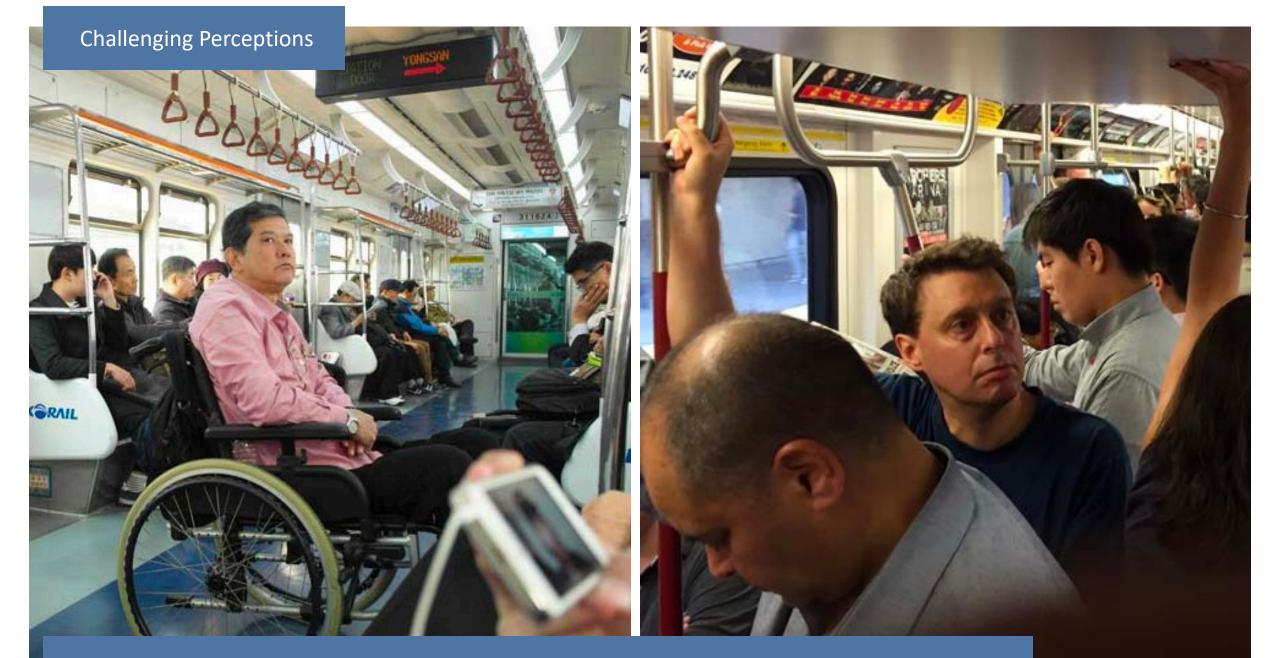
Accessibility Best Practices in Storyline

Simon Taghioff *Product Manager, Articulate @staghioff*

How to think.

the second



In this moment, the person on the right is less able to take a course than the person on the left



