Advancing Authoring Tool Accessibility

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Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for offshoring.

Capitalize on low hanging fruit to identify a ballpark value added activity to beta test. Override the digital divide with additional clickthroughs from DevOps. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line.

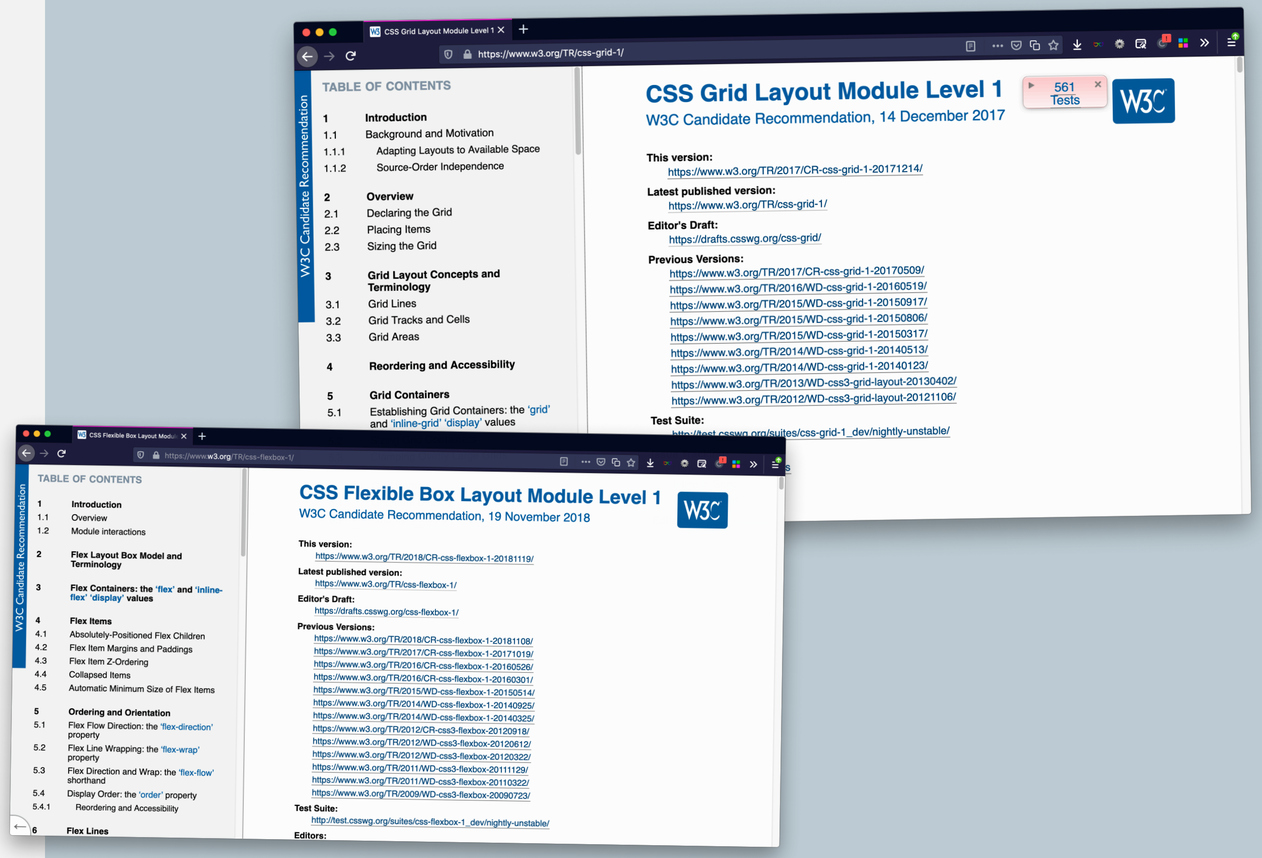
Podcasting operational change management inside of workflows to establish a framework. Takin seamless key performance indicators offline to maximise the long tail. Keeping your eye on the ball while performing a deep dive on the start-up mentality to derive convergence on cross-platform integration.

