

Disability Power 100

Accessibility Assessment Report

4th November 2024

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Introduction

Shaw Trust Accessibility Services conducted an accessibility audit on the Disability Power 100 website. This report documents the outcomes of the accessibility audit, identifying accessibility issues and describing their impact on users. In addition, to help solve each accessibility issue, practical solutions and best practices are provided.

The aims of this report are to firstly, identify accessibility barriers, and secondly, provide guidance on how to remove barriers to prevent older people and people with disabilities from being excluded.

Executive Summary

This report documents the outcomes of the accessibility audit on the Disability Power 100 website carried out by Shaw Trust Accessibility Services, . The website was evaluated against the W3C Web Content Accessibility Guidelines (WCAG) up to conformance level AA (see [Web Content Accessibility Guidelines](#) for details). Automated evaluation tools and manual testing by an experienced in-house pan-disabled testing team were utilised to complete a comprehensive accessibility audit (see [Methodology](#) for details).

Based on these results, Shaw Trust Accessibility Services is able to award the Disability Power 100 website an accessibility accreditation.. In order to be awarded a Shaw Trust Level AA accreditation, 100% conformance with level A success criteria and level AA must be achieved. In order to be awarded a Shaw Trust AAA accreditation, 100% conformance with level A, level AA and level AAA must be achieved.

Web Content Accessibility Guidelines

The World Wide Web Consortium (W3C) is the leading standards organisation for the World Wide Web who provides guidelines and specifications for many web technologies. The Web Accessibility Initiative (WAI), a branch of the W3C, is responsible for developing the Web Content Accessibility Guidelines (WCAG). The WCAG documents explain how to make Web content more accessible to people with disabilities including people with visual, hearing, cognitive and physical conditions. WCAG is recognised as the international standard for building accessible websites and measuring web accessibility.

Web Content Accessibility Guidelines 2.2

WCAG 2.2 was published as a “W3C Recommendation” web standard on 5th October 2023, bringing web accessibility guidance up to date with modern web technologies and development techniques. As a result, the W3C WAI recommends using WCAG 2.2, instead of older versions.

WCAG 2.2 works in concert with WCAG 2.0 & 2.1 and is comprised of four principles: perceivable, operable, understandable, and robust. The principles are broken down into 13 guidelines consisting of success criteria. WCAG 2.2 defines three levels of success criteria:

Level A – Lowest success criteria

Level AA – Intermediate success criteria

Level AAA – Highest success criteria

Conformance to WCAG 2.2 is measured using the same three levels that define the success criteria:

Level A – Achieved when all applicable Level A success criteria are satisfied. This is considered to be the absolute minimum level of compliance.

Level AA – Achieved when all applicable Level A and Level AA success criteria are satisfied. This is considered to be the preferred level of compliance.

Level AAA – Achieved when all applicable Level A, Level AA and Level AAA success criteria are satisfied. This is considered to be the optimum level of compliance.

Learn more about the WCAG: <http://www.w3.org/TR/WCAG>

Methodology

To conduct a thorough accessibility audit, the use of both automated evaluation tools and manual user testing with assistive technologies is essential.

Although automated tools are able to assess individual pages or entire websites much more quickly than a human counterpart, they can only test against a limited section of WCAG and are unable to analyse semantics where human judgement via user testing is imperative.

It is also crucial that users who have a disability carry out manual testing. This is because firstly, it is almost impossible to replicate conditions of disabled users and their use of assistive technologies to a realistic degree of accuracy, and secondly, because testing with disabled users provide a more accurate measurement of accessibility.

Shaw Trust Accessibility Services use a combination of automated evaluation tools and in-house pan-disability user testing with assistive technologies to conduct a comprehensive accessibility audit. Accessibility audits are conducted against WCAG Success Criterion. Testing is performed to level AA conformance unless a different level of conformance is requested.