Disability as Contextual



Thinking broadly

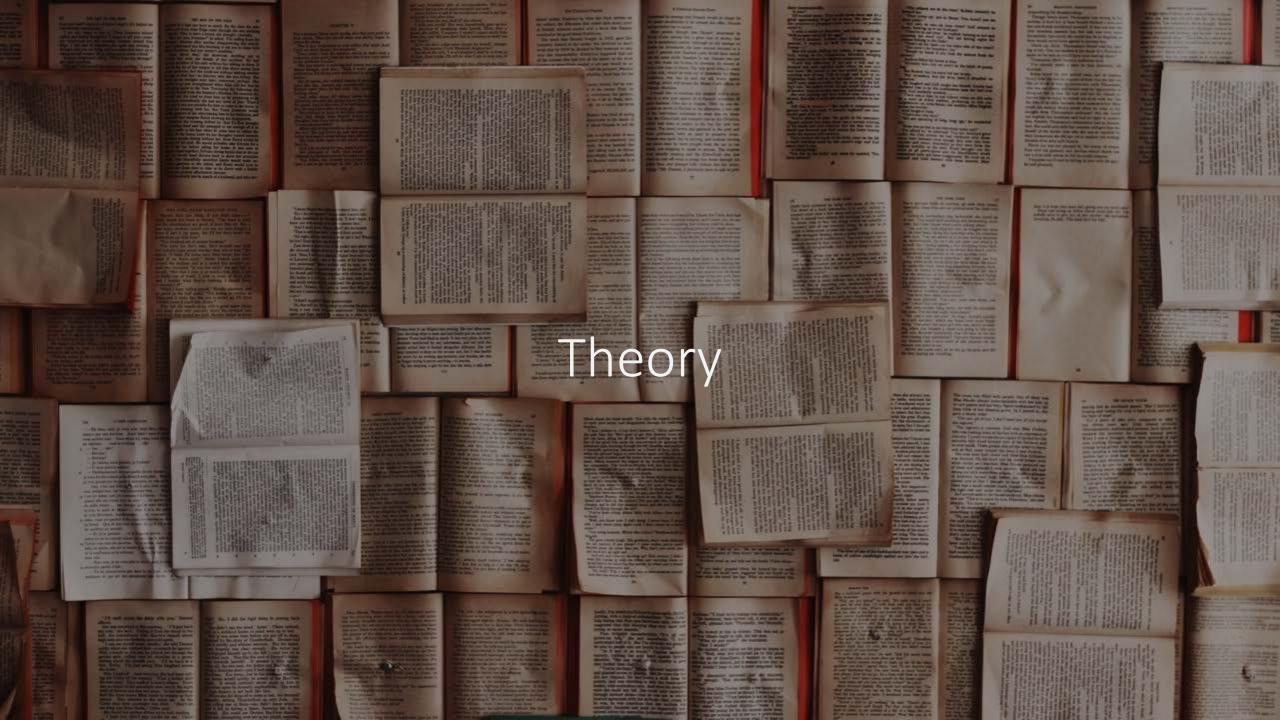






Accessibility needs may be invisible, situational, temporary etc.





1. Perceivable

- 1.1 Text Alternatives
- 1.1.1 Non-text Content
- 1.2 Time-based Media
- 1.2.1 Audio-only and Video-only (Prerecorded)
- 1.2.2 Captions (Prerecorded)
- 1.2.3 Audio Description or Media Alternative (Prerecorded)
- 1.2.4 Captions (Live)
- 1.2.5 Audio Description (Prerecorded)
- 1.2.6 Sign Language (Prerecorded)
- 1.2.7 Extended Audio Description (Prerecorded)
- 1.2.8 Media Alternative (Prerecorded)
- 1.2.9 Audio-only (Live)
- 1.3 Adaptable

1.3.1 Info and Relationships

- 1.3.2 Meaningful Sequence
- 1.3.3 Sensory Characteristics
- 1.3.4 Orientation
- 1.3.5 Identify Input Purpose
- 1.3.6 Identify Purpose
- 1.4 Distinguishable
- 1.4.1 Use of Color
- 1.4.2 Audio Control
- 1.4.3 Contrast (Minimum)
- 1.4.4 Resize text
- 1.4.5 Images of Text
- 1.4.6 Contrast (Enhanced)
- 1.4.7 Low or No Background Audio

1.3.2 Meaningful Sequence — Level A

When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.

O Understanding 1.3.2

 Hide techniques and failures for 1.3.2 	🖸 Sufficient	Advisory	Failures
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Sufficient Techniques

Note: Other techniques may also be sufficient if they meet the success criterion. See Understanding Techniques.

- G57: Ordering the content in a meaningful sequence
- Marking sequences in the content as meaningful AND G57: Ordering the content in a meaningful sequence using one of the following techniques:
 - · H34: Using a Unicode right-to-left mark (RLM) or left-to-right mark (LRM) to mix text direction inline
 - · H56: Using the dir attribute on an inline element to resolve problems with nested directional runs
 - · C6: Positioning content based on structural markup
 - C8: Using CSS letter-spacing to control spacing within a word
- · C27: Making the DOM order match the visual order
- · FLASH15: Using the tabIndex property to specify a logical reading order and a logical tab order in Flash
- PDF3: Ensuring correct tab and reading order in PDF documents
- SL34: Using the Silverlight Default Tab Sequence and Altering Tab Sequences With Properties

Advisory Techniques

- · Using left-justified text for languages that are written left to right and right-justified text for languages that are written right-to-left (future link)
- · Providing a link to linearized rendering (future link)
- · Providing a style switcher between style sheets that affect presentation order (future link)

Failures

- F1: Failure of Success Criterion 1.3.2 due to changing the meaning of content by positioning information with CSS
- · F32: Failure of Success Criterion 1.3.2 due to using white space characters to control spacing within a word
- F33: Failure of Success Criterion 1.3.1 and 1.3.2 due to using white space characters to create multiple columns in plain text content
- F34: Failure of Success Criterion 1.3.1 and 1.3.2 due to using white space characters to format tables in plain text content
 - riterion 1.3.2 due to using an HTML layout table that does not make sense when linearized

The WCAG – Overwhelming for beginners!

