

ACCESSIBILITY

Week 09.1 - IST 263

INDIVIDUAL PROJECT

Progress / Next steps

IMPORTANCE OF ACCESSIBILITY

- Makes content available despite user disability
 - Accessibility challenges: vision, hearing, motor function, potential seizures
- Assistive technologies work with well-designed code
 - Screen readers, speech recognition, Braille displays, adaptive keyboards

IMPORTANCE OF ACCESSIBILITY

- Expands a website's audience
- Maintains compliance with regulations
 - Americans with Disabilities Act (ADA), Section 508, European Union (EU) Directive, WCAG Compliance
- Simple humane inclusiveness

CHALLENGES OF ACCESSIBILITY

- Standards & interpretation can vary
- Many levels of compliance with WCAG & across jurisdictions
 - <https://www.w3.org/WAI/standards-guidelines/wcag/>
- Potential changes in standards over time

TECHNIQUES FOR ACCESSIBILITY

- Keyboard friendly DOM: Logical headings & fun with Tab
- Alt attributes on images, Title attributes & descriptive link text
- Keep color contrast up
- Off-viewport ARIA labels & links to support skipping to main content

TECHNIQUES FOR ACCESSIBILITY

- Carefully label form elements
- Support flexible browser text resizing
- Never launch media – video or audio – on pageload!
- Test your content with a screen reader

TOOLS FOR ACCESSIBILITY

- <https://webaim.org/resources/contrastchecker/>
- <https://wave.webaim.org/>
- Browser extensions:
<https://wave.webaim.org/extension/>
- W3C tools: <https://www.w3.org/WAI/ER/tools/>

LAB ACTIVITY

WAVE Plugin <https://wave.webaim.org/extension/>

HTML FORMS

Next Class