

WCAG AND ACCESSIBILITY TESTING



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WCAG

The Web Content Accessibility Guidelines are part of a series of web accessibility guidelines published by the Web Accessibility Initiative of the World Wide Web Consortium, the main international standards organization for the Internet.

The Journey
begins

**IF YOU COULD ANALYZE
OUR PORTAL ACCESSIBILITY**

THAT WOULD BE GREAT

Research

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graph LR; Research --- Oracle(s); Research --- Accessibility needs; Research --- Testing methodology;
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Oracle(s)

Accessibility needs

Testing methodology

Nearly **100** oracles
Over **20** programs and apps
6 different kinds of accessibility needs
Endless amount of combinations to use
our portal

How do I
cover it all?

Oracles:

Perceivable

Operable

Understandable

User lifecycle

Most popular
programs

Bug reporting

Principle 1– Perceivable

Information and user interface components must be presentable to users in ways they can perceive

	<u>Guidelines</u>	Level	Notes
1.1	Text Alternatives Provide text alternatives for any non-text content so that it can be changed into other forms people need, such as large print, braille, speech, symbols or simpler language.		
1.1.1	Non-text Content All non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except for the situations listed below: Controls, Input: If non-text content is a control or accepts user input, then it has a name that describes its purpose. (Refer to Guideline 4.1 for additional requirements for controls and content that accepts user input.) Test: If non-text content is a test or exercise that would be invalid if presented in text, then text alternatives at least provide descriptive identification of the non-text content. CAPTCHA: If the purpose of non-text content is to confirm that content is being accessed by a person rather than a computer, then text alternatives that identify and describe the purpose of the non-text content are provided, and alternative forms of CAPTCHA using output modes for different types of sensory perception are provided to accommodate different disabilities. Decoration, Formatting, Invisible: If non-text content is pure decoration, is used only for visual formatting, or is not presented to users, then it is implemented in a way that it can be ignored by assistive technology.	A	1) Bug A 2) Bug B 3) Bug C
1.2	Time-based Media		

Bug advocacy

IT'S THE RIGHT THING TO DO!

In 2017, plaintiffs filed at least 814 federal lawsuits about allegedly inaccessible websites, including a number of putative class actions.

Annual Earnings: In 2016, the median annual earnings of working-age people with disabilities working full-time/full-year in the US was \$40,300 vs the U.S Bureau of the Census has the **annual median personal income** at \$31,099 in 2016.

Employment rate only differs around 5%

Work will
never end

1. Automated testing
2. Guidelines for developers
3. Regression testing
4. Inform inform inform

Questions

In a fair society, all individuals would have equal opportunity to participate in, or benefit from, the use of computer resources regardless of race, sex, religion, age, disability, national origin or other such similar factors.

-Code of Ethics
Association of Software Testers
<https://www.associationforsoftwaretesting.org/code-of-ethics/>