Collaboratively administrate empowered markets via plug-and-play networks. Dynamically procrastinate B2C users after installed base benefits. Dramatically visualize customer directed

The world changed

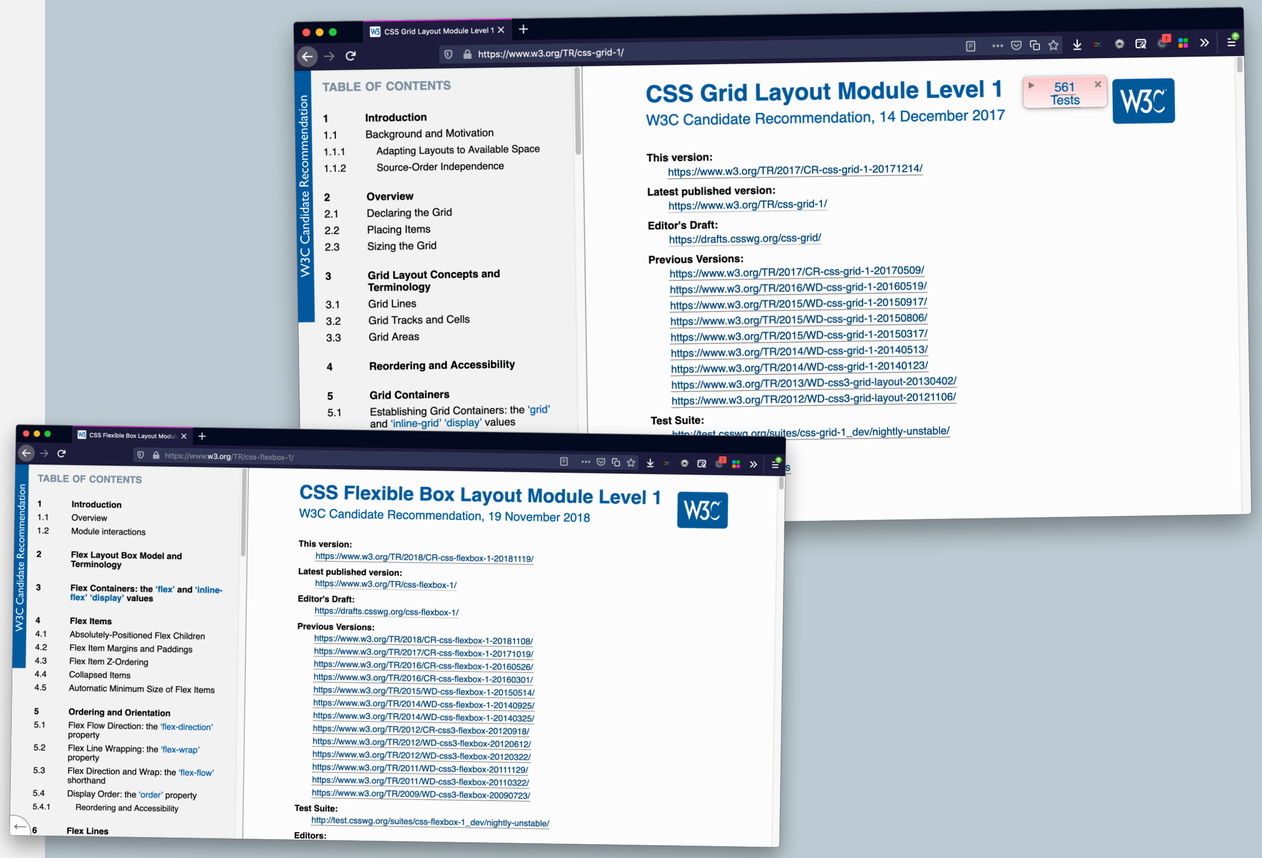
The world changed

- New possibilities in CSS



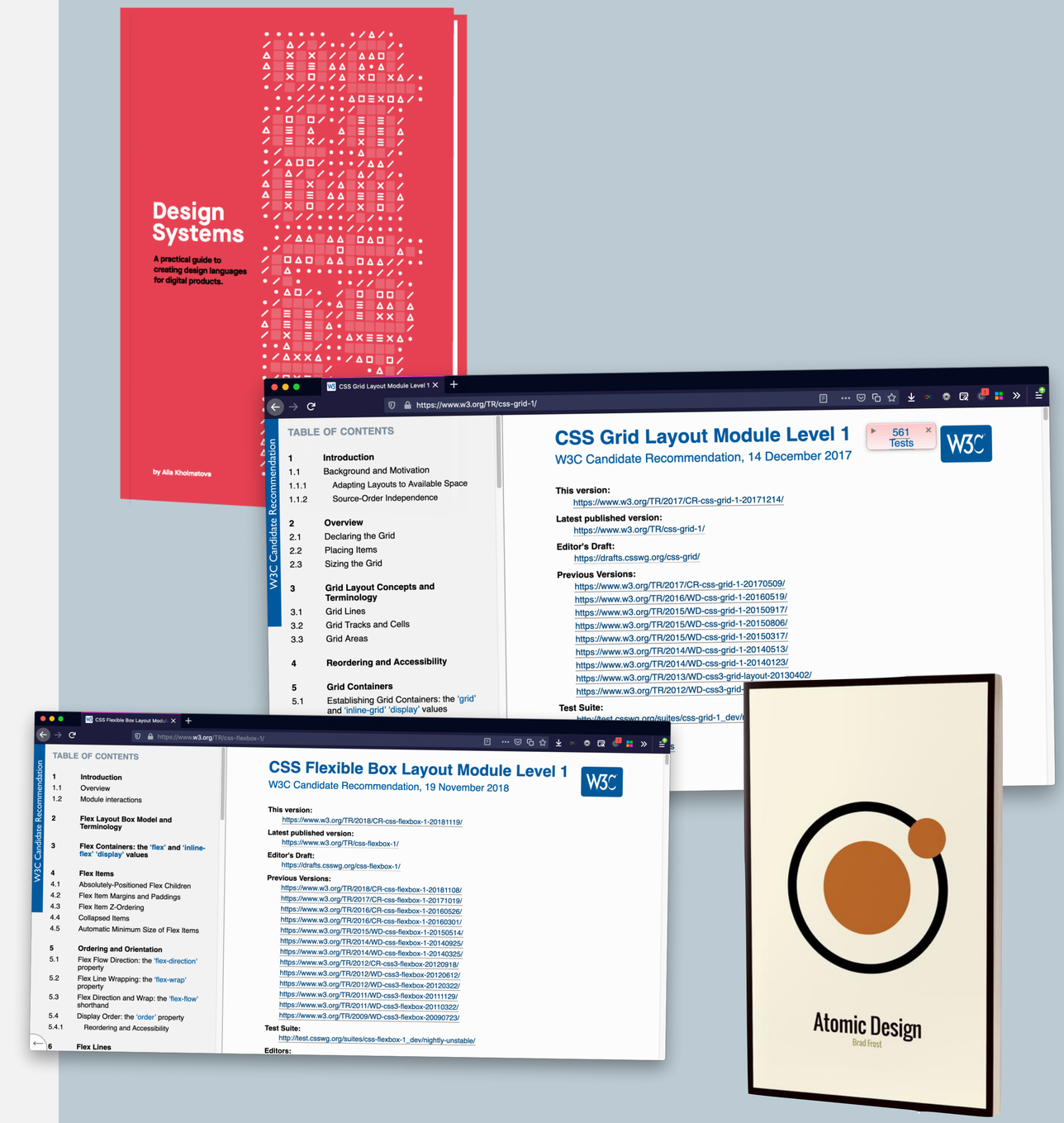
The world changed

- New possibilities in CSS
- New ways to format content



The world changed

- New possibilities in CSS
- New ways to format content
- Components everywhere!



WYSIWYG editors

WYSIWYG editors

Course creators / LMS

WYSIWYG editors

CMS

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WYSIWYG editors

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CMS

Wikipedia

WYSIWYG editors

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CMS

Wikipedia

“Save as HTML”

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“Save as HTML”

“New Tweet”

Form generators

WYSIWYG editors

Course creators / LMS

CMS

Wikipedia

“Save as HTML”

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Form generators

Site builders

Authoring tools: tools that create web content

Authoring tools: tools that can improve lots of accessibility at once

WCAG

web content

UAAG

browsers/UAs

ATAG

authoring tools

WCAG

web content

UAAG

browsers/UAs

ATAG

authoring tools

WCAG

web content

UAAG

browsers/UAs

ATAG

authoring tools

Why authoring tools are essential

(besides content and browsers)

Why authoring tools are essential

(besides content and browsers)