SHARE A BACK TO TOP

WCAG – Make it POUR

Perceivable

Operable

Understandable

Robust

https://www.w3.org/WAI/standards-guidelines/wcag/glance/





The good news is that accessibility is a journey and authoring tools can help with some of the burden

(CH) Empathy. (g)

How can we simulate?



Keyboard-only



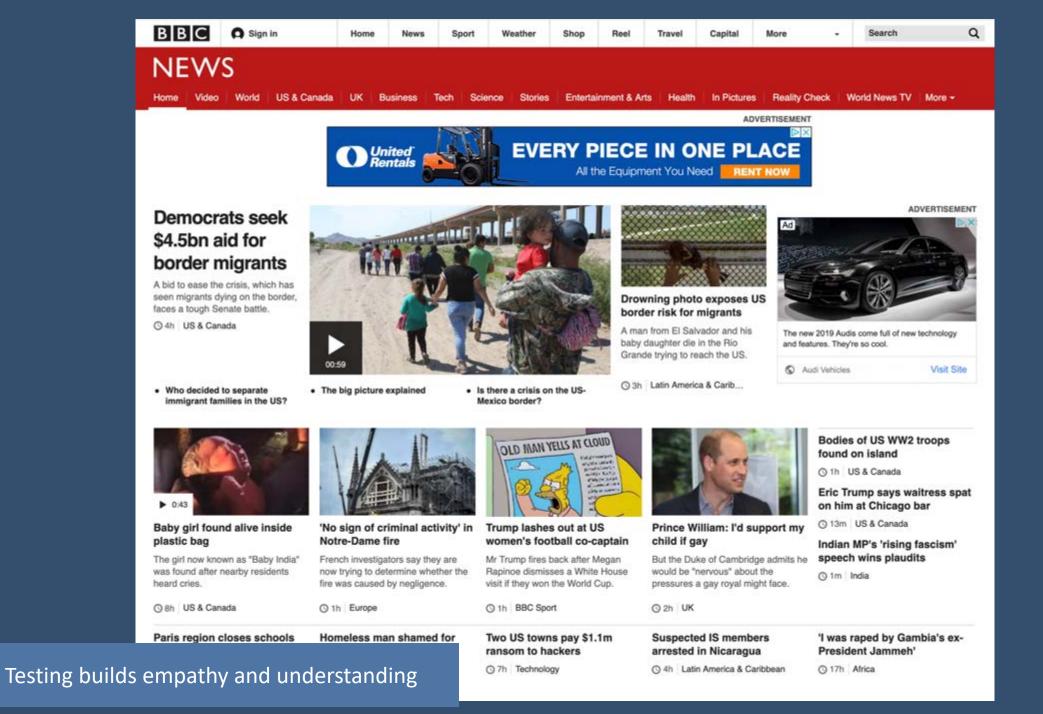
Mute sound

•)))

Screen reader (JAWS, NVDA, VoiceOver)



