



# Accessible by design: How on-the-spot accessibility checking transforms course creation in Moodle

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**RESERVED  
PARKING**



















B<sub>3</sub> O<sub>1</sub> N<sub>1</sub> U<sub>1</sub> S<sub>1</sub>

The image shows a row of five light-colored Scrabble tiles spelling out the word "BONUS". The tiles are arranged horizontally on a dark brown wooden surface. The letter tiles are black with white outlines. The "B" has a value of "3" written below it, while the other letters have a value of "1" written below them. The background is blurred, showing some green foliage and a blue sky.





Photo by Danie Franco on Unsplash







Photo by David Gomez on Unsplash

The power of the Web is in its universality.  
Access by everyone regardless of disability  
is an essential aspect.

Tim Berners-Lee



**European Accessibility  
Act (EAA)  
& EN 301 549**



**Americans with  
Disabilities Act (ADA)  
& Section 508**



**Canadian Standard on  
Web Accessibility &  
Accessible Canada Act  
(ACA)**



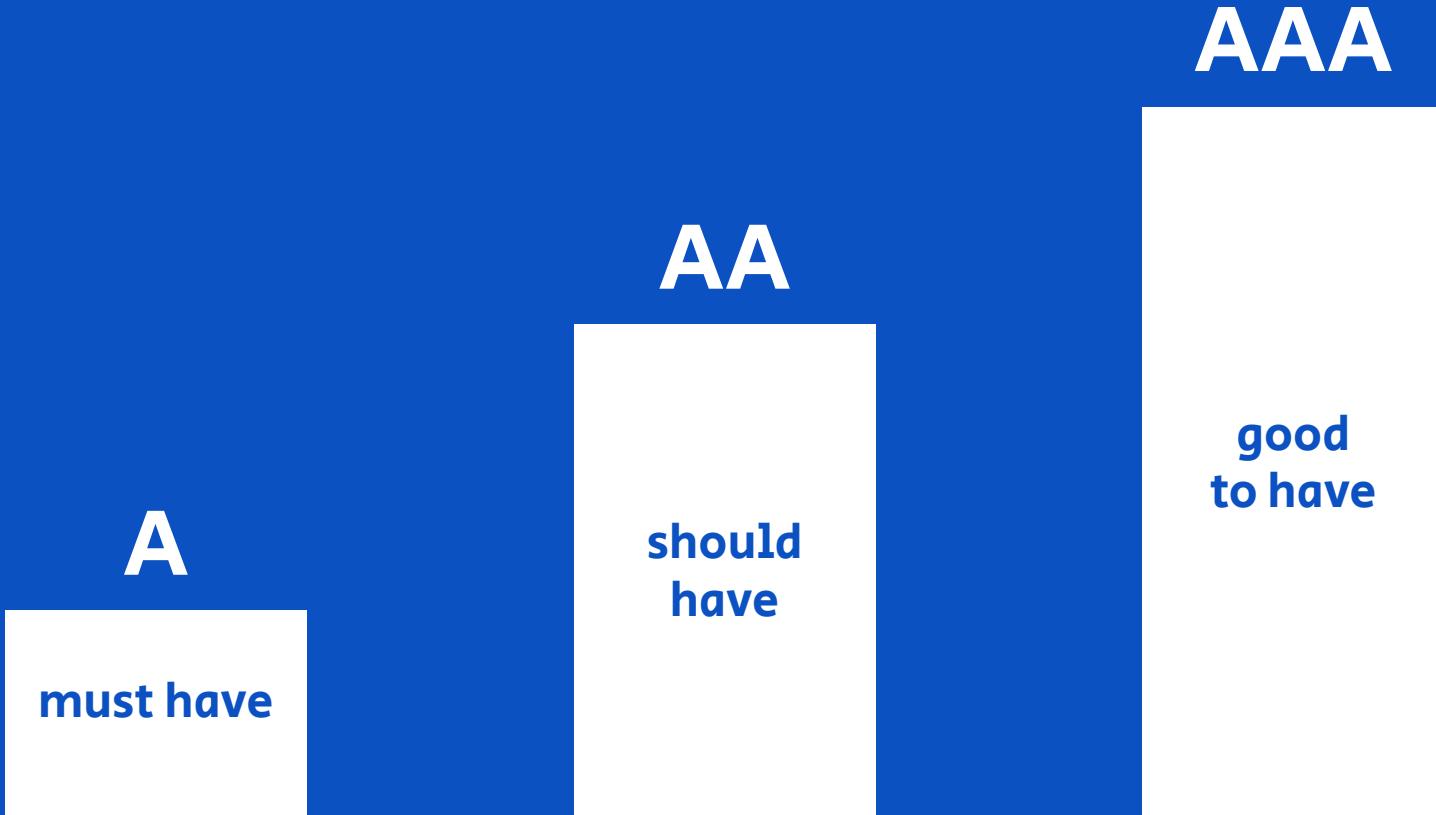
**Disability Equality Act  
& Federal Ordinance on  
Barrier-Free  
Information Technology**

