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Accessibility Testing Strategies

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creating an inclusive digital world

www.intopia.digital

Chris

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Planning

Goals

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WCAG 2.1 AA

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WCAG 2.1 AA

(plus maybe some AAA criteria)

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Koa11y
Siteimprove
Pa11y
Tenon.io
ax
DRAGON
NATURALLYSPEAKING
monsido
ComplianceSheriff
by Cyxtera
HTML_CodeSniffer
NVDA
JAWS
Inspect
JAWS
WAVE
Accessibility Insights for Web
ARC TOOLKIT
make sense
Better Web
audioeye
ZoomText
SortSite
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Tools

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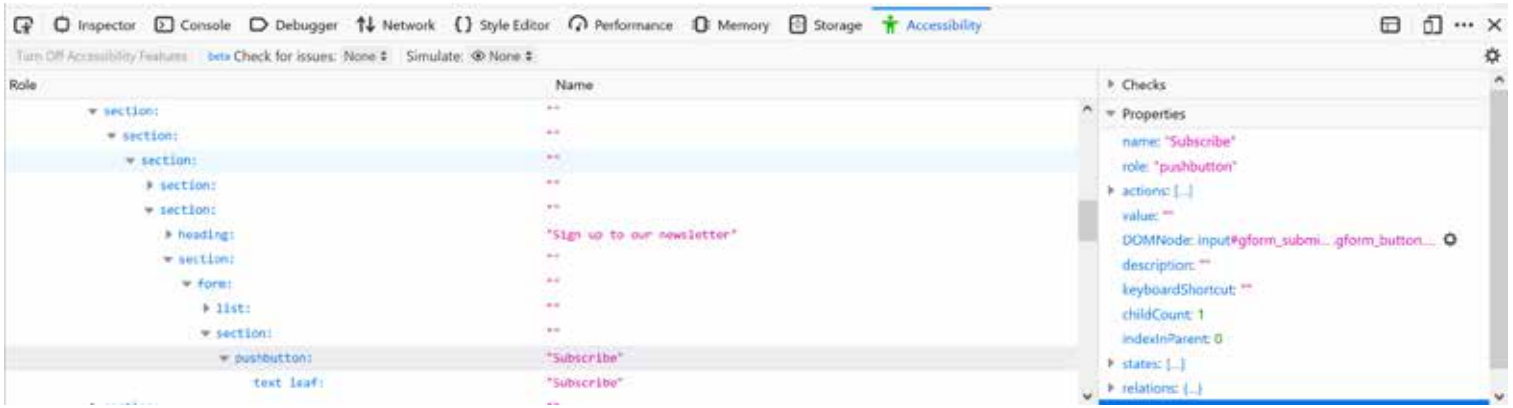
Browsers

Chrome

Firefox



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Browser plugins

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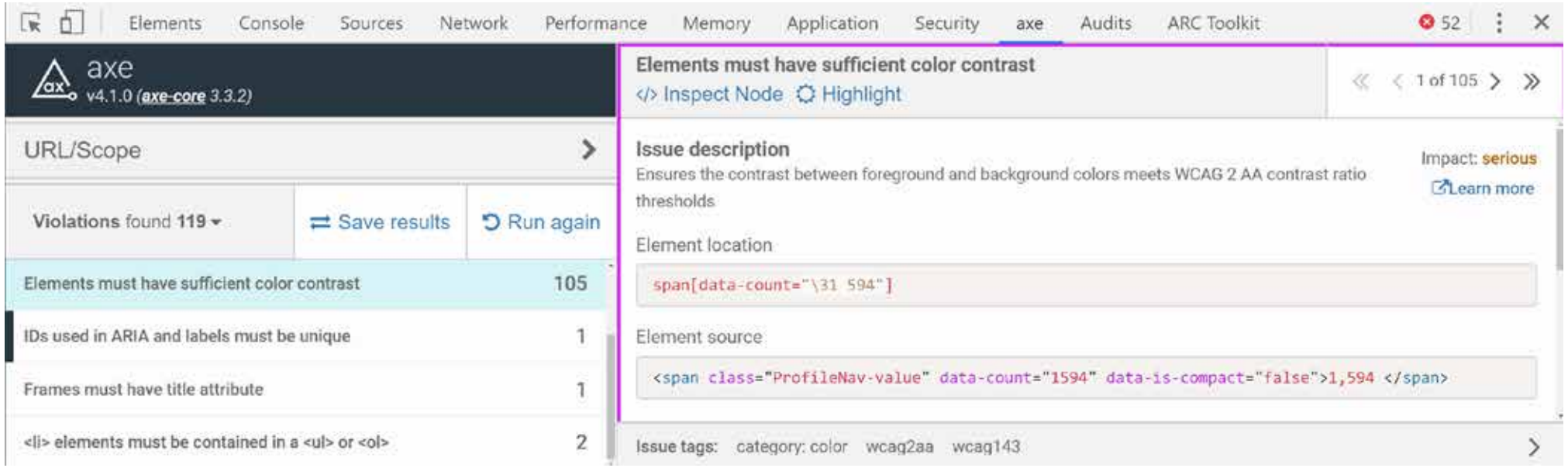
Colour contrast analyser



