

The interactive studio

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Web Accessibility Audit Service

We evaluate digital products following WCAG guidelines to ensure they meet the required web accessibility standards.

56 WCAG 2.2 criteria

Accessibility levels A+AA

Automatic and manual verification with assistive technologies

We provide everything your product needs to meet the accessibility requirements set by law.

Accessibility Audits

Periodic Reviews

Accessibility Statement

Our accessibility service in three pillars

Web accessibility is not a one-time task, but a process. An initial audit marks the first step, but the real challenge comes immediately after, when new content is published, documents are uploaded, plugins are updated, new features are rolled out or new functionality is added. That is why our web accessibility service is designed to keep digital projects accessible over time.

We tailor each of our services to the needs, timelines and budget of each project.

Audit Current accessibility status of a website or app

With our audits we detect web accessibility barriers according to WCAG standards and official methodology, with manual and automatic verification using screen readers. For public bodies and companies, it allows compliance with current legal regulations, without complications.

Accessibility review report

Prioritized action plan with findings, technical and content recommendations, and impact

Accessibility statement

Support Accessibility with a holistic and ongoing approach

We support public bodies and companies in their day-to-day so that their accessibility is not affected by the addition of new content, updates, provider changes, etc.

Periodic audits

Testing of updates before launch

Support for development, design and content teams, both internal and external

Design systems Accessibility from the ground up

We integrate accessibility into the product and process through the creation of design systems that include components, guidelines and documentation that help the product grow in an accessible way.

Accessible redesign

Reusable accessible components

Usage guides for design and development

Our framework: WCAG, the web accessibility standard

WCAG (Web Content Accessibility Guidelines) are the most globally recognized international guidelines for web accessibility for websites and applications. They are developed by the W3C and have become the international technical reference on which, directly or indirectly, most web accessibility regulatory frameworks in Spain, Europe and the United States are based.



Europe EN 301 549

Both the **Web Accessibility Directive** (2016/2102) and the **European Accessibility Act** (2019/882), focused on the accessibility of public and private sector websites and mobile apps respectively, rely on **EN 301 549**, a harmonized standard largely based on WCAG 2.1 for the web-related part.



Spain RD 1112/2018 and Law 11/2023

Spain transposed the European directives through Royal Decree 1112/2018 (for the public sector) and Law 11/2023 (for certain private sector products and services). In practice, compliance monitoring is based on the EN 301 549 standard, which Spain's own official accessibility framework links to WCAG 2.1.



Estados Unidos Section 508 and ADA Title II - III

Section 508 requires US federal agencies to make their websites accessible in conformance with WCAG 2.0. Furthermore, since 2024, all websites and mobile apps of state and local public entities and some private sector companies must meet WCAG 2.1 accessibility criteria as the technical standard.