**Equality Act**



**Disability  
Discrimination Act**

# Web Content Accessibility Guidelines (WCAG)



# **Perceivable**

- Provide text alternatives for non-text content.**
- Provide captions and other alternatives for multimedia.**
- Create content that can be presented in different ways, including by assistive technologies, without losing meaning.**
- Make it easier for users to see and hear content.**

# **Operable**

- **Make all functionality available from a keyboard.**
- **Give users enough time to read and use content.**
- **Do not use content that causes seizures or physical reactions.**
- **Help users navigate and find content.**
- **Make it easier to use inputs other than keyboard.**

# **Understandable**

- Make text readable and understandable.**
- Make content appear and operate in predictable ways.**
- Help users avoid and correct mistakes.**

# **Robust**

- Maximize compatibility with current and future user tools.**

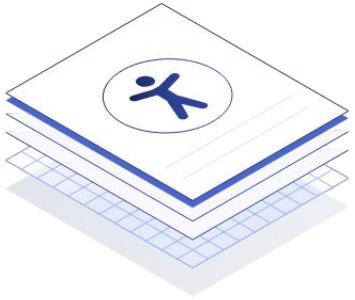
There are an estimated 1.3 billion people with disabilities. That represents around 16% of the entire world's population!

The World Health Organization (WHO) - 2023

# Common pitfalls

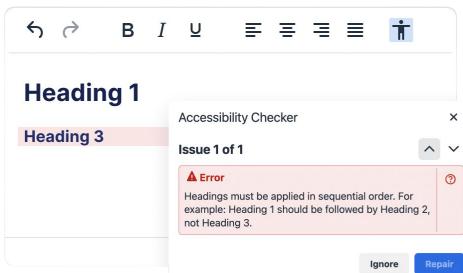
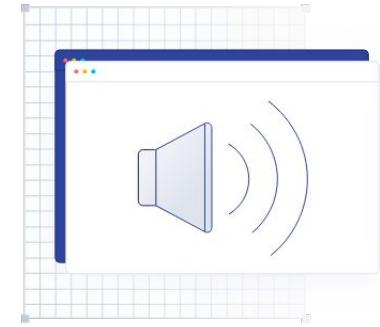
- Headings should be marked up as headings
- Headings should be applied in sequential order
- ID attributes should be unique
- Images should have alt text or be marked as decorative
- Adjacent links with the same URL should be merged
- Lists should be marked up as lists
- Color contrast must be compliant
- Tables should have a header





# Maintaining legal compliance

Facilitate screen reader use



Guide creators without developers

# Accessibility Checker demo

For people without disabilities, technology makes things convenient. For people with disabilities, accessibility makes things possible.

Judith Heumann, U.S. Department of Education's Assistant Secretary of the Office of Special Education & Rehabilitative Services, 2012

# Add TinyMCE to your app

Register for an API key to get access to TinyMCE cloud

 Sign up with Google

 Sign up with Github

OR SIGNUP WITH EMAIL

Email

name@example.com

Password

\*\*\*\*\*

By creating a Tiny account you accept all [Terms of Use](#)

**Sign up & start developing**

You will get the:

**Free Plan**

- 1,000 editor loads per month
- TinyMCE core editing features
- 14-day free trial of 21 + advanced features



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