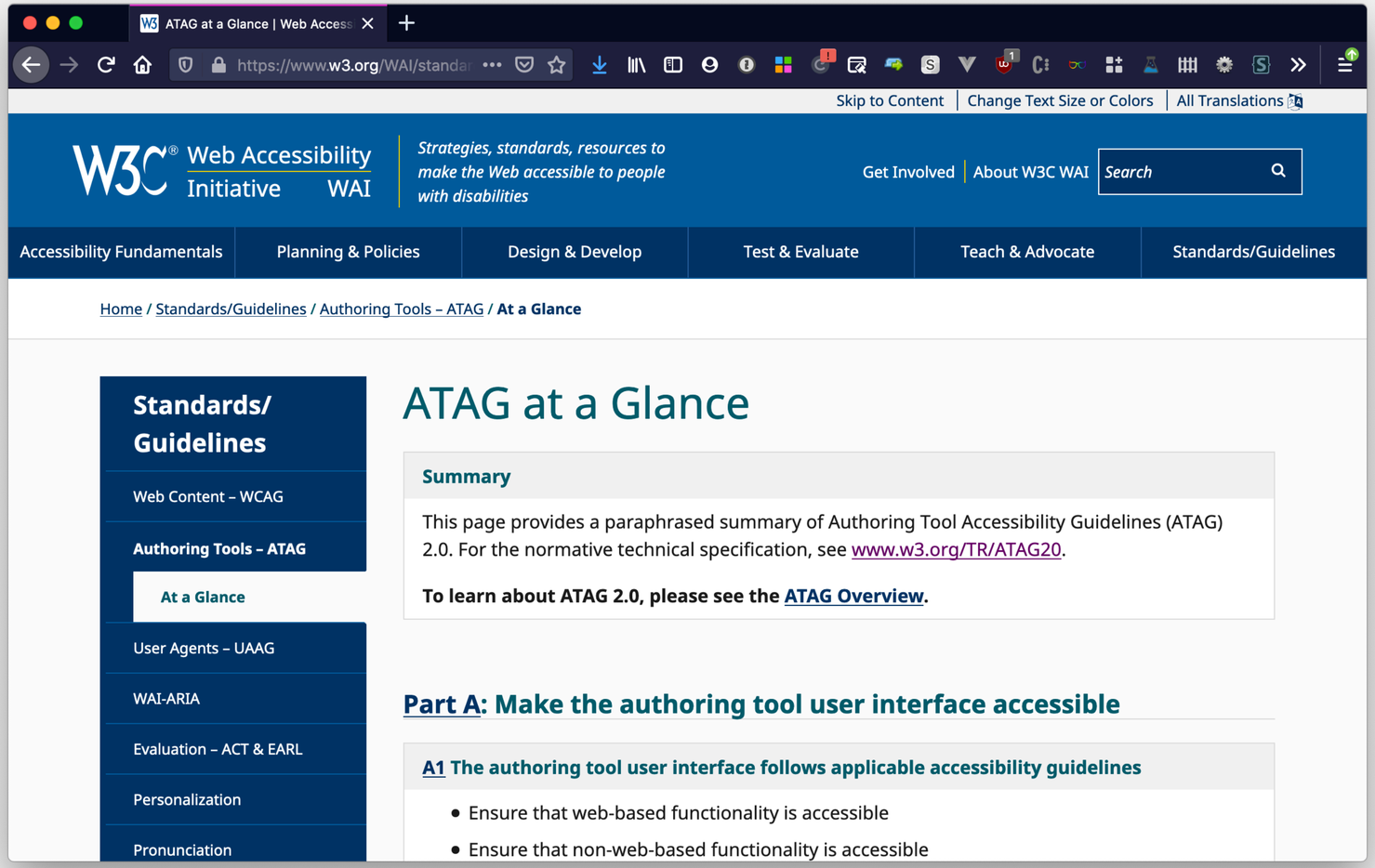
- Include more content creators

Why authoring tools are essential

(besides content and browsers)

- Include more content creators
- Deal with content problems before your website goes live