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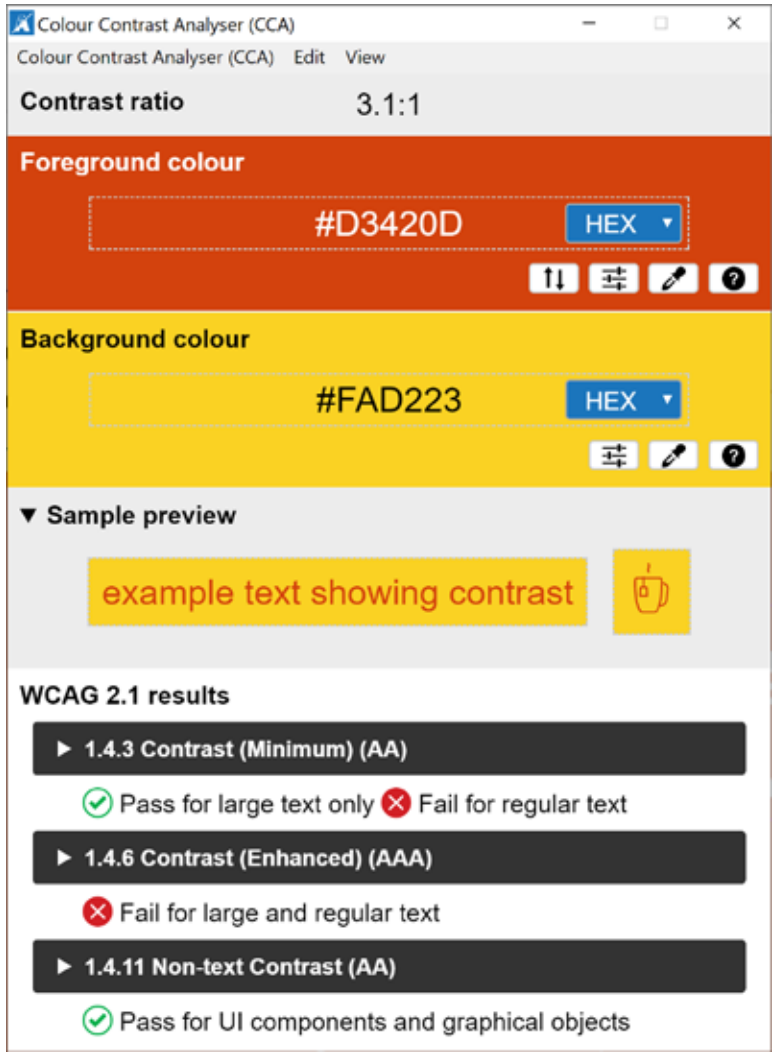
Colour contrast analyser (app)



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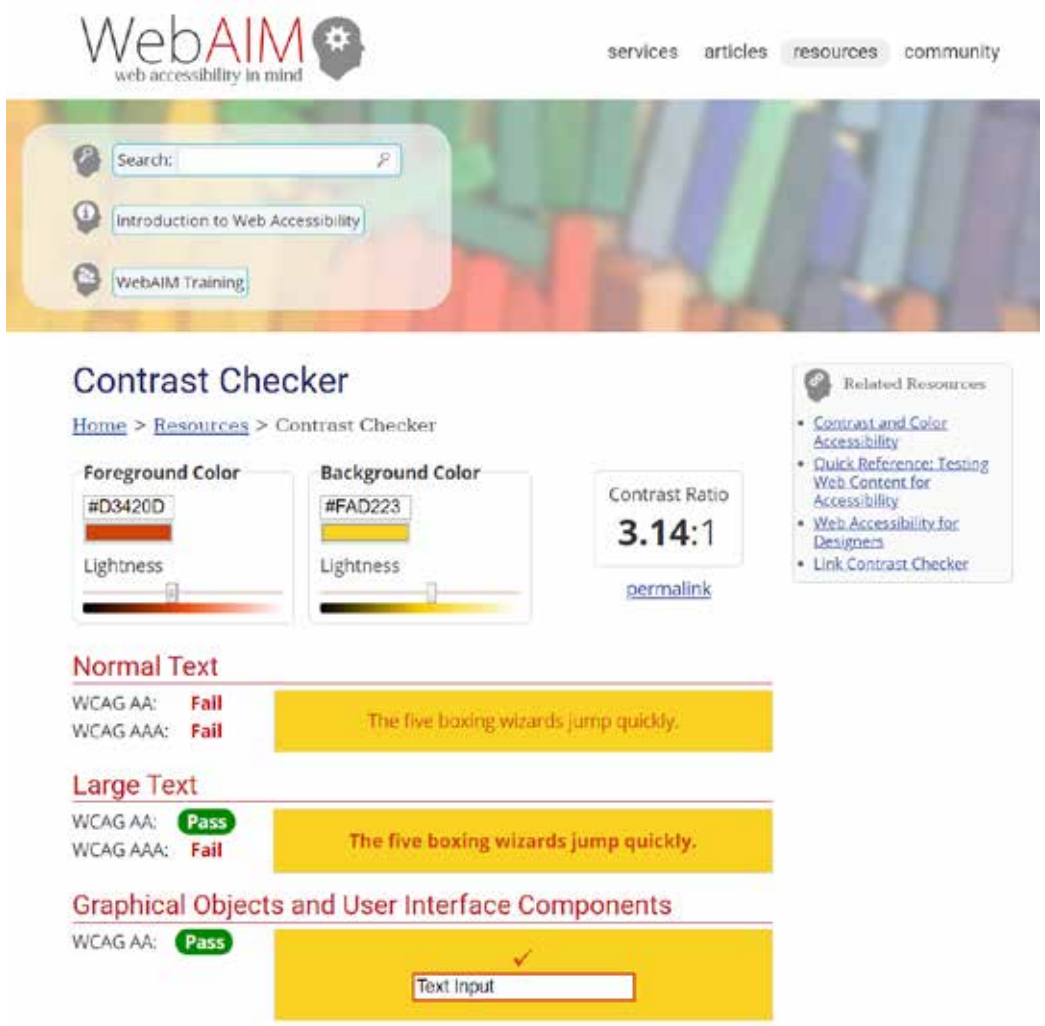
Colour contrast analyser (web)



