**Website Accessibility**

Content from: WCA 2.1 Guidelines (W3C)

1. <u>Perceivable</u> - Information and user interface components must be presentable to users in ways they can perceive;
    1.1. 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.
    1.2. Provide alternatives for time-based media.
    1.3. Create content that can be presented in different ways (for example simpler layout) without losing information or structure.
    1.4. Make it easier for users to see and hear content including separating foreground from background.
2. <u>Operable</u> - User interface components and navigation must be operable;
    2.1. Make all functionality available from a keyboard.
    2.2. Provide users enough time to read and use the content.
    2.3. Do not design content in a way that is known to cause seizures or physical reactions.
    2.4. Provide ways to help users navigate, find content, and determine where they are.
    2.5. Make it easier for users to operate functionality through various inputs beyond the keyboard.
3. <u>Understandable</u> - Information and the operation of user interface must be understandable;
    3.1. Make text content readable and understandable.
    3.2. Make Web pages appear and operate in predictable ways.
    3.3. Help users avoid and correct mistakes.
4. <u>Robust</u> - Content must be robust enough that it can be interpreted by a wide variety of user agents, including assistive technologies.
    4.1. Maximize compatibility with current and future user agents, including assistive technologies.

Evaluation Tools:

1. <u>Google Lighthouse</u> - A Chrome browser extension. It provides you with an immediate report on the accessibility of your website. Google Lighthouse looks at the performance, accessibility, best practices, and SEO of the webpage.
2. <u>WAVE</u> - A Chrome browser extension that provides you with visual feedback on your webpage by using different color icons. Each icon indicates a different error.