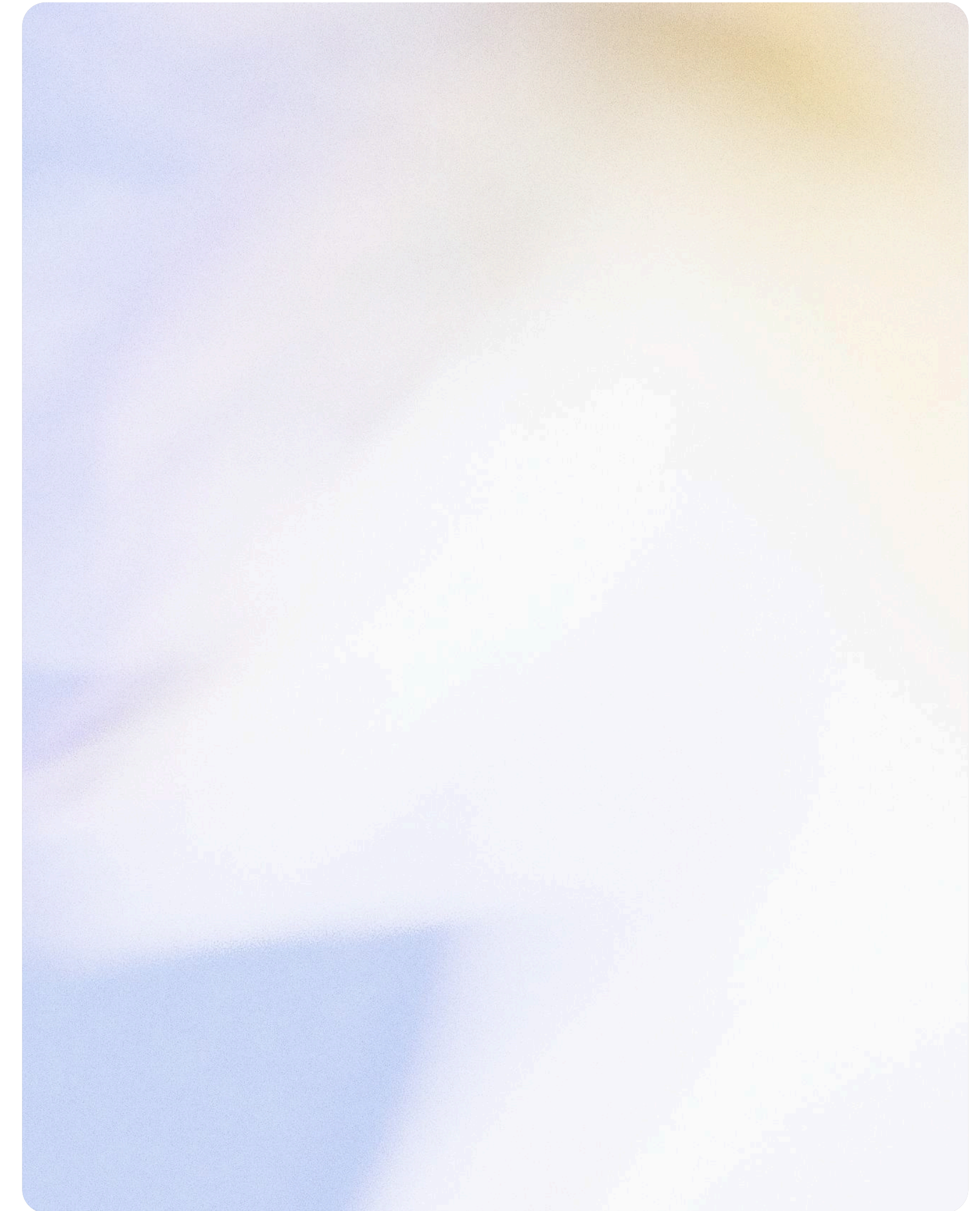
Version and level

Version WCAG 2.2

Although most technical references stick to WCAG 2.1, for our accessibility audits we use version **WCAG 2.2**, as it is the most current and complete version available today. Published in 2023, it maintains the same requirements as version 2.1 (from 2018) and extends them with criteria aimed at improving accessibility on mobile devices with touch interactions and for people with cognitive or attention difficulties.

Level AA

Our audits cover all Level A and AA criteria included in **WCAG 2.2**, which are considered the essential accessibility requirements and are those normally mandated by most regulations and technical references. Level A criteria form the foundation of accessibility for any website or application, as failing to meet them causes blocking barriers for some users. Level AA criteria address severe but non-blocking friction in use. Level AAA is considered an advanced improvement, but is not set as a general target because it involves complex criteria that are not always sustainable in all contexts.



List of analyzed WCAG criteria

WCAG	Title	Level	Version	WCAG	Title	Level	Version
1.1.1	Non-text Content	A	2.1 (2018)	1.4.5	Text in images	AA	2.1 (2018)
1.2.1	Audio-only and Video-only (Pre-recorded)	A	2.1 (2018)	1.4.10	Content Reflow	AA	2.1 (2018)
1.2.2	Captions (Pre-recorded)	A	2.1 (2018)	1.4.11	Non-text Contrast	AA	2.1 (2018)
1.2.3	Audio Description or Media Alternative (Pre-recorded)	A	2.1 (2018)	1.4.12	Text Spacing	AA	2.1 (2018)
1.2.4	Captions (Live)	AA	2.1 (2018)	1.4.13	Content on Hover or Focus	AA	2.1 (2018)
1.2.5	Audio Description (Pre-recorded)	AA	2.1 (2018)	2.1.1	Keyboard	A	2.1 (2018)
1.3.1	Info and Relationships	A	2.1 (2018)	2.1.2	No Keyboard Trap	A	2.1 (2018)
1.3.2	Meaningful Sequence	A	2.1 (2018)	2.1.4	Character Key Shortcuts	A	2.1 (2018)
1.3.3	Sensory Characteristics	A	2.1 (2018)	2.2.1	Timing Adjustable	A	2.1 (2018)
1.3.4	Orientation	AA	2.1 (2018)	2.2.2	Pause, Stop, Hide	A	2.1 (2018)
1.3.5	Identify Input Purpose	AA	2.1 (2018)	2.3.1	Three Flashes or Below Threshold	A	2.1 (2018)
1.4.1	Use of Color	A	2.1 (2018)	2.4.1	Bypass Blocks	A	2.1 (2018)
1.4.2	Audio Control	A	2.1 (2018)	2.4.2	Page Titled	A	2.1 (2018)
1.4.3	Contrast (Minimum)	AA	2.1 (2018)	2.4.3	Focus Order	A	2.1 (2018)
1.4.4	Resize Text	AA	2.1 (2018)	2.4.4	Link Purpose (In Context)	A	2.1 (2018)