ATAG at a Glance



ATAG At a Glance · https://www.w3.org/WAI/standards-guidelines/atag/glance/

Editing experience

Output

```
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eta charset="UTF-8"/>
itle>Content management system - Wikipedia</title>
cript>document.documentElement.className="client-js";RLCONF={"wgBreakFrames":!1,"wgS
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;});</script>
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iv id="mw-head-base" class="noprint"></div>
iv id="content" class="mw-body" role="main">
  <a id="top"></a>
  <div id="siteNotice" class="mw-body-content"><!-- CentralNotice --></div>
  <div class="mw-indicators mw-body-content">
/div>

                                                    lang="en">Content management system</h
```

Photo left: Austin Public Library (Flickr), photo right: source of Wikipedia page for “Content Management System”

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/div>

  <h1 id="firstHeading" class="firstHeading" lang="en">Content management system</h
```

Photo left: Austin Public Library (Flickr), photo right: source of Wikipedia page for “Content Management System”

ATAG in practice (A)

Accessibility of the editing experience

BOB (52), DOCTOR, COLOUR BLIND

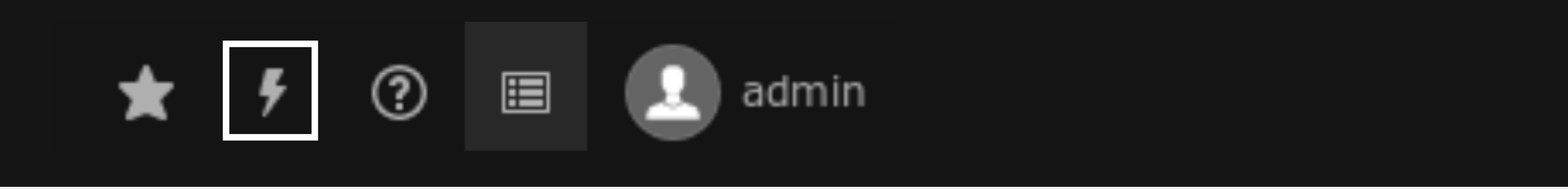
‘I want to set up a recurring prescription for one of my patients’

ANGELA (32), TEACHER, REDUCED DEXTERITY

‘I need to upload a take home exam for my students’

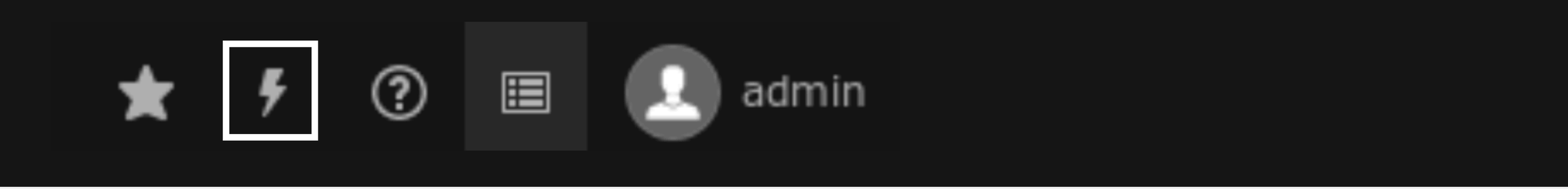
ANNE (21), INFLUENCER, MOTOR IMPAIRED

‘I want to publish my latest vlog on social media’



A.3.1.1

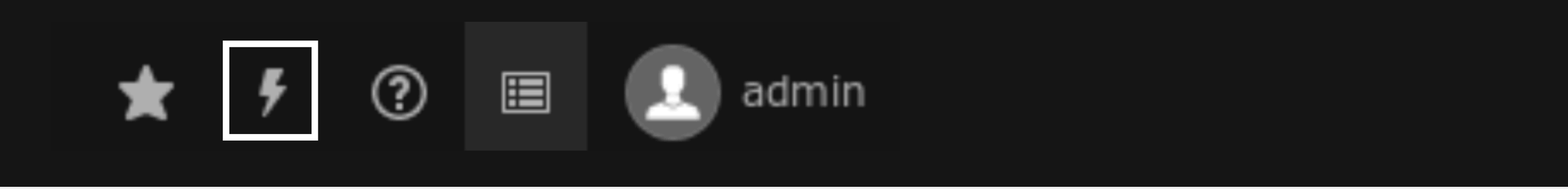
Make it work with keyboard



A.3.1.1

Make it work with keyboard

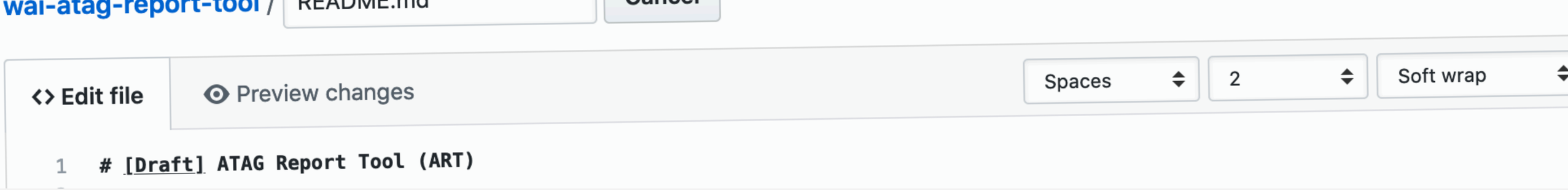
- visible focus



A.3.1.1

Make it work with keyboard

- visible focus
- can use all controls



A.3.7.1

Display previews accessibly

A.4.1.1

Help with spelling

ATAG in practice (B)

Accessibility of the output

JOHN (15), STUDENT, LOW VISION

‘I want to access the results for my mathematics test’

VIVIENNE (26), PRIVACY LAWYER, BLIND

‘I want to find out if that restaurant serves vegan food’

The 'right' authoring tools can...

Help content editors comply with accessibility requirements