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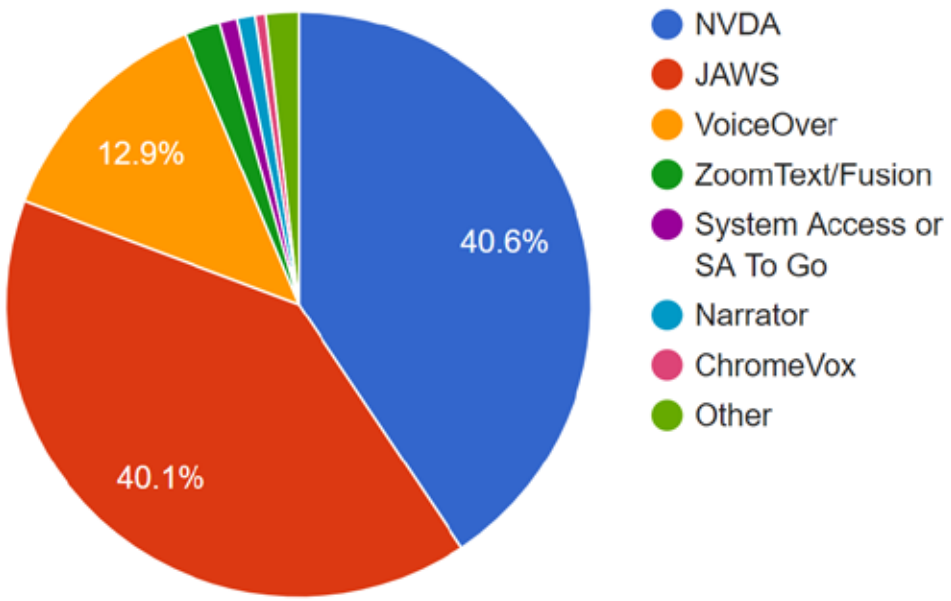
Screen readers (desktop)

Primary Screen Reader



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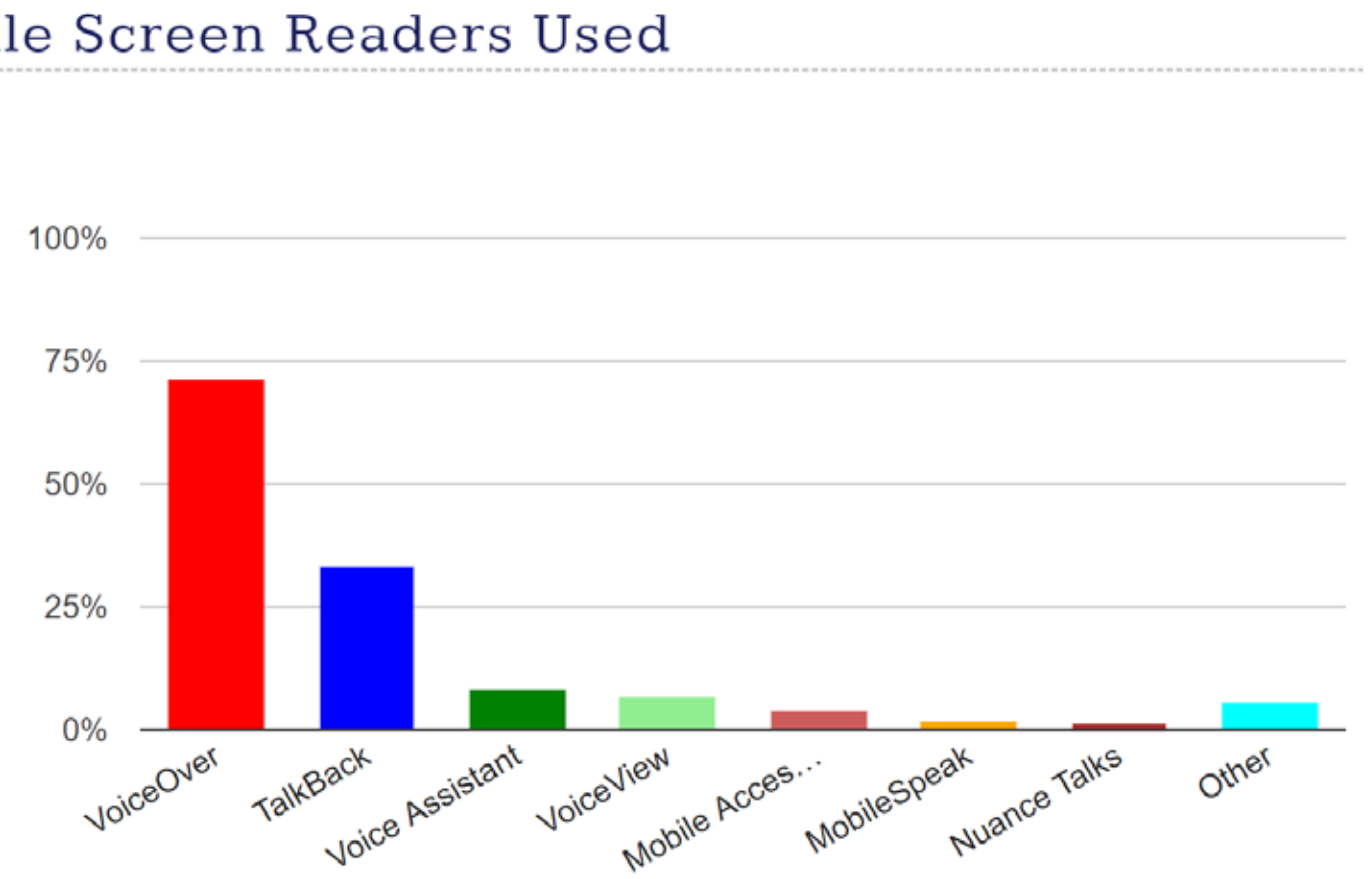
Screen readers (mobile)



