

ADA (Accessibility) Testing

Course outline

Software Testing Tools

- What is Accessibility
- Types of disabilities and statistics
- Impacts of Inaccessible Web/Mobile applications
- Reasons for Inaccessible Web/Mobile applications
- Accessibility Laws
- WCAG – Web Content Accessibility Guidelines
- Principles of Accessible Design
- Assistive Technologies

Accessibility Testing

1. WCAG – Web Content Accessibility Guidelines Principles

- Perceivable
- Operable
- Understandable
- Robust

2. Assistive Technologies

- Screen Readers
- Screen magnifiers
- Switch Devices

3. Keyboard Interaction

- Interaction of Web applications using Keyboard alone

4. Screen Reader Interaction (Web)

- Interaction and Testing of Web applications using Screen readers and Keyboard shortcuts

5. Screen Magnification

- Interaction and Testing of Web applications using Screen magnification techniques and tools

6. Color Contrast

- Testing the Color Contrast ratio of Web content using Color Contrast analysers and Developer tools etc.

7. Screen reader Interaction (Mobile)

- Interaction and Testing of Mobile applications using Screen reader gestures

8. Screen Magnification (Mobile)

- Interaction and Testing of Mobile applications using Screen magnification gestures

9. Switch Interaction