

Accessibility in Practice

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Chapter 1

What is Accessibility?

What is Accessibility?

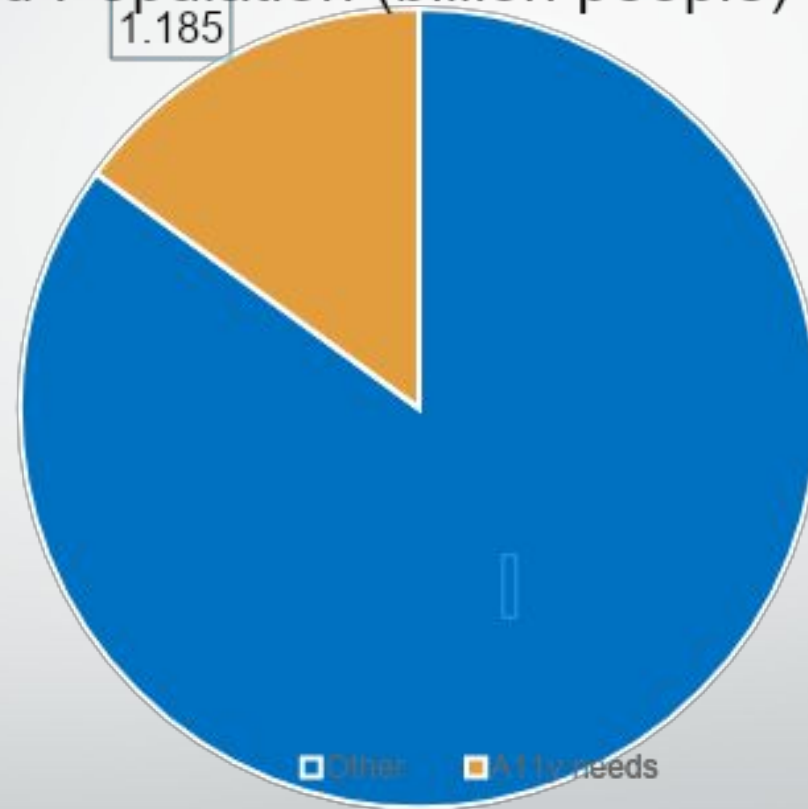


W3C definition: Websites, tools, and technologies are designed and developed so that people with disabilities can use them







Requires a thinking which is out-of-the box, many aspects should be considered from the planning phase.

What is Accessibility?







World Population (billion people)



What is Accessibility?

Permanent	Temporary	Situational
 One arm	 Arm injury	 New parent
 Blind	 Cataract	 Distracted driver

- Motor
- Visual
- Hearing
- Cognitive

Permanent	Temporary	Situational
 Deaf	 Ear infection	 Bartender
 Cognitive disability	 Learning, drugs, distress	 Interruption, distraction

What is Accessibility?



alamy - 2BM13YW



Chapter 2

WCAG – Web Content Accessibility Guidelines

WCAG

The diagram illustrates the WCAG criteria for three conformance levels: A, AA, and AAA. It compares the number of criteria in WCAG 2.0, WCAG 2.1, and a 'New' set of criteria. The criteria are represented by blue rounded rectangles, and the counts are shown in teal rounded rectangles. Dashed arrows point from the criteria to their respective counts, and solid arrows point from the counts to the criteria.

	WCAG 2.0	WCAG 2.1	New
A	25	30	5
AA	13	28	7
AAA	23	28	5

Chapter 3

How and What to Focus on While Testing?

Tooling

- Built-in text-to-speech tools, screenreaders (JAWS, Wave)
- Browser add-ons (A11y Insights for Web)
- Coloring helpers, contrast analysers

The image shows a screenshot of the Amazon website with several accessibility annotations. The annotations are numbered 1 through 13 and are connected to various elements on the page by lines. The page content includes the Amazon logo, a search bar, a main banner for 'Explore devices with Alexa', and four product categories: 'Soft dresses', 'Bargain tech accessories', 'Customers' most-loved', and 'Best Sellers in Outlet'. The annotations point to the Amazon logo (1), the search bar (2), the search bar's right side (3), the Alexa banner (4), the search bar's right side (5), the search bar's right side (6), the search bar's right side (7), the 'Soft dresses' category (8), the 'Soft dresses' category (10), the 'Soft dresses' category (11), the 'Bargain tech accessories' category (9), the 'Bargain tech accessories' category (12), the 'Bargain tech accessories' category (13), the 'Customers' most-loved' category (9), the 'Customers' most-loved' category (10), the 'Customers' most-loved' category (11), the 'Customers' most-loved' category (12), the 'Customers' most-loved' category (13), and the 'Best Sellers in Outlet' category (13).