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Creating

Research

Web Content Accessibility Guidelines (WCAG) 2.1

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High level checklist

1.1.1 – Non-text Content

- Check that informative images have alternate text
- Check that alternate text is descriptive
- Check that decorative images are hidden from screen readers

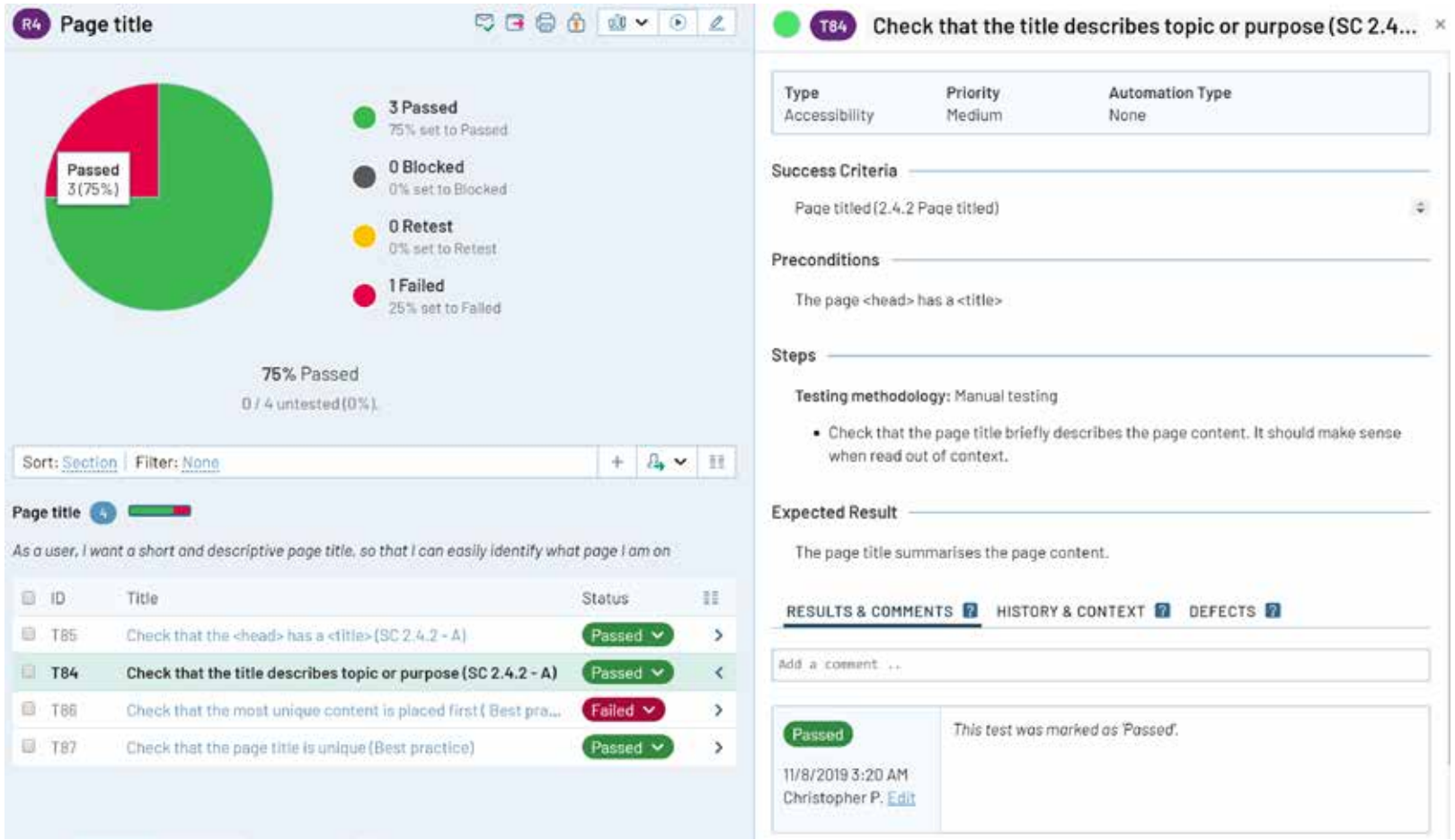
1.2.1 – Audio-only and Video-only (Pre-recorded)

