

Next Chapter

Website Accessibility Assessment

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SUMMARY

Introduction

People may not have a choice when using a public sector website or app, so it's important they work for everyone. The people who need them the most are often the people who find them hardest to use.

New regulations came into force for public sector bodies on 23 September 2018. They say you must make your website or mobile app more accessible by making it 'perceivable, operable, understandable and robust'. The full name of the regulations is the Public Sector Bodies (Websites and Mobile Applications) (No. 2) Accessibility Regulations 2018.

Purpose

The purpose of this document is to record the findings from an accessibility assessment on Calderdale Next Chapter website. We will use these findings to undertake remedial work to ensure this system complies with the United Kingdom accessibility requirement.

SYSTEM OVERVIEW

The Calderdale Next Chapter website has **259 total pages** based on Google Analytics page views between **30/04/19** and **05/07/2019**.

Google Analytics provides a wider insight into how our page numbers evolve since site launch, it includes pages that are no longer published and may miss pages that have received no views.

The Calderdale Next Chapter website is made up of **3 core page types** (*amount in brackets*):

- Articles (**24**)
- Projects (**13**)
- Unique Page (**4**)

4 unique pages that have their own layouts:

- Home
- About
- Projects
- News

3 different component types:

- Header (41)
- Footer (41)
- Project carousel (1)

There are 44 PDF's.

Components are small pieces of self-contained design and functionality. They are managed in one place but used across multiple pages. This is beneficial as we can test smaller samples and apply fixes in one central location which updates all instances.

SAMPLE

Sample criteria

We use a representative sample of pages and features to test how accessible our websites are. Our sample is based on the following principles:

- **10%** varied examples of each page template
- **2** varied examples of each reusable component/widget
- Any unique pages/features that use bespoke functionality to complete tasks.
- Popular user journeys based on google analytics.

We believe this is the most productive approach to test our systems as it allows us to test the widest range of layouts and functionality without having to run extensive tests on multiple comparable pages.

Selected sample

Feature	Feature type	Sample
Home Page	Unique Page	
Projects	Unique Page	
About	Unique Page	
News	Unique Page	
A629 Calder and Hebble Junction	Projects	
Progress at Northgate House	Article	
Project Carousel	Component	

ASSESSMENT RESULTS

Overview

All pages and components tested followed the same testing process. They are first scanned using the Wave web accessibility evaluation tool. This quickly finds common problems that are automatically detectable by reading the pages source code. After the automated scan, we run through a comprehensive 23 step manual checklist using the Accessibility Insights for Web chrome extension.

Findings

Across a sample of 6 pages and 3 components, a total of 68 violations were automatically detected. Additionally our manual tests found that the website failed 67 criterions in total. After testing each page or feature, the issues found were resolved to reduce errors found in subsequent tests. Errors progressively reduced.

Common failings were missing alt texts and insufficient colour contrast. Custom widgets such as sliders and accordions also needed adjusting to meet WCAG guidelines and WAI-ARIA authoring practices.

Result breakdown: Pages

Unique pages

Sample: Homepage

URL: <http://calderdalenextchapter.co.uk>

Automated discoveries	Manual discoveries
8 Contrast errors	2.1 Keyboard – Map tab is between URL bar and About heading
1 Document language missing	4.1 Landmarks – No banner landmark
1 <i>Suspicious link text</i>	5.1 Headings – Twitter button in h2 tag
	8.2 Native widgets – Read more button not descriptive on news
	13.1 Parsing – Duplicate meta charset element
	13.1 Parsing - needs correcting
	13.1 Parsing – Child style tag in div (ctrl <div><style> to find)
	14.1 Images – Background images are defined as meaningful and have bad alts
	15.1/2 Language – No lang tags
	17.5 Text legibility – News heading overlapped when 400%
	21.1 Sequence – Linearize causes slight overlap of news heading and image. Also throws the footer circles for mailing list etc to the banner
	22.3 Semantics – Navigation should be

Sample: Projects

URL: <http://calderdalenextchapter.co.uk/projects>

Automated discoveries	Manual discoveries
1 Document language missing	4.2 Landmarks - No main landmark
14 Contrast errors	5.2 Headings – Project titles are spans
	13.1 Parsing – Duplicate meta charset element
	14.1 Images – Background image coded as meaningful
	15.1/2 Language – No lang tags
	21.1 Sequence – Linearize makes the page illegible