Scope

In order to perform a comprehensive accessibility audit, the entire website must be tested. Although this can be achieved using automated evaluation tools, in many cases it is unfeasible to test an entire website manually. In this situation, the scope of manual testing is specified at the start of the audit.

The scope of manual testing involves establishing a representative sample of pages by employing various methods including using a list of pages common to many websites, inspecting the site for variations in layout and functionality and selecting pages at random. The sample may also include pages requested by the client.

In addition, the scope of manual testing may also include user journeys for sites that involve complex or multi-stage tasks, such as finding specific information, buying a product or completing a registration form. User journeys may be added to the scope of testing if deemed appropriate or at the request of the client.

Technical Testing

Technical testing involves testing the entire website for underlying technical errors or issues that could cause accessibility barriers. A Technical Consultant who possesses knowledge and experience of accessibility and web technologies conducts technical testing using one or more automated tools. These tools are used to scan pages for technical accessibility issues such as HTML/CSS parsing errors. The Technical Consultant then analyses and interprets the results.

Manual User Testing

The website is manually tested by an in-house team of experienced pan-disabled testers, many of which use assistive technologies. The team is made up of individuals with different disabilities to cover the widest range of accessibility barriers as possible. Each testing team consists of the following:

- **Keyboard Only User**

The user has a motor impairment that limits he or she to using only a keyboard to operate a computer or device. To make operation easier, the user may utilise an adaptive keyboard.

- **Voice Activation User**

The user has a motor impairment that limits him or her to using only voice commands to operate a computer or device via assistive technology such as microphone and dictation software.

- **Screen Reader User**

The user has a visual impairment that limits him or her to using assistive technology such as a screen reader to operate a computer or device via keyboard control and feedback via synthesised audible descriptions of visual elements.

- **Low Vision User**

The user has a visual impairment that limits his or her access to content presented at 100% magnification. The user utilises system/browser controls or assistive technology to increase screen magnification.

- **Colour Blind User**

The user has a visual impairment that limits his or her access to content within a certain colour spectrum. The user utilises system/browser controls or assistive technology to change the content's colour spectrum.

- **Deaf or Hard of Hearing User**

The user has a hearing impairment that limits his or her access to audio content.

- **Learning Difficulties User**

The user has a learning disability that limits his or her access to content that is presented in a way that requires a high level of literacy.

Note: Testers may have a combination of disabilities.

Manual auditing consists of each member of the team performing tests and/or completing user journeys based on criteria relevant to their individual disability and accessibility guidelines. The testers use multiple browsers, browser tools and assistive technologies in an aim to locate issues. They then report their findings and provide constructive feedback to help pinpoint and provide solutions to accessibility barriers.

Audit Details

Client Details

Organisation	Disability Power 100	
Primary Contact	Name	Mark Mitchell
	Position	
	Email	markprospects@googlemail.com

Provider Details

Organisation	Shaw Trust Accessibility Services	
Primary Contact	Name	Lianne Richards
	Position	Technical Account Manager
	Email	accessibility-services@shaw-trust.org.uk

Testing Details

Type	Website	
URL	https://disabilitypowr100.azurewebsites.net/	
Name	Disability Power 100	
Description	Website for Disability Power 100	
Primary Language	English	
Testing Type	Assessment	
Testing Environment	Windows 10 Google Chrome / Microsoft Edge JAWS 2020 / NVDA 2019 / ZoomText 2019 / Dragon Professional 15	
Testing Team	Alan Sleat Imran Akhtar Thomas Harrison Lee Ellery Rupi Phullar Darren Hardman Sam Hopkins Steve Evans Adam Armstrong William Treharne	Screen Reader Screen Reader Screen Reader Keyboard Only Keyboard Only Deaf Low Vision & Colour Low Vision & Colour Learning Difficulties Hard of Hearing
Technical Analyst	Kieran Stoakes	
Technical Consultant	Lianne Richards	
Quality Assurance	Lianne Richards	
Date Tested	01/11/2024	
Date Report Issued	05/11/2024	