List of analyzed WCAG criteria

WCAG	Title	Level	Version
2.4.5	Multiple Ways	AA	2.1 (2018)
2.4.6	Headings and Labels	AA	2.1 (2018)
2.4.7	Visible Focus	AA	2.1 (2018)
2.4.11	Non-hidden Focus (Minimum)	AA	2.2 (2023)
2.5.1	Pointer Gestures	A	2.1 (2018)
2.5.2	Pointer Cancellation	A	2.1 (2018)
2.5.3	Label in Name	A	2.1 (2018)
2.5.4	Motion Activation	A	2.1 (2018)
2.5.7	Drag Movements	AA	2.2 (2023)
2.5.8	Target Size (Minimum)	AA	2.2 (2023)
3.1.1	Page Language	A	2.1 (2018)
3.1.2	Parts Language	AA	2.1 (2018)
3.2.1	On Focus	A	2.1 (2018)
3.2.2	On Input	A	2.1 (2018)
3.2.3	Consistent Navigation	AA	2.1 (2018)

WCAG	Title	Level	Version
3.2.4	Consistent Identification	AA	2.1 (2018)
3.2.6	Consistent Help	A	2.2 (2023)
3.3.1	Error Identification	A	2.1 (2018)
3.3.2	Labels or Instructions	A	2.1 (2018)
3.3.3	Error Suggestion	AA	2.1 (2018)
3.3.4	Error Prevention (legal, financial, data)	AA	2.1 (2018)
3.3.7	Redundant Entry	A	2.2 (2023)
3.3.8	Accessible Authentication (minimum)	AA	2.2 (2023)
4.1.1	Parsing	A	2.1 (2018)
4.1.2	Name, Role, Value	A	2.1 (2018)
4.1.3	Status Messages	AA	2.1 (2018)

56

Analyzed Criteria

32

Criteria A

24

Criteria AA

6

Criteria 2.2

Methodology: Expert analysis with manual and automatic verification

Accessibility is not something you can detect with tools alone. Automated scans are fast and thorough, but they only tell part of the story. Many of the barriers that affect real users, such as confusing keyboard navigation or unclear labels, can only be identified by someone who knows what to look for.

That is why our methodology combines both approaches. We start with an automated analysis to efficiently detect technical issues across the entire codebase, and then our accessibility and web design specialists review each page manually, testing with screen readers, keyboard navigation, and text and content scaling, just as real users do when interacting with your site.

Automatic analysis

We have our own analysis tools that combine Lighthouse functionality with artificial intelligence agents. This allows us to quickly and accurately detect accessibility issues related to the evaluated criteria, streamlining the early stages of the audit.

Análisis manual experto

Our accessibility specialists review each page manually, replicating real user actions. They use assistive technologies such as screen readers (NVDA, VoiceOver, TalkBack) and the native text and content scaling features of browsers, to verify compliance with the criteria set out in the WCAG. Has dicho: sigues usando —: Accessibility is not something you can detect with tools alone.

Analysis across every platform

In our accessibility analyses we distinguish three key environments: web (both desktop and mobile), native iOS applications, and native Android applications. This distinction is essential, as each environment requires specific tools, methodologies and devices, even if the flows or pages being evaluated are equivalent.

To ensure solid and actionable results, we recommend analyzing a minimum of five URLs or steps per environment. This volume allows us to obtain a sufficiently representative and conclusive picture of the accessibility level. The selection of these URLs or steps can be adapted to your company's priorities, focusing on the areas with the greatest impact within the user journey.