Sample: About

URL: <http://calderdalenextchapter.co.uk/about>

Automated discoveries	Manual discoveries
21 Contrast errors	4.2 Landmarks – No main landmark
1 Document language missing	5.3 Headings – 2 H1 elements
	10.2 Timed events – Project scroll cannot be stopped
	13.1 Parsing – Duplicate meta charset element
	14.1 Images - Banner image defined as meaningful, bad alts and description
	15.1/2 Language – No lang tags
	21.1 Sequence – Linearize makes the page illegible

Sample: News

URL: <http://calderdalenextchapter.co.uk/news>

Automated discoveries	Manual discoveries
1 Contrast error	4.2 Landmarks – No main landmark
1 Document language missing	5.1 Headings - Pagination in H4
	7.2 Links – News images don't have descriptive names
	13.1 Parsing – Duplicate meta charset element
	14.1 Images - News images coded as meaningful
	14.3 Images – constructing excellence image has text in
	15.1/2 Language – No lang tags

Project pages

Sample: A629 Calder and Hebble Junction

URL: <http://calderdalenextchapter.co.uk/projects/a629-calder-and-hebble-junction>

Automated discoveries	Manual discoveries
5 Contrast errors	4.2 Landmarks – No main landmark
1 Document language missing	3.1 Focus – No indication where you are at certain places
	5.3 Headings – Supporting documents should be H2
	7.2 Links – Click here link and pdf's badly named
	13.1 Parsing –
	<ul style="list-style-type: none">• Bad value ___ for attribute ___ on element ___: The string

- ___ is not a registered keyword. (5)
- A charset attribute on a meta element found after the first 1024 bytes.
- A document must not include more than one meta element with a charset attribute.
- The frameborder attribute on the iframe element is obsolete.

14.1 Images – Some decorative marked as meaningful, some not defined

14.2 Images – Bad alt texts

15.1/2 Language – No lang tags

17.2 Text – Some overlap on status bars

21.1 Sequence – Linearize breaks page

22.1 Semantics – Status bar requires css

22.3 Semantics – Navigation should be

Articles

Sample: Next steps for town centre project

URL: <http://calderdalenextchapter.co.uk/news/next-steps-town-centre-project>

Automated discoveries	Manual discoveries
3 Contrast errors	4.2 Landmarks – No main landmark
1 Document language missing	13.1 Parsing – <ul style="list-style-type: none"> • Bad value ___ for attribute ___ on element ___: The string ___ is not a registered keyword. (5) • A charset attribute on a meta element found after the first 1024 bytes. • A document must not include more than one meta element with a charset attribute. • Element style not allowed as child of element div in this context. (Suppressing further errors from this subtree.)
	14.1 Images – Decorative image marked as meaningful
	14.2 Images – Bad alt text on bull green image
	15.1/2 Language – No lang tags
	21.1 Sequence - Linearize breaks social media button rings
	22.4 Semantics - Tuesday 27th August 2019 @ 12:33 is span

Result breakdown: Components

Header

Sample: Homepage

URL: <http://calderdalenextchapter.co.uk>

Automated discoveries	Manual discoveries
	6.1 Repetitive content – Cannot skip to main content from header
	14.1 Images - Background image defined as meaningful, bad alt and description text
	14.1 Images – Logo has no description
	14.1 Images – Logo needs to say ‘CALDERDALE THE NEXT CHAPTER’
	22.3 Semantics – Navigation should be

Footer

Sample: Homepage

URL: <http://calderdalenextchapter.co.uk>

Automated discoveries	Manual discoveries
	7.2 Links - Logo alts required
	14.1 Images – No accessible description on logos
	14.1 Images – ‘logo’ needs removing from logo alts

Project carousel

Sample: Twitter and Facebook on Shibden Hall page

URL: <https://museums.calderdale.gov.uk/visit/shibden-hall>

Automated discoveries	Manual discoveries
14 contrast errors	2.1 Keyboard – sliders react weirdly to tab and automatically change depending on how far down the page you are.
	2.3 Keyboard – See above
	3.1 Focus - Box hard to see on scrolling projects
	3.5 Focus – Scrolling projects carry the focus with the last image displayed
	5.2 Headings – Project titles are spans
	7.2 Links – project images don’t explain purpose
	10.2 Timed events – Project scroll cannot be stopped
	14.2 Images – some bad alt text on project images e.g. ‘calder’