- Check that there is a text alternative provided for the audio / video only content
- Check that the transcript accurately convey the information presented in the audio /video only content

1.2.2 – Captions (Pre-recorded)

- Check that captions are provided for pre-recorded audio content
- Check that captions are accurate

Test cases



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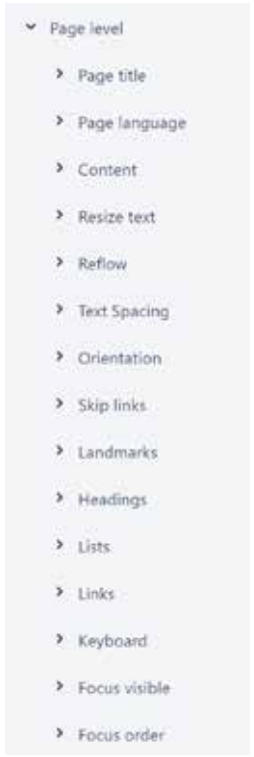
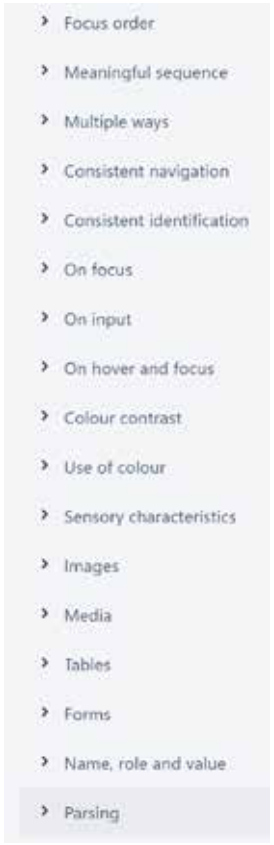
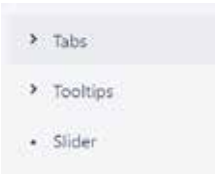
Grouping tests

Page tests





Component tests



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Traceability

Level	Success Criteria	Issue
A	1.1.1 – Non-text Content	***Images*** • Image does not have alt text • Image alt text is not descriptive • Decorative image has alt text • Decorative image is not hidden from screen readers • Font icon does not have a text alternative • SVG should be hidden from screen readers • CSS background images are not visible in Windows High Contrast mode • Info-graphic does not have a complete text alternative • SVG graph content not conveyed ***Links*** • Linked image is missing alt text or a label • Linked image has redundant alt text
A	1.2.1 – Audio-only and Video-only (Pre-recorded)	• There is no text alternative provided for audio/video only content • The transcript does not accurately convey the information presented
A	1.2.2 – Captions (Pre-recorded)	• No captions provided for prerecorded audio content • Auto-generated inaccurate captions
A	1.2.3 – Audio Description or Media Alternative (Pre-recorded)	• No audio description provided for video content • The audio description does not provide a full description of the video content
A	1.3.1 – Info and Relationships	***Headings*** • Text should be a heading • Text should not be a heading • Headings do not reflect the content structure