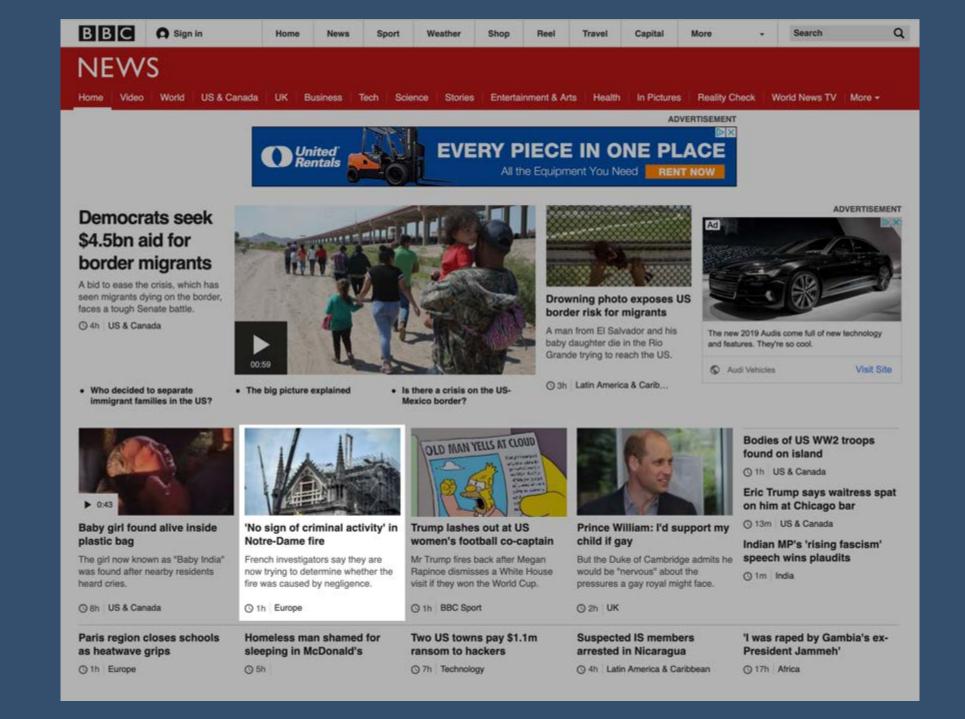
Browser Extensions and OS High Contrast Mode

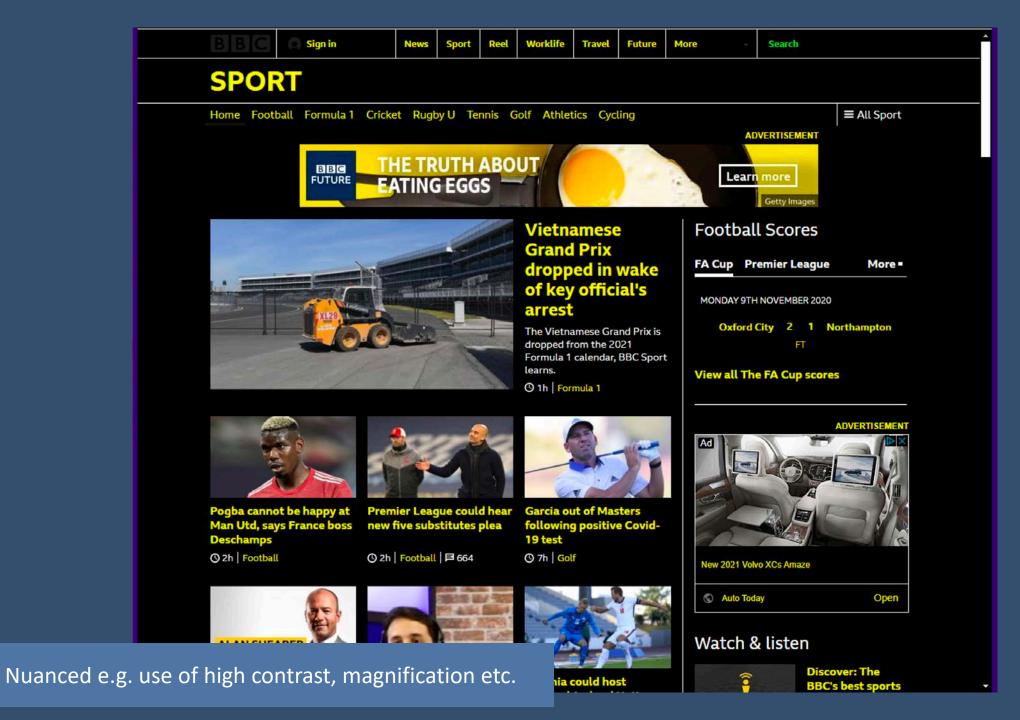


Heading Level 1 BBC News Home. Heading Level 2 Top Stories. Graphic repair work gets underway at Notre dash Dame cathedral. Heading Level 3 No sign of criminal activity in Notre dash Dame fire. French investigators say they are now trying to determine whether the fire was caused by negligence. List of two items an hour ago. Link from Europe.