Priority A Results

Issue(s) Ref	Success Criterion	Current Results
	1.1.1 Non-text Content	PASS
	1.2.1 Prerecorded Audio-only and Video-only	PASS
	1.2.2 Captions (Prerecorded)	PASS
	1.2.3 Audio Description or Media Alternative (Prerecorded)	PASS
	1.3.1 Info and Relationships	PASS
	1.3.2 Meaningful Sequence	PASS
	1.3.3 Sensory Characteristics	N/A
	1.4.1 Use of Colour	N/A
	1.4.2 Audio Control	N/A
	2.1.1 Keyboard	PASS
	2.1.2 No Keyboard Trap	PASS
	2.1.4 Character Key Shortcuts	N/A
	2.2.1 Timing Adjustable	N/A
	2.2.2 Pause, Stop, Hide	N/A
	2.3.1 Three Flashes or Below Threshold	N/A
	2.4.1 Bypass Blocks	PASS
	2.4.2 Page Titled	PASS
	2.4.3 Focus Order	PASS
	2.4.4 Link Purpose (In Context)	PASS
	2.5.1 Pointer Gestures	N/A
	2.5.2 Pointer Cancellation	N/A
	2.5.3 Label in Name	N/A
	2.5.4 Motion Actuation	N/A
	3.1.1 Language of Page	PASS
	3.2.1 On Focus	PASS
	3.2.2 On Input	PASS
	3.2.6 Consistent Help	PASS
	3.3.1 Error Identification	PASS
	3.3.2 Labels or Instructions	PASS
	3.3.7 Redundant Entry	PASS
	4.1.1 Parsing (Removed in WCAG 2.2)	PASS
	4.1.2 Name, Role, Value	PASS
Total		32
Non-Applicable		11
Compliant (Pass)		21
Non-Compliant (Fail)		00

Priority AA Results

Issue(s) Ref	Success Criterion	Current Results
	1.2.4 Captions (Live)	N/A
	1.2.5 Audio Description (Prerecorded)	N/A
	1.3.4 Orientation	PASS
	1.3.5 Identify Input Purpose	PASS
	1.4.3 Contrast (Minimum)	PASS
	1.4.4 Resize Text	PASS
	1.4.5 Images of Text	N/A
	1.4.10 Reflow	PASS
	1.4.11 Non-text Contrast	PASS
	1.4.12 Text Spacing	PASS
	1.4.13 Content on Hover or Focus	PASS
	2.4.5 Multiple Ways	PASS
	2.4.6 Headings and Labels	PASS
	2.4.7 Focus Visible	PASS
	2.4.11 Focus Not Obscured (Minimum)	PASS
	2.5.7 Dragging Movements	N/A
	2.5.8 Target Size (Minimum)	PASS
	3.1.2 Language of Parts	N/A
	3.2.3 Consistent Navigation	PASS
	3.2.4 Consistent Identification	PASS
	3.3.3 Error Suggestion	PASS
	3.3.4 Error Prevention (Legal, Financial, Data)	PASS
	3.3.8 Accessible Authentication (Minimum)	PASS
	4.1.3 Status Messages	PASS
Total		24
Non-Applicable		05
Compliant (Pass)		19
Non-Compliant (Fail)		00

Shaw Trust is a charity which was founded in the village of Shaw, Wiltshire in 1982.

Our Vision:

Shaw Trust believes that everyone has the right to employment, inclusion and independence.

Our Purpose is to:

Focus on people who experience barriers related to disability, health and other disadvantages, providing personalised support to enable them to work, gain independence and control and contribute to family and community life.

Influence policy and improve the lives of disabled and disadvantaged people.

By working with businesses, commissioners and partner organisations, we've helped over 450,000 people achieve employment, inclusion and independence.

If you would like to know more about Shaw Trust please contact us today.

Call: 01225 716300

Email: info@shaw-trust.org.uk

Web: www.shaw-trust.org.uk

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