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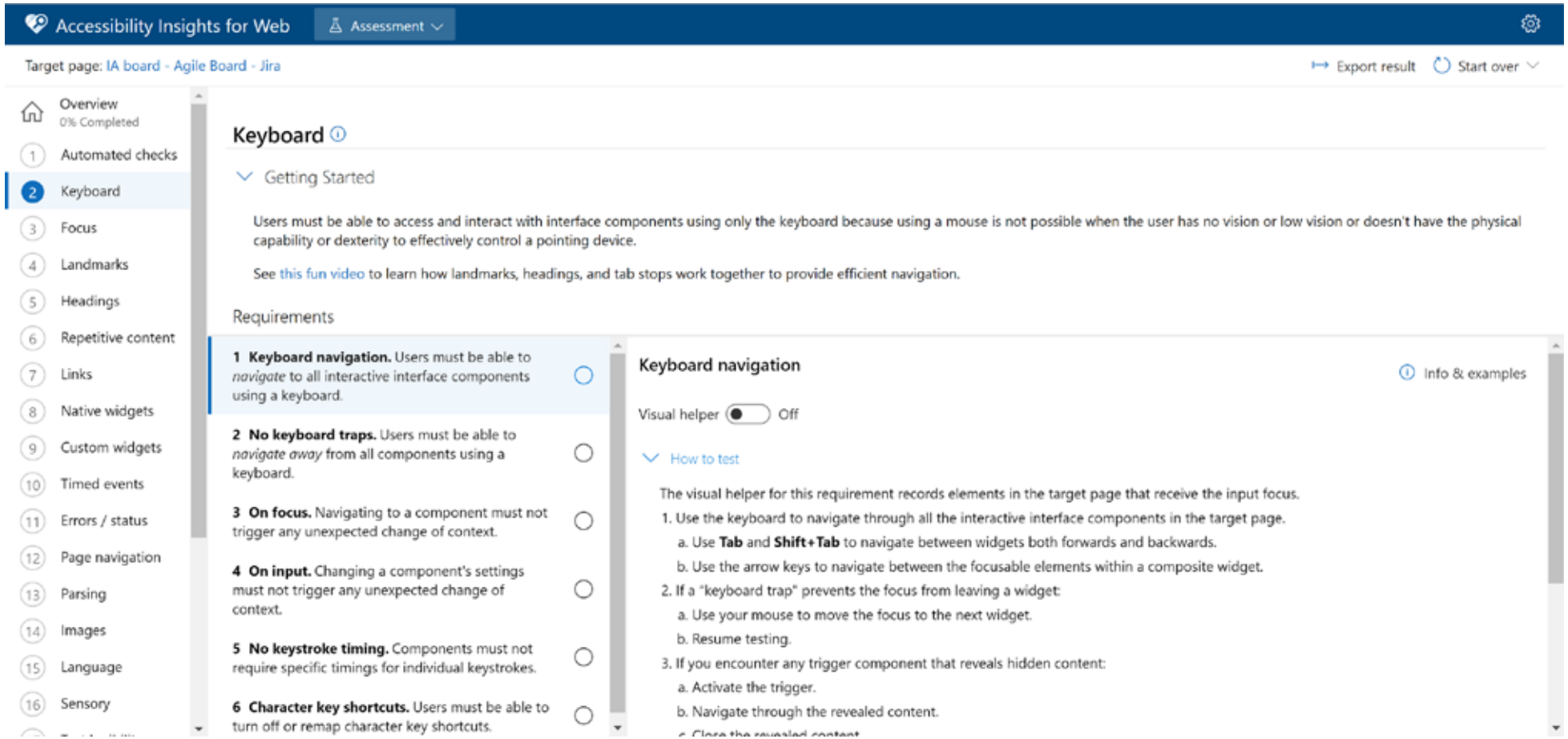
Accessibility Insights



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Establish expectations

- How much extra work will be involved?
- When will it start?
- What support will be available?

Create checklists

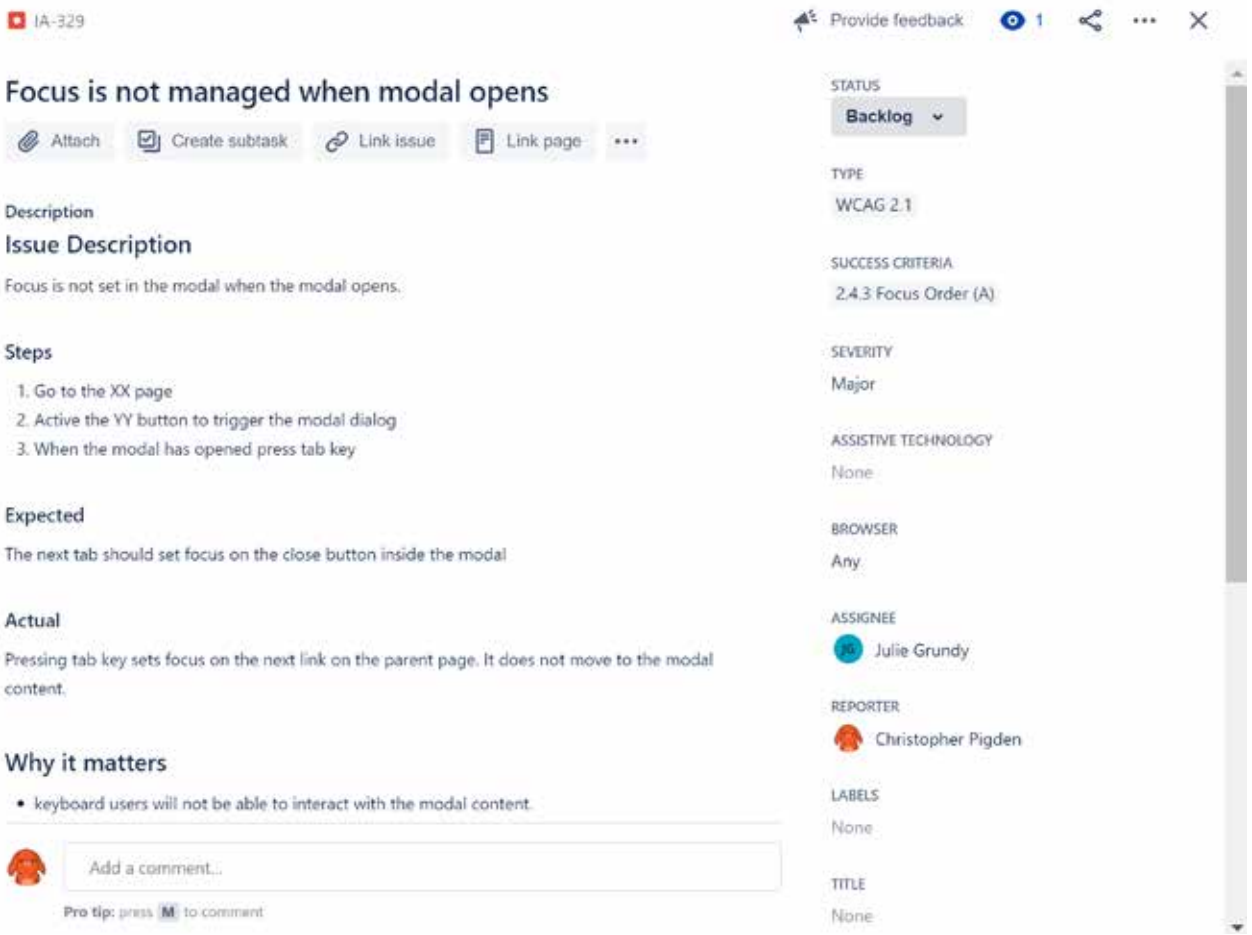
- Short
- Actionable tasks, not explanations
- By role, media type or other category

