

Course : RGAA, auditing the accessibility of a website or mobile application

Practical course - 5d - 35h00 - Ref. ACJ

Price : 2840 € E.T.

 4,8 / 5

The accessibility of websites and mobile applications has become a commercial and regulatory necessity. This practical course explains how to audit websites and applications in accordance with the RGAA, France's accessibility standard. Without going into the details of code or interface design, it shows good practice.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understand the main accessibility standards for a website and how they relate to each other.
- ✓ Be able to find and explain the RGAA accessibility criteria
- ✓ Be able to find and explain the accessibility criteria of the RGAA-APPS
- ✓ Find tools to validate the accessibility criteria of a website or mobile application.
- ✓ Know how to conduct and report on an RGAA audit of a website or mobile application

Intended audience

Testers, receivers, auditors, technical managers, accessibility consultants, quality managers.

Prerequisites

Basic knowledge of HTML, CSS. Basic knowledge of JavaScript desirable. Must have completed the training course "Digital accessibility awareness" or have equivalent knowledge.

PARTICIPANTS

Testers, receivers, auditors, technical managers, accessibility consultants, quality managers.

PREREQUISITES

Basic knowledge of HTML, CSS. Basic knowledge of JavaScript desirable. Must have completed the training course "Digital accessibility awareness" or have equivalent knowledge.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

Practical details

Hands-on work

Alternating conceptual presentations and practical work.

Teaching methods

Evaluation of website accessibility, transfer of auditing practices to mobile (iOS or Android, as chosen by participants). The audit criteria and tools will be chosen by the instructor.

Course schedule

1 W3c/WAI standards and methods

- W3C Web Accessibility Initiative (WAI) principles.
- Introduction to international standards: WCAG, ARIA, ATAG, UAAG.
- The ARIA (Accessible Rich Internet Application) technical specification, a semantic complement for web elements.
- WCAG (Web Content Accessibility Guidelines): 4 principles, 13 guidelines.
- WCAG-EM (Website Accessibility Conformance Evaluation Methodology).

2 Standards and documents proposed by the French government

- The RGAA, "Référentiel Général d'Amélioration de l'Accessibilité" for websites.
- Relationship between RGAA and WCAG.
- The RGAA's 13 categories of accessibility criteria.
- RGAA audit kit: audit grid, audit report, accessibility declaration.
- The sample of pages to be audited: imposed pages, randomly selected pages.
- Derogations and exemptions.
- How to carry out the audit methodically. Grouping accessibility criteria.
- How to prioritize accessibility criteria according to context.

3 Tools for testing website accessibility

- Different types of test tools: automatic, simulation, interface inspection...
- Tool sources. WAI's "Web Accessibility Evaluation Tools List".
- Tool selection criteria: environment, use, scope of application, features...
- Methodologies and tools adapted to each type of test.
- The limits of accessibility testing tools.

Hands-on work

Installation and use of some accessibility testing tools.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

4 RGAA visual and multimedia criteria

- Les images : images informatives ou de décoration, alternatives textuelles et autres informations associées.
- Colors, associated information, contrasts.
- Presentation: style sheets, visibility of interactive elements and focus, comprehensibility of content.
- Executives and their titles.
- Tables: text alternatives, readability of vocalized content, cell identification.
- Multimedia: text transcriptions, subtitles, audio description, feature control.

Hands-on work

Start of an RGAA audit: discovery of the website, preparations. Testing of a number of accessibility criteria. Collective reflection on the issues involved.

5 Other RGAA accessibility criteria

- Links and their titles.
- Scripts: alternatives, keyboard access, context switching, status messages.
- Forms: field labels and grouping, input and correction functions
- Mandatory elements: document type, title, language, separation of semantics and presentation.
- Page structuring: headings, lists, quotations.
- Navigation systems, avoidance or quick access links, keyboard access.
- Site behavior control: movements, triggers, flashes and refreshes.
- Office documents and cryptic content.

Hands-on work

Testing certain accessibility criteria. Collective reflection on the issues involved. Preparation of RGAA audit report and accessibility declaration.

6 Testing the accessibility of mobile applications

- The specifics of mobile auditing and what it has in common with web auditing.
- The two types of mobile audit: developer (pre-launch) and user (post-launch).
- Accessibility gestures to master for the user audit.
- Essential accessibility features to test with.
- Accessible display, vocalization, compatibility with external peripherals.
- Other accessibility features, accessibility testing in all-public mode.
- Accessibility Scanner interface inspector for Android.
- The conditions, constraints, environment and processes of a developer audit.
- Applying web methodology to mobile in the spirit of WCAG and RGAA.
- Website testing in the mobile environment.

Hands-on work

Familiarization with the interface descriptor (TalkBack, VoiceOver) and navigation using accessibility gestures, on your choice of Android or iOS. Once comfortable, brief evaluation of a mobile application (optional).

7 RGAA-APPS visual and multimedia criteria

- The RGAA-APPS, "Référentiel Général d'Amélioration de l'Accessibilité" for mobile applications.
- The 12 RGAA-APPS criteria categories.
- The RGAA-APPS audit grid.
- The sample of screens to be audited: imposed screens, randomly selected screens.
- Graphic elements and alternative text.
- Colors, associated information, contrasts.
- The presentation of information, the legibility of even vocalized content, the visibility of focus and components.
- Tables: text alternatives, cell identification.
- Multimedia: transcriptions, audio description, compatibility with assistive technologies, controllability.

Hands-on work

Tests for the web audit in a mobile environment (smartphone or tablet) or testing of certain APPS criteria on a mobile application, as you wish (on the trainer's suggestion). Collective reflection on the relative relevance of RGAA and RGAA-APPS criteria for the mobile web.

8 Other RGAA-APPS accessibility criteria

- Consultation: time limits, movements, triggers, flashes, downloadable documents.
- Criteria "mobile" relating to touch interface and device movements.
- Interface components: keyboard and mouse access and usability, controllability.
- Forms: field labels and groupings, input and correction functions.
- Mandatory elements: titles, language, separation of semantics and presentation.
- Structuring information: headings, lists, abbreviations.
- Navigation: coherent organization of content, keyboard access.

Hands-on work

Suite des tests de site web ou d'application sur mobile. Un exercice d'« audit blanc » pourra être proposé en vue de préparer la conduite d'audit autonome en situation réelle (selon temps et sur proposition du formateur).