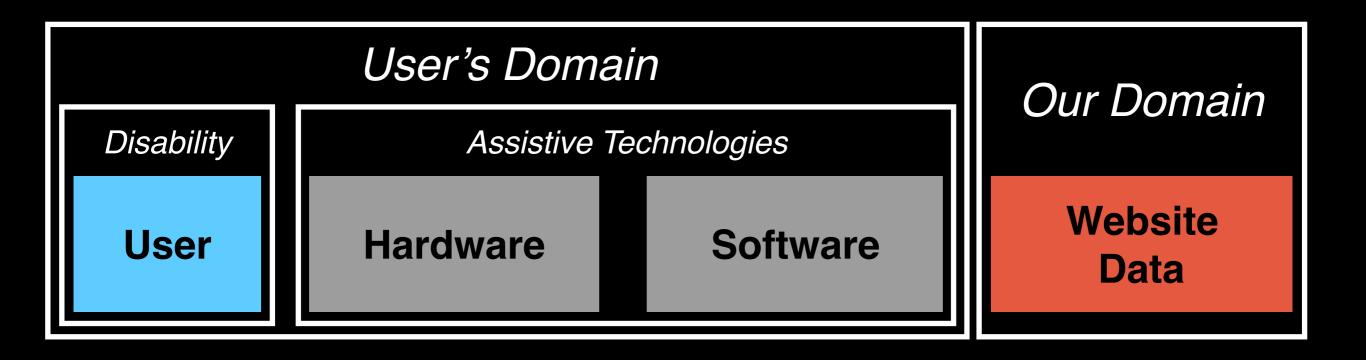




Disability

Accessibility is a consideration at every step of the chain





Web Accessibility

Making websites which users with disabilities can understand and interact with.

This is pretty ableist.

Computers are not inherently inaccessible.

The world wide web is not inaccessible.

We make hardware, software and data which is inaccessible.

Web Accessibility

Making websites which users can understand and interact with.

Web Accessibility vs. Usability

There is more to web accessibility than technology.

When does web accessibility happen?

Planning

Prevent wasted effort and establish priorities.

While designing and writing content

Minimize the likelihood that auditing will catch problems.

Auditing

The only requirement.

Let's make stuff accessible!

Content

Only give authors just enough to do their job.

Offer everything else as a service.

Avoid academic or library speak.

Properly encode abbreviations.

<abbr title="___">

Design

Bake accessibility into your design guidelines.

Stick to your design guidelines.

Do design checks frequently.

Err on the side of one design.

Universal Design, Responsive Design, Adaptive Design, etc.

Implementation

Add accessibility checks to code reviews.

Should you ever release anything without first checking it?

Build a network of experts instead of teaching everyone.

Be wary of hacks.

Favor testing over trusting.

Tools

Standards

Yup, standards are tools.

HTML

WAI-ARIA

Web Accessibility Initiative Accessible Rich Internet Applications

WCAG 2.0

Web Content Accessibility Guidelines

WCAG 1.0 and Section 508

VPATs

Voluntary Product Accessibility Template

Testing

Here be dragons

Manual vs. Automated

Paid vs. Free

False Positives vs. False Negatives

Color Contrast

Color Contrast



1954, Vogue (Henry Clarke)

Are you testing something which users really do?

Will fixing this cause more problems?

Not all assistive technologies work the same.

Assistive technologies have bugs.

Is your testing biased?

What is the real problem?

(secrets)

Website users do not care about your library's culture.

Try considering assistive technologies last.

User testing is not a panacea.

Simplify.

Always be learning.

Go learn!

WCAG 2.0

HTML semantics

Read blog posts

Join mailing lists

Training

Share!

Questions?

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