amazon

Explore devices with Alexa

Soft dresses

Bargain tech accessories

Customers' most-loved

Best Sellers in Outlet

Shop Daily Ritual's dress

Shop Bargain Finds

Discover items with 4+ stars

Shop now

Examples – 1.1.1 Non-text Content (A)

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, inputs
- Time-based media
- Test
- CAPTCHA
- Decoration, Formatting, Invisible

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images-amazon.com/images/W/WEBP_402378-T1/images/G/01/AmazonExports/Fuji/20210811/dash_dress_2X._SY608_CB626369146_.jpg"> == $0
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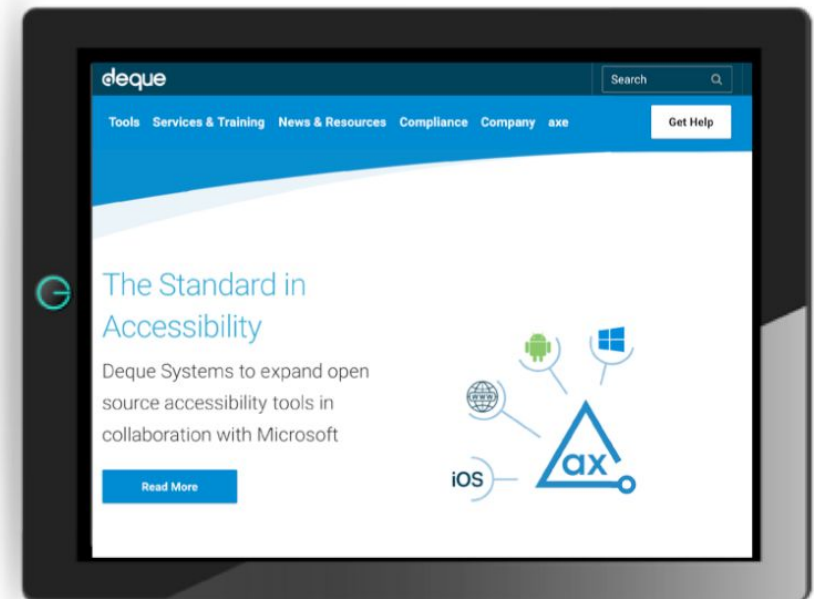
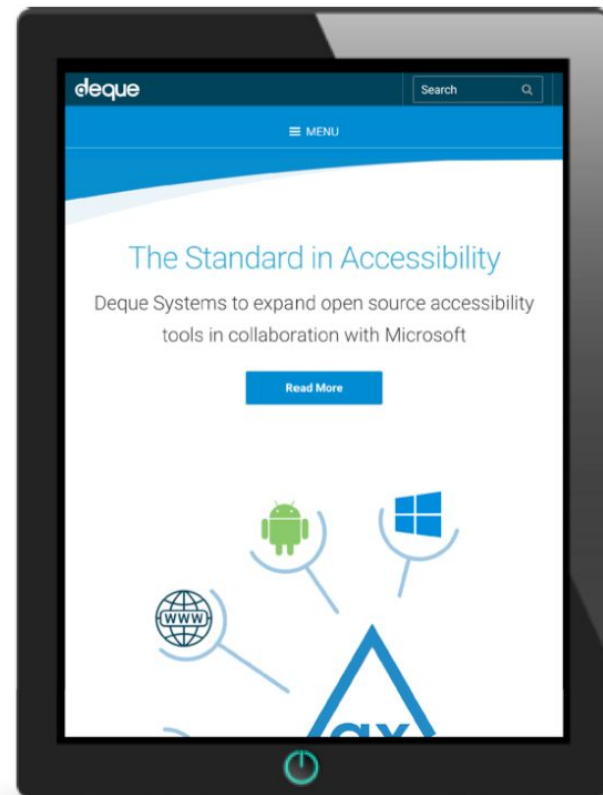

Examples – 1.2 Time-based Media

- 1.2.1 Audio-only and Video-only (Prerecorded) (A)
- 1.2.2 Captions (Prerecorded) (A)
- 1.2.3 Audio Description or Media Alternative (Prerecorded) (A)
- 1.2.4 Captions (Live) (AA)
- 1.2.5 Audio Description (Prerecorded) (AA)
- 1.2.6 Sign Language (Prerecorded) (AAA)
- 1.2.7 Extended Audio Description (Prerecorded) (AAA)
- 1.2.8 Media Alternative (Prerecorded) (AAA)
- 1.2.9 Audio-only (Live) (AAA)



Examples – 1.3.4 Orientation

Content does not restrict its view and operation to a single display orientation, such as portrait or landscape, unless a specific display orientation is essential.



