Updated on 26/09/2023

Sign up

WAI ARIA training

2 days (14 hours)

Presentation

Our WAI-ARIA training course will take you to the heart of web accessibility, equipping you with the essential skills to ensure that your web interfaces meet the highest accessibility standards. Over the course of the course, you'll develop in-depth expertise in web accessibility as you explore WAI-ARIA guidelines in detail and learn how to put them into practice. You'll discover how to create
inclusive online experiences using accessibility features, while adopting adapted design and development techniques. This training will help you understand the needs of users with disabilities, identify accessibility errors and correct them effectively. During the course, we'll explore best practices for ensuring that your web interfaces comply with the following guidelines WAI-ARIA, ensuring optimum accessibility for all users. As with all our training courses, this one will introduce you to the latest WAI ARIA resources (version 1.2).

Objectives

- Understanding the basics of WAI ARIA
- Apply basic WAI ARIA concepts effectively
- Navigating and interacting with WAI ARIA
- Design accessible forms and custom widgets

Target audience

- **Web Developer**
- Web designers

Prerequisites

Understanding web development concepts.

WAI ARIA training program

Introduction to WAI ARIA

- What is WAI ARIA?
- The importance of web accessibility
- The benefits of using WAI-ARIA
- Standards and associated recommendations
- Prerequisites
- Setting up a test environment

WAI-ARIA basic concepts

- The roles
- The states
- The properties
- HTML elements and their relationship to WAI-ARIA
- Understanding the hierarchy of accessible objects
- Practice using ARIA attributes
- Best practices for using WAI-ARIA

Navigating and interacting with WAI-ARIA

- Keyboard navigation and focus roles
- Techniques for improving the user experience
- Using widget roles
- Tips for consistent navigation
- Case studies and interactive exercises
- Browser compatibility test

Forms management

- Creating accessible forms
- Using ARIA form roles
- Data validation with WAI-ARIA
- Tips for user-friendly forms
- Case studies of complex forms
- Accessibility testing of forms

Customized, dynamic widgets

- Creating custom widgets
- Using ARIA roles for dynamic components

- Best practices for interactive widgets
- Advanced accessibility testing
- Concrete examples of custom widgets

Optimization and best practices

- Optimization strategies
- Automated and manual accessibility testing
- The importance of user feedback
- WAI-ARIA updates and developments
- Resources and communities for further information

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.