Web

Your website or web application, on mobile and desktop devices

For web environments we typically work with a combination of Chrome + Windows 11 + NVDA (screen reader) for desktop testing and Chrome + Android + TalkBack (screen reader) for mobile testing, although we can also extend the analysis to other environments (such as Safari + macOS/iOS + VoiceOver) depending on the needs of each project.

iOS

Native applications for iPhone

We run our tests for native iOS mobile applications on real devices.

Android

Native Play Store applications

We run our tests for native mobile applications on Android devices.

Accessibility review report

Once the analysis is complete, carried out through automatic verification and manual review of the specified URLs, we produce an accessibility review report that includes, for each page, the conformance results for all 56 WCAG criteria, both on mobile and desktop, along with the evidence gathered during the evaluation.

05 Analysis

Checklist

WCAG	Check	Level	Review	Mobile	Desktop	Evidence	Legend	Impact	Effort
1.4.2	Volume control <small>Audios that start automatically when a page loads must be able to be paused, stopped, or have their volume controlled.</small>	A	Manual	N/A	N/A	This criterion does not apply to that page.		N/A	N/A
1.4.3	Text contrast <small>The contrast between the text and its background meets minimum standards to facilitate reading.</small>	AA	Automatic	Fail	Fail	The contrast is defined in the styles (external CSS), and in the rendered interface there are text/background parts that do not meet the minimum required; therefore, the contrast criterion is not met.	1	Medium	Bajo
1.4.3	Text contrast for states <small>In elements with multiple states (such as buttons), the contrast between the text and its background meets minimum standards to facilitate reading in their different states (hover, focus...), except when they are not available for user interaction (disabled).</small>	AA	Manual	Pass	Pass	This page does not have traditional buttons but interactive elements that show states similar to social media, like "Default" and "Hover" options. Both states meet accessibility criteria, although the difference between them is subtle, as the color change is minimal.		N/A	N/A
1.4.4	Text resizing up to 200% <small>Text size can be changed up to twice its original size without loss of content or need for additional scrolling, without assistive technology.</small>	AA	Automatic	Pass	Pass	Text size can be resized without issues.		N/A	N/A
1.4.5	Text in images <small>Avoid using images of text when real text could be used.</small>	AA	Manual	Fail	Fail	The page uses images with embedded informative text, which makes it inaccessible to screen readers. This is especially noticeable in the initial sliders/banners and in the "Featured" section, where several links are banner-type images with text inside. This reduces accessibility (zoom, reflow, and reading by assistive technologies).	2	High	Medium
1.4.10	Reflow <small>When zooming in on the screen, no unnecessary horizontal scrolling appears and functionality is not lost.</small>	AA	Manual	Pass	Pass	There is no horizontal scroll when increasing the page size.		N/A	N/A
1.4.12	Text spacing <small>The line height of high-density texts is at least 150% of the font size. The spacing between paragraphs is at least 200% of the font size.</small>	AA	Manual	Fail	Fail	In the reviewed fragment, no reading texts marked as <p> are observed, so the "in paragraphs" point cannot be literally verified. However, the equivalent textual content (headings/text blocks) uses low line heights (line-height: 1 in body and 1.1em in various texts) and the reset removes margins (p { margin:0; }), which prevents ensuring 150% and 200% in reading.	3 4 5	Medium	Medium
2.1.1	Keyboard navigation <small>All interactive elements on the page are accessible via keyboard.</small>	A	Manual	N/A	Fail	There are important elements during tab navigation that are not selectable or interactive.	6 7	High	High

Actionable and prioritized task list

Along with the accessibility report, we deliver an Excel document with a list of specific tasks to carry out in order to fix all the non-conformances detected during the analysis, including for each one a description of the problem and a proposed solution. Each task is assigned an overall impact score (based on the severity of the non-conformance, its scalability and its effort) and a recommended execution order is suggested to achieve improvements with the least effort in the shortest time possible.

$$\text{Impact} = (\text{Level} \times \text{Scalability}) / \text{Effort}$$

Level: Impact on the user

Level A criteria form the foundation of a site's accessibility because they involve blocking barriers for some users. Therefore, fixing these issues will have a greater impact than fixing Level AA ones, which relate to severe but non-blocking friction in use (though they are also required).

Scalability: Impact on the system

Issues can be classified into three levels (low, medium or high) according to their scalability: if they are limited to specific parts of the codebase and cannot be extrapolated to other areas, fixing them will have less impact than fixing those that affect common site-wide elements or widely used components.