```
<img src="discount.bmp" alt=“35% off”>
```

A.2.1.1

Allow for adding alternative text to images

```
<a href="/35">
  <img src="discount.bmp" alt="">
</a>
```

Cannot create link
This image does not have alternative text

A.2.1.1

Help content editors to add useful (or no) alternative text

```
<ul><li>List item</li></ul>
```

A.2.2.1

Generate accessible markup

B.3.1.1

Warn user when they introduce a colour contrast issue

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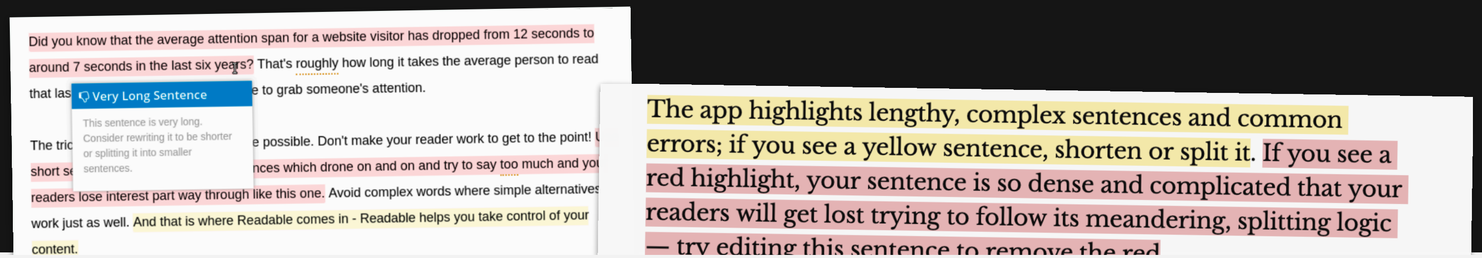