- Excerpt from BBC News homepage, as read by JAWS 2019 in Google Chrome



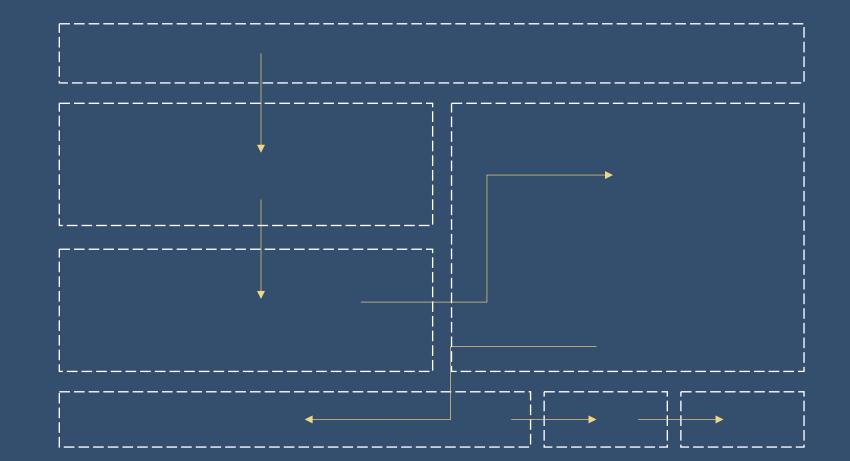




Designing for Inclusion

Flow

- Hierarchy
- Grouping
- Tab order



Define a Logical Layout / Order



1. · · ·

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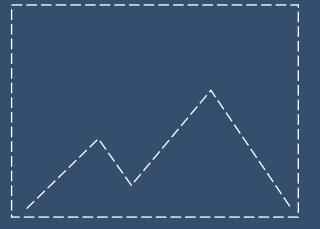


Label Things

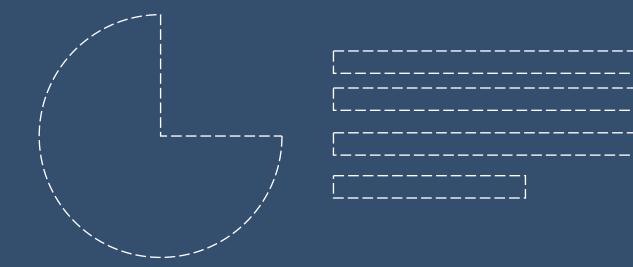


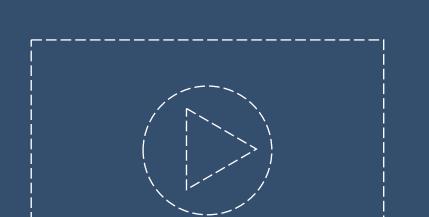


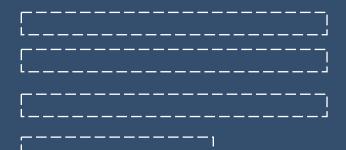




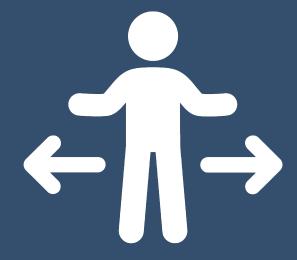




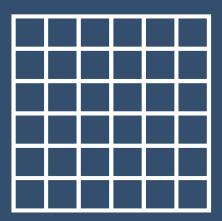




Provide Alternatives

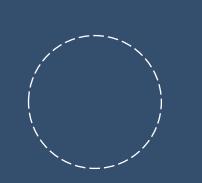


Be Consistent











Make it Visible



Strategies for (More) Accessible Design

- Use a logical layout and order
- Group / hide decorative and non-essential elements
- Use appropriate labels and descriptions (incl. alt text)
- Consistent visual design
- Appropriate contrast levels and text size
- Add closed captions to media, use TTS.
- Avoid using poorly supported elements
- Test with screen readers etc.

Employee Benefits 2019

At Acmecorp, we offer a wide range of benefits to our employees. We offer healthcare, a comprehensive 401k, credits for childcare and gym membership, as well as flexible vacation and working policies.

Our policies overview

1	Healthcare, including dental, vision, and life policies.
2	Employee 401(k) with matching
3	Flexible working, vacations, and wellness.



Hi and welcome to this module about Employee Benefits for 2019! Everyone should read this guide to get acquainted with the full set of benefits we offer. - Sharon Hansen, Administrator

Read More...

You might be surprised to know that Acmecorp will cover certain routine expenses for our empl... click here

Some issues...