Effort: Impact on the organization

Effort (low, medium or high) indicates the technical complexity and the cost in time and resources required to resolve an issue. If the effort is low, the task can be solved quickly and with little difficulty, whereas if the effort is high, deeper changes and a greater investment of time are required.

Conformance test and accessibility statement

Once the necessary adjustments and improvements have been applied, we run a full test to produce an accessibility report and an accessibility statement (VPAT or similar).

Development adjustments to meet accessibility criteria can be handled by your internal teams or, if needed, by our own team of developers.

Examples by Project

EXAMPLE 01

Web Accessibility Audit

Includes

- Five URLs/steps of a site/application
- Review of 56 WCAG 2.2 A+AA criteria using a combination of manual and automated methodologies.
- Use of screen readers (NVDA and TalkBack)
- Use of native zoom.
- Testing in one environment (e.g., Chrome + Windows/Android), both desktop and mobile resolutions.
- Preliminary review report.
- Prioritized list of actionable tasks.
- Weekly follow-up meetings.

Project duration

2 weeks

EXAMPLE 02

Web Accessibility Audit with Verification

Includes

- Same points as in Example 01.
- Complete verification test after implementing adjustments and improvements suggested in the preliminary report.
- Accessibility statement.

Project duration

4 weeks

EXAMPLE 03

Accessibility Adjustments in Development

Includes

- Preliminary evaluation of necessary adjustments.
- Our development and design team will carry out the necessary adjustments to resolve accessibility issues detected in the audit.

Project duration

Depending on scope

EXAMPLE 03

Development of Accessible Design System

Includes

- Define and develop reusable system components according to accessibility criteria.
- Documentation of components and usage guidelines.
- Publication on a website.

Project duration

Depending on requirements

Why work with The Interactive Studio

- 01 Real experience at your service
- 02 Impact from day one
- 03 International experience

We have extensive experience working with Spanish public administrations and large companies on digital projects, including web accessibility projects, which allows us to apply effective, tested solutions to your project.

We work with a practical, results-oriented approach. We know the regulations, procedures, and tools. We know where to start and how to prioritize each phase to generate impact from day one, optimizing time and resources.

We have worked on projects with distributed teams across different countries. This has taught us to communicate clearly, adapt to different cultural contexts, and maintain work quality regardless of distance.

Other services we offer

01

Product Design and UX

Design Systems

Web Design

Visual Identity

SEO/GEO

User Testing

Comprehensive product design, strategic consulting, and scalable design systems. We prioritize user needs and business goals to help you connect with your audience at every touchpoint.

02

Digital Product Development

Front-end

Applications

Data Visualization

CMS Implementation

e-Commerce

We design, build, and operate the digital products that support our clients' businesses. Strategy, design, and engineering working as one discipline for over two decades.

03

Artificial Intelligence

Agents

OpenClaw

Generative AI

We design and deploy AI systems that operate in production: vertical agents, RAG platforms based on corporate knowledge, and automation embedded in critical business processes.

Let's talk about real accessibility

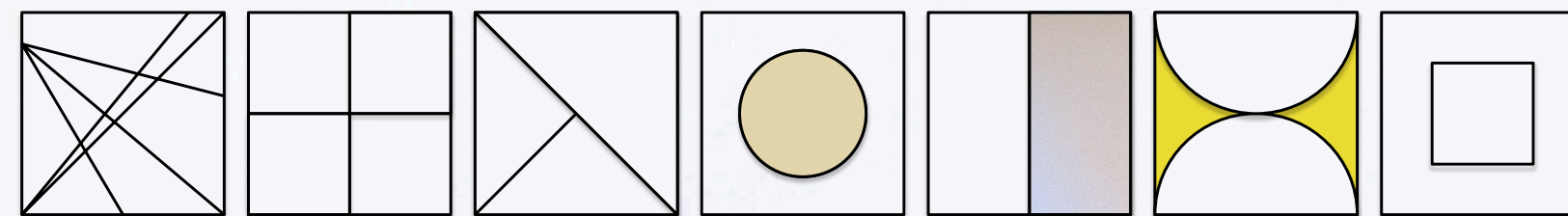
In a quick, no-obligation meeting, we explain the approach, define the scope, and propose a realistic plan, fully tailored to each type of project and budget.

Contact us.

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