**Introduction**

Web Content Accessibility Guidelines (WCAG) is developed through the W3C process in cooperation with individuals and organizations around the world, with a goal of providing a single shared standard for web content accessibility that meets the needs of individual, organizations, and governments

internationally.

The WCAG documents explain how to make web content more accessible to people with disabilities. Web “content” generally refers to the information in a web page or web application, including:

• natural information such as text, images, and sounds

• code or markup that defines structure, presentation, etc.

**WCAG 2.0 and 2.1**

WCAG that are organized under 4 principles: perceivable, operable, understandable, and robust. For each guideline, there are testable success criteria, which are at three levels: A, AA, and AAA.

**• Perceivable –**

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

**• Operable –**

**The navigation and user interface elements must be operable. This should make sure that all the operations will be accessible by the end user with a disability.**

**• Understandable –**

**The information and the operation of the user interface must be understandable.**

**• Robust –**

**The content should be robust enough, that it can be interpreted reliably using assistive technologies. For example, you have to make sure that the website you are building, supports the latest browser versions and is compatible with the screen readers that are used by the blind users.**

**Why Web Accessibility is Important.**

It is important that the Web will be accessible to everyone in order to provide equal access and equal opportunity to people with disabilities. An accessible Web can help people with disabilities participate more actively in society.

WCAG defines how to make Web content more accessible to people with disabilities.

Accessibility involves a wide range of disabilities, including visual, auditory, physical, speech, cognitive, language, learning, and neurological disabilities.

Is WCAG is a legal requirement?

WCAG compliance required for all government web sites. The law requires all websites to be universally designed. ... US federal agencies' websites must comply with Section 508 guidelines.Nov