

Web Accessibility

Study the current guidelines and requirements for making a website accessible to users with disabilities. Section 508 of the Rehabilitation Act establishes guidelines for government agencies and the W3C has published specifications for web designers. Students will learn ways in which users with disabilities access websites and receive hands-on tips and techniques for making websites accessible.

Who should take this course?

This class is for web designers who need to enhance their websites to meet accessibility standards and guidelines.

Course Objectives

- Identify the barriers that inaccessible websites create for users with disabilities.
- Define the legal implications for designing an inaccessible website.
- Create website content that is perceivable for people with disabilities.
- Create user interface components that are operable for people with disabilities.
- Create website content that makes the information understandable for people with disabilities.
- Create robust website content so that people with disabilities can access the site using different technologies.

Course Details

- Length: 9 hours
- Format: Classroom
- Prerequisites: HTML: Level 2 and Designing Effective Websites or equivalent knowledge and experience.

The above prerequisites are considered to be the basic skills and knowledge needed prior to taking this class. Instructors will assume your readiness for the class materials and will NOT use class time to discuss prerequisite materials.



Course Contents

Identify the barriers that inaccessible websites create for users with disabilities.

- Define the types of disabilities that can make using websites difficult.
- Describe the challenges that people with disabilities encounter when using websites.
- Describe the positive effects of web accessibility.
- Identify the assistive technologies that people with disabilities use to access websites.

Define the legal implications for designing an inaccessible website.

- Identify the Section 508 requirements for building an accessible website.
- Identify the Web Content Accessibility 2.0 guidelines and conformance levels.
- Identify the potential consequences of not conforming to the accessibility guidelines.

Create website content that is perceivable for people with disabilities.

- Create electronic text alternatives for non-text page elements.
- Create appropriate alternatives for audio and video content.
- Create content that is adaptable to different methods of presentation.
- Create visual and auditory components that allow users with disabilities to distinguish the foreground from the background.

Create user interface components that are operable for people with disabilities.

- Build pages so that all functionality is available from a keyboard interface.
- Create interface elements that provide users sufficient time to read and respond.
- Create content that avoids known triggers that can cause seizures.
- Create page components that show users their current location within a website and allow navigation choices that help them to find the desired content.



Course Contents, continued

Create website content that makes the information understandable for people with disabilities.

- Create text content that is easy to read and comprehend.
- Create pages that look consistent and work predictably.
- Build page elements that provide a way to detect and correct errors.

Create robust website content so that people with disabilities can access the site using different technologies.

- Create pages using current design and coding standards.
- Build page elements that work with current user agents and assistive technologies