Practical Web Accessibility Standards for Designers and Testers: WCAG 2.1 and 2.2 - TT4215

Explore how to build inclusive, user-friendly digital experiences with practical skills that support accessibility for everyone.

Duration: 3 Days
Skill Level: Introductory
Available Format: Instructor-Led Online; Instructor-Led, Onsite In Person ; Blended

Explore how to design and test digital experiences that are easier for everyone to use. This course introduces you to the world of web accessibility through engaging lectures, real-world project demos, and thoughtful discussions led by a seasoned UI expert. You will explore how people interact with content in different ways, what barriers they face, and how standards like WCAG 2.1 and 2.2 help improve usability and inclusion. Instead of hands-on work, you will observe practical examples, see how accessibility is applied in real design and testing situations, and walk away with clear ideas you can bring back to your own projects. Whether you work in UX, development, QA, or content, this course helps you build awareness, ask better questions, and think more inclusively about every user.

What You'll Learn

Overview

Web accessibility is the key to creating digital experiences that work for more people, regardless of how they navigate or interact online. This expert-led course helps you understand what accessibility really means in everyday design and testing work, and why it is an essential part of creating user-friendly, inclusive websites and apps. Through engaging presentations and real-world demonstrations, you will see how thoughtful design decisions make a lasting difference.

Throughout the lecture based course, a seasoned UI expert will showcase and demonstrate many practical examples, share lessons from actual projects, and show how to approach accessibility with clarity and confidence. You will explore how people experience the web in different ways, what common barriers look like, and how to apply the key WCAG 2.1 and 2.2 standards to improve usability and compliance. You will also discuss the role of assistive tools, keyboard access, readable content, and ethical considerations that shape inclusive design decisions.

This course is ideal for designers, developers, QA testers, product teams, and content creators who want to build their understanding of accessibility and WCAG standards. Whether you are just starting to explore inclusive design or looking to support your team's accessibility efforts, this course gives you real insights and actionable ideas to bring back to your work. No hands-on activities are required during class, so you can focus on learning from expert examples, asking questions, and participating in guided discussions that help connect the material to your own role.

Objectives

The overall goal of this course is to help you build the skills and confidence to create web experiences that are accessible, inclusive, and easy for everyone to use.

Throughout the course, guided by our expert UX/UI Accessibility instructor, you will learn how to:

- Explain what web accessibility means and why it is essential for inclusive design.
- Identify different types of disabilities and how they can impact digital interactions.
- Understand how assistive technologies work and how users rely on them.
- Apply the four WCAG principles to improve the accessibility of websites and digital content.
- Evaluate web content using basic accessibility tools and testing strategies.
- Recognize ethical and legal responsibilities related to accessibility and inclusive design.

If your team requires different topics, additional skills or a custom approach, our team will collaborate with you to adjust the course to focus on your specific learning objectives and goals.

Audience

This is a beginner-friendly course suitable for anyone involved in designing, developing, or maintaining digital content. Ideal attendees include UX and UI designers, developers,

content strategists, QA engineers, and product team members looking to improve usability and inclusion. You do not need to be an expert in accessibility, but a basic understanding of the web and user experience is helpful.

Pre-Requisites

This is a beginner-friendly course suitable for anyone involved in designing, developing, or maintaining digital content. Ideal attendees include UX and UI designers, developers, content strategists, QA engineers, and product team members looking to improve usability and inclusion. You do not need to be an expert in accessibility, but a basic understanding of the web and user experience is helpful.

TT4190	Getting Started with React Essentials
TT4195	Mastering React Boot Camp
TT4210	Introduction to User Experience (UX) Skills for Non-Developers: Build Better Websites and User Journeys

Agenda

Please note that this list of topics is based on our standard course offering, evolved from current industry uses and trends. We will work with you to tune this course and level of coverage to target the skills you need most. Course agenda, topics and labs are subject to adjust during live delivery in response to student skill level, interests and participation. The course tools, topics, use cases and hands-on labs can also be easily adjusted to suit your specific needs, goals or requirements. Please inquire for details and options.

Introduction to Web Accessibility
- What is Web Accessibility?
- Web Accessibility and Related Areas
- History of web Accessibility Standards
- Accessible Design is Good Design

Who does accessibility affect?
- Diversity of Abilities
- What is a Disability
- Auditory Disabilities
- Visual Disabilities
- Physical Disabilities

- Cognitive, Learning, and Neurological Disabilities
- Speech Disabilities

Assistive technology
- What is Assistive Technology (AT)?
- What are Adaptive Strategies
- Types of Assistive Technology

Understanding WCAG
- What is WCAG?
- The World Wide Web Consortium (W3C)
- Versions of WCAG
- WCAG Principles (POUR)
- WCAG Guidelines and Success Criteria
- Conformance Levels of WCAG
- Ethical and Legal Considerations

Principle 1: Perceivable
- Defining Perceivable
- Guideline 1.1 Text Alternatives
- Guideline 1.2 Time-based Media
- Guideline 1.3 Adaptable
- Guideline 1.4 Distinguishable

Principle 2: Operable
- Defining Operable
- Guideline 2.1 Keyboard Accessible
- Guideline 2.2 Enough Time
- Guideline 2.3 Seizes & Physical Reactions
- Guideline 2.4 Navigable
- Guideline 2.5 Input Modalities

Principle 3: Understandable
- Defining Understandable
- Guideline 3.1 Readable
- Guideline 3.2 Predictable
- Guideline 3.3 Input Assistance

Principle 4: Robust

- Defining Robust
- Guideline 4.1 Compatible

Testing for Accessibility
- Testing for Accessibility
- Tools for Evaluating Accessibility
- Getting Started with Easy Checks
- Testing with Users
- Conformance Evaluation and Reports
- Next Steps in Skills Journey

Related Courses

TT4214	Hands-On UX Workshop: Designing Web and App Experiences That Work
TT4154	Introduction to TypeScript: Clean Code and Strong Skills for Web Developers
TT4215	Practical Web Accessibility Standards for Designers and Testers: WCAG 2.1 and 2.2
TT4190	Getting Started with React Essentials
TT4195	Mastering React Boot Camp
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Setup Made Simple! All of our course software, digital course files or course notes, labs, data sets and solutions, live coaching support channels and rich extended learning and post training resources are provided for you in our easy access, single source, no install required online Learning Experience Platform (LXP), remote lab and content environment. Or we can provide a local installation (trial edition) to setup and use on your machine. Access periods and versions vary by course. Please inquire about set up details and options for your specific course of interest. Regardless of setup option, we will collaborate with you to ensure your team is set up and ready to go well in advance of the class.

Ways to Learn: At Trivera, we believe that Experience is Everything. Our customizable, hands-on courses are delivered live online, onsite, or in a blended format for maximum flexibility. We provide real-time expert-led training and coaching for all skill levels, from small groups to enterprise-wide programs, ensuring every learner gains the latest, most relevant job-ready skills they can apply with confidence. This course is also available for individuals or small groups on our extensive Public Schedule (see current dates below). We look forward to helping you take the next steps in your modern web developer learning journey.

For More Information

Please contact us or call 844-475-4559 toll free for more information about our training services (instructor-led, self-paced or blended), coaching and mentoring services, public course enrollment or questions, partner programs, courseware licensing options and more.