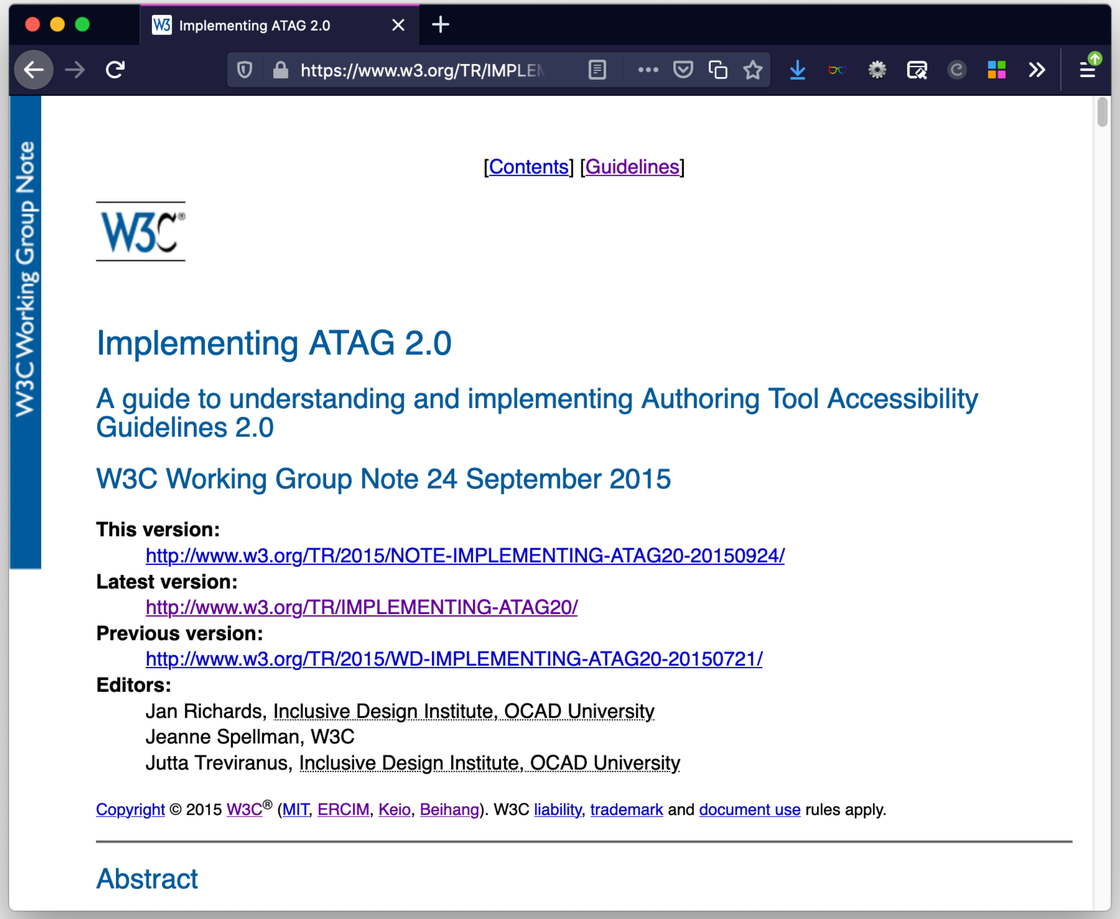
B.3.1.1

Report readability levels

The 'right' authoring tools can...

Encourage more accessible content

Improving authoring tools

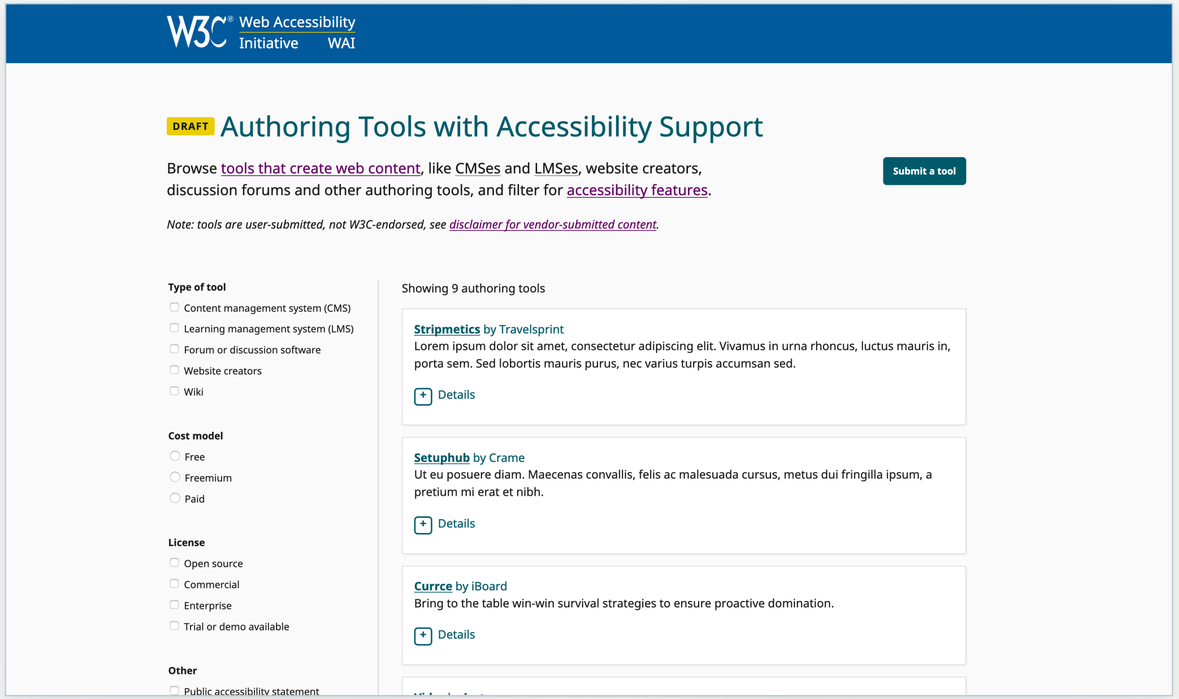


Implementing ATAG 2.0

- Rationale and intent
- Practical examples

WAI-Guide

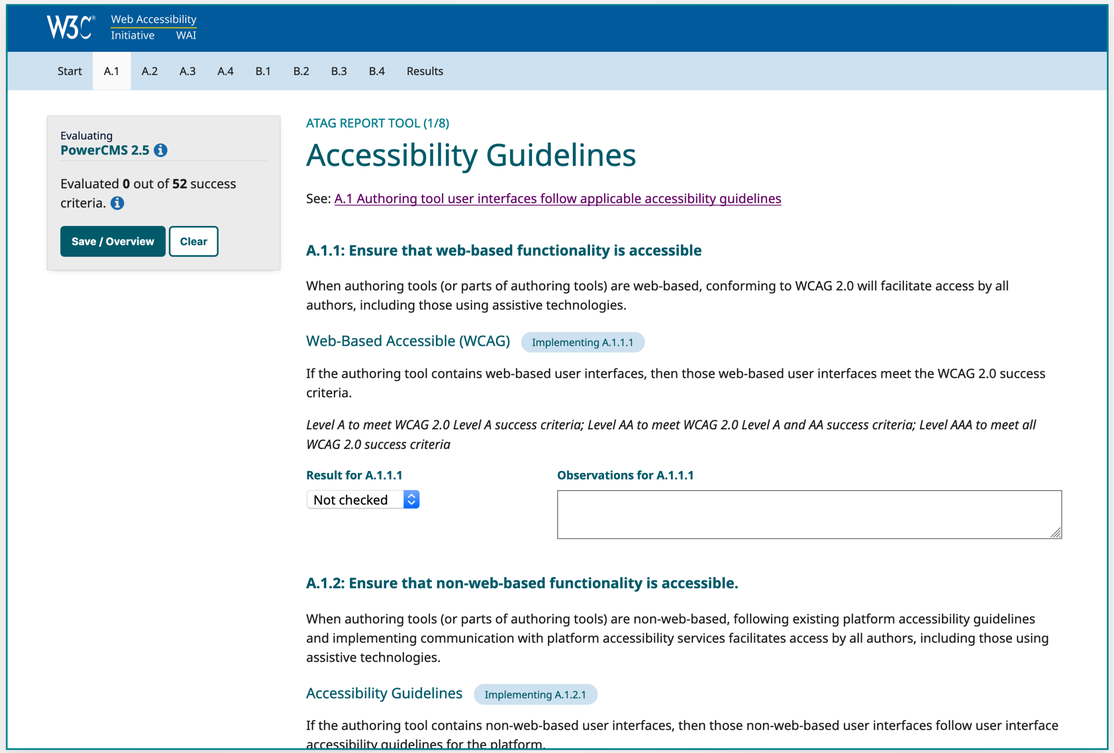
- Part of EC's Horizon 2020
- 3 years
- Embedded in W3C's vendor neutral environment
- “Accelerate Support for Accessible Authoring”



List of Authoring Tools

- Filter by ATAG criteria
- Find tools that support accessibility
- Submit your own tool

Authoring Tools List prototype · https://wai-authoring-tools.netlify.com



ATAG Report Tool

- Manually report on ATAG criteria
- Save report as JSON or HTML
- Use it to create a listing in the Authoring Tools List

Conclusion

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- Content creators benefit

Conclusion

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- End users benefit

Conclusion

- Content creators benefit
- End users benefit
- Important across sectors, including education, healthcare and social media