Create a resource library

- Start with the tools and references you're using
- Add articles and videos by people with disabilities
- Link to tutorials and ideas for the future

Testing

Writing bug reports



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Report the problem, not the symptom

Given I’m on the login page, using JAWS with Chrome, when I navigate to the account menu button in read mode, then JAWS says "Unlabelled button"

Report the problem, not the sympton

~~Given I’m on the login page, using JAWS with Chrome, when I navigate to the account menu button in read mode, then JAWS says "Unlabelled button"~~

The account menu button does not have a programmatically associated label

Issue templates

Page title is not descriptive

Created by Christopher Pigden
Last updated Oct 16, 2019 by Zoë Haughton

Issue Summary	Page title is not descriptive
Issue Description	The <title> - XX is not descriptive. It does not describe the page subject.
Type	WCAG 2.0 failure
Success Criteria	Fails 2.4.2 Page Titled - Level A
Severity	Medium
Why it matters	An informative page title benefits all users. It allows them to quickly and easily identify whether the information contained in the Web page is relevant to their needs.
Our recommendation	Update the <title> in the <head> from XX to YY. The page title should describe the page content and make sense when read out of context. It is best practice to put the most unique (i.e. page specific) title information first, most generic (i.e. site name) last.

Reference

G88: Providing descriptive titles for Web pages

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Iterating

Gather statistics

- Keep track of what's happened
- Give bosses an executive summary of progress

Review your goals

- Do you need to change the tactics or the goal?