Examples – 2.2.2 Pause, Stop, Hide (A)

For moving, blinking, scrolling, or auto-updating information, all of the following are true:

Moving, blinking, scrolling

For any moving, blinking or scrolling information that (1) starts automatically, (2) lasts more than five seconds, and (3) is presented in parallel with other content, there is a mechanism for the user to pause, stop, or hide it unless the movement, blinking, or scrolling is part of an activity where it is essential; and

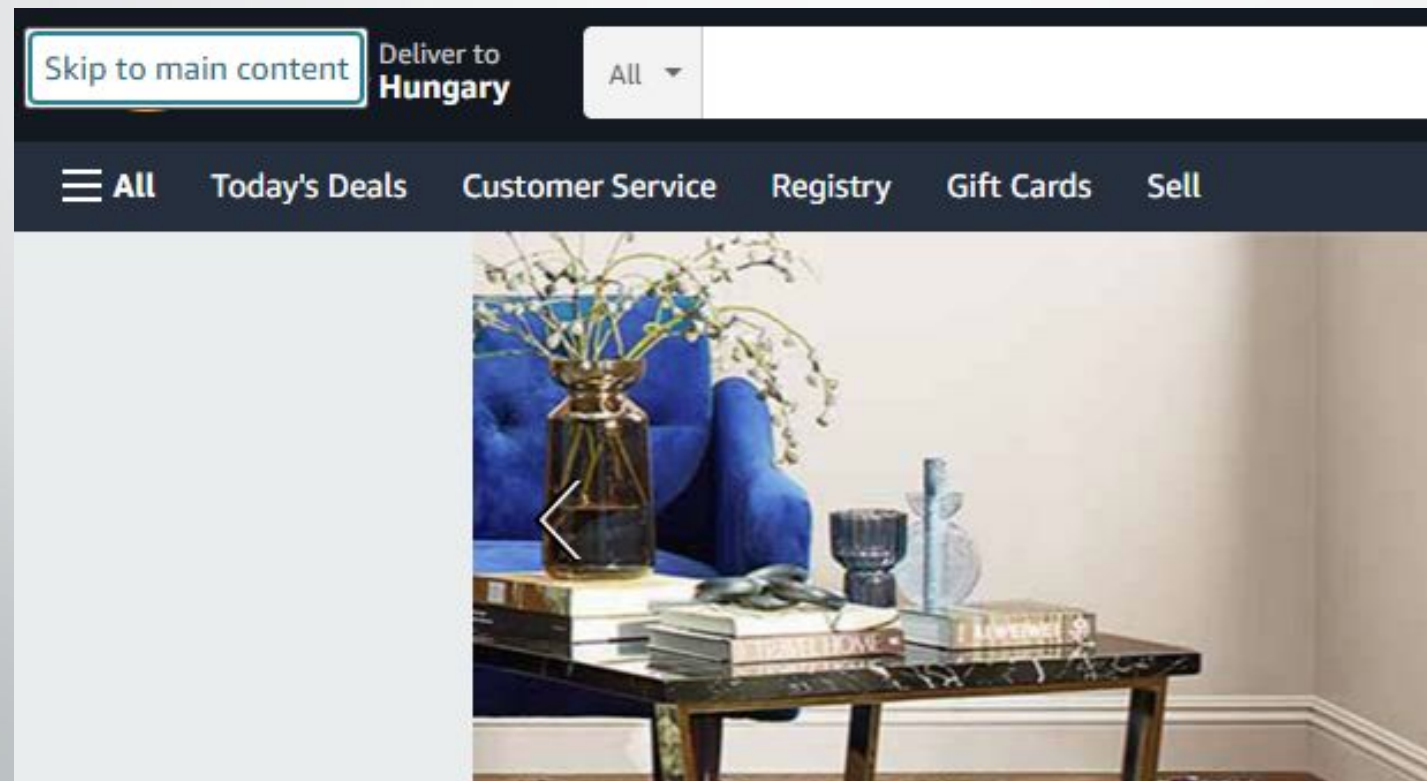
Auto-updating

For any auto-updating information that (1) starts automatically and (2) is presented in parallel with other content, there is a mechanism for the user to pause, stop, or hide it or to control the frequency of the update unless the auto-updating is part of an activity where it is essential.



Examples – 2.4.1 Bypass Blocks (A)


A mechanism is available to bypass blocks of content that are repeated on multiple Web pages.





Examples – 3.3 Input Assistance

- 3.3.1 Error Identification (A)
- 3.3.2 Labels or Instructions (A)
- 3.3.3 Error Suggestion (AA)
- 3.3.4 Error Prevention (AA)

Name
Tester

Email
Your email 
This email is invalid

Username
johnsilver 
This username is available

Password
... 
Password is too short

Chapter 4

Conclusions
(almost lunchtime)

Thank you!