- Poor visual hierarchy, lack of grouping etc. ('Gestalt' principles).
- Inadequate contrast and poor legibility.
- Inconsistent formatting of interactive objects, links etc. – e.g. nonobvious clickable text, buttons, pictures etc.
- Lack of context and explanation.
- Decorative or duplicated elements part of focus order.
- No alt text.

Employee Benefits 2019

At Acmecorp, we offer a wide range of benefits to our employees. Watch the welcome video to learn more.

Watch the welcome video

Our Benefits

2

3

Healthcare, including dental, vision, and life policies.

Employee 401(k) with matching

Flexible working, vacations, and wellness.



Hi and welcome to this module about Employee Benefits for 2019!

?

- Sharon Hansen, Administrator

Sharon's welcome message

\$

Acmecorp covers routine expenses for its employees, including cellphone and gym membership.

Routine expense coverage

A little better...

- Visual hierarchy improved in several places.
- Contrast issues largely improved.
- Consistency to clickable elements – links are buttons, consistent fonts / colors.
- Better context e.g. links are properly described.
- Extraneous objects removed from focus order.
- Alt text added where appropriate.
- Still too much content on the page (but this was a real customer project originally).

Articulate: Our Journey



Piecemeal → Holistic

Our Journey So Far...

Pre-2019



2019-20



What's Next?

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Read

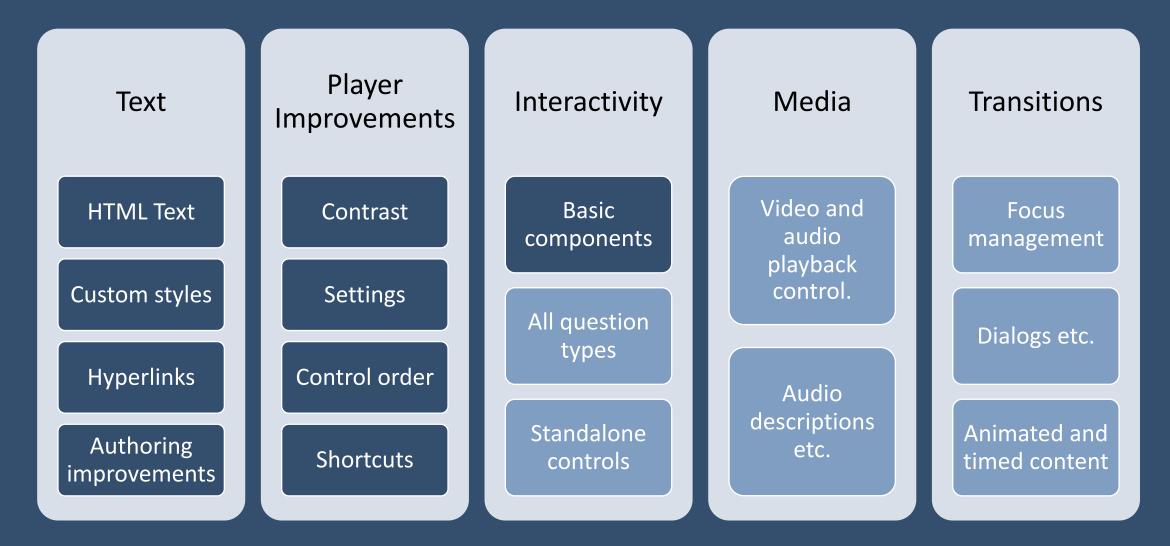
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2021 Roadmap



Resources

Compliance Docs	https://articulate.com/support/article/Articulate-360-FAQs- Accessibility
Practical help and practice activities	https://articulate.com/support/article/Storyline-360-Making- Your-Course-Accessible
Ebook	https://community.articulate.com/e-books/6-best-practices-for- designing-accessible-e-learning
WCAG Guidelines	https://www.w3.org/WAI/standards-guidelines/wcag/glance/
WCAG Checklist	https://webaim.org/standards/wcag/checklist
Browser Extensions List	https://www.digitala11y.com/accessibility-plug-ins-ie-chrome- firefox-browsers/
Articles, Tips, Tricks etc.	https://a11yproject.com https://www.24a11y.com https://webaccessibility.guide https://100daysofa11y.com/ https://accessibilityinsights.io/



To join our Accessibility Early Access Program, please email:

beta@articulate.com