Complaints are clues

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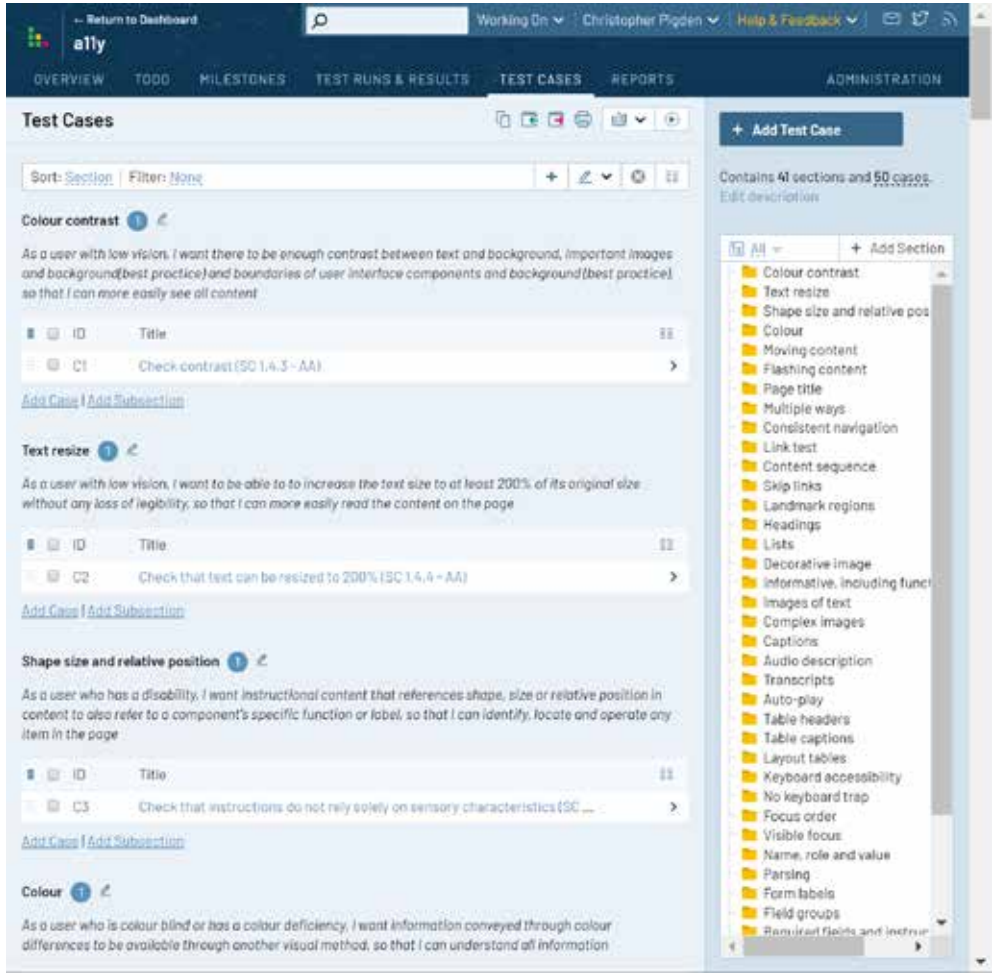
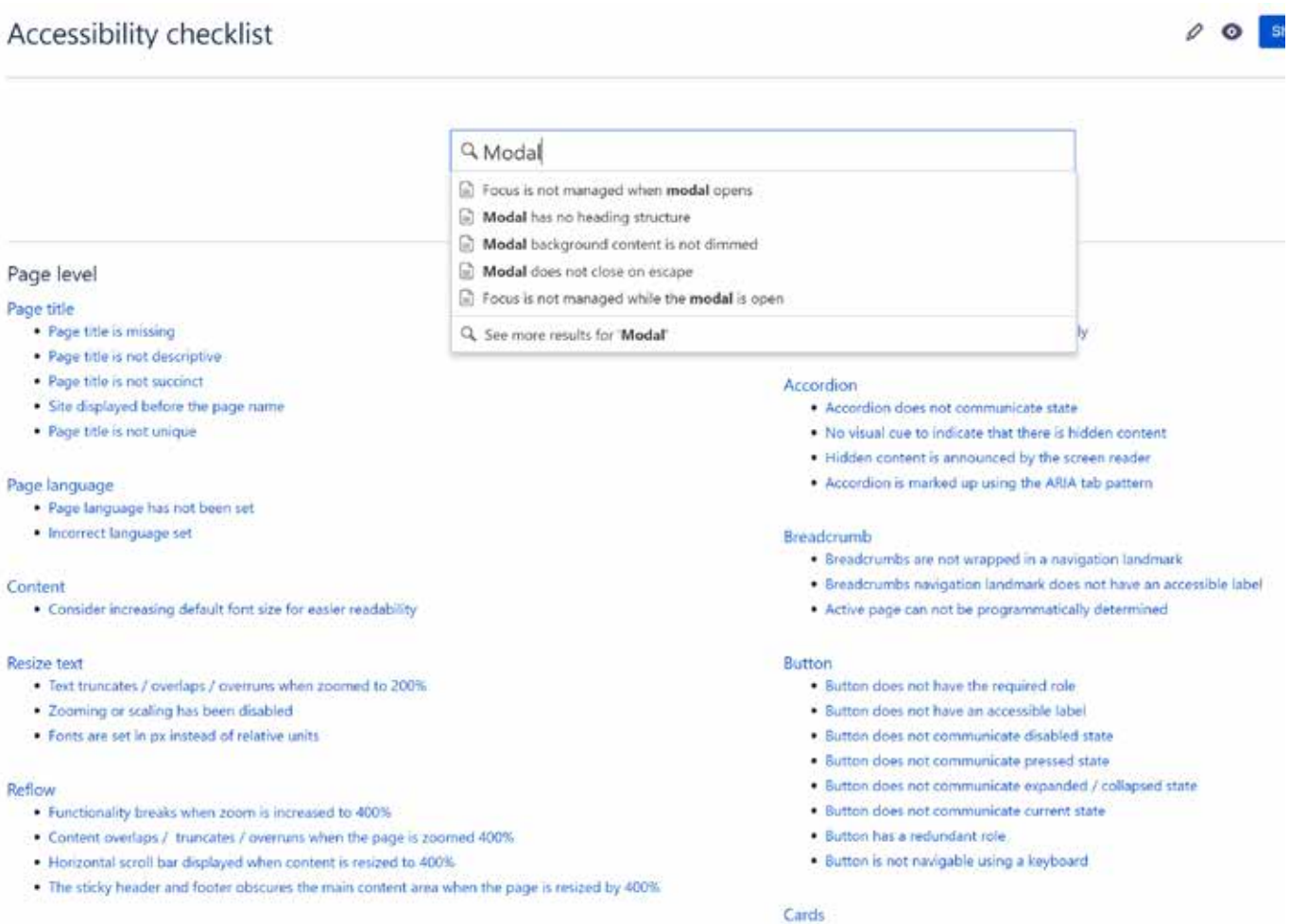
Going from test cases to Issue templates





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Thankyou

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