This document will outline the importance of web accessibility and test the accessibility of my website Tocumwal Archive.

7.7 million Australians have access to the internet, but not all of them have easy access to the internet. Websites are an important way to make sure people stay connected, it is important to make sure a website is easily accessible and easy to navigate.

Accessibility is the idea that people with an impairment or disability can access your website with no real difficulty. There are a plethora of groups that may be impacted by this and according to the Guzman y Gomez audit, these include:

> A slow or limited internet (especially on mobile sites where users will most likely be using capped mobile data)

> Older or slower devices (especially those can’t afford to keep up with technology)

> Mobile Devices (smaller screens means less room for content - size of content is also something to look for)

> Limited time (they have better things to do than aimlessly wonder around your beautiful website)

> A language barrier (allowing your website to be either easily translated or have proper translated versions of your website)

> People with a disability/impairment including: Blindness, Deafness, Physical Disabilities, Dyslexia, Epileptic fits, and Autism.

My website went through a vigorous testing period to ensure that it met requirements.

I used the following applications recommended to ensure my website met all the requirements:

<https://wave.webaim.org/> - A general accessibility checker for automatically finding many WCAG failures.

<http://www.hemingwayapp.com/> - Helps you figure out whether the text/copy of the site is grammatically well structured, making it as comprehensible as possible.

<https://chrome.google.com/webstore/detail/nocoffee/jjeeggmbnhckmgdhmgdckeigabjfbddl> - A plugin that allows you to simulate various visual impairments. Handy for seeing whether your site's small/fine details display well enough for users with these issues.

<https://contrastchecker.com/> - A tool to test whether your text is readable against its background. Check this to avoid low-contrast readability errors.

These were good tools to ensure my website met the requirements, there was an element of manually making sure everything was up to standard, there was a lot of reading through but these tools set me up for minimal errors.

* + 1. [(Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#non-text-content) – Non-text Content - Provide text alternatives for non-text content

RESULT: PASS

WCAG: All non-text content that is presented to the user has a text alternative that serves the equivalent purpose.

[1.3.1 (Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#info-and-relationships) – Info and Relationships - Logical structure

RESULT: PASS

WCAG: Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.

[1.3.2 (Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#meaningful-sequence) – Meaningful Sequence - Present content in a meaningful order

RESULT: PASS

WCAG: When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.

[1.4.1 (Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#use-of-color) – Use of Colour - Don’t use presentation that relies solely on colour

RESULT: PASS

WCAG: Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.

There are many photographs inside the site, colour is not used as the only visual means, the navigation tags change colour when pressed to enable that the user knows that they are going on a different page.

[1.4.2 (Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#audio-control) – Audio Control - Don’t play audio automatically

RESULT: N/A PASS

WCAG: If any audio on a Web page plays automatically for more than 3 seconds, either a mechanism is available to pause or stop the audio, or a mechanism is available to control audio volume independently from the overall system volume level.

This site does not have an audio, so this was not applicable.

[2.1.1 (Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#keyboard) – Keyboard - Accessible by keyboard only

RESULT: PASS

WCAG: All functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes, except where the underlying function requires input that depends on the path of the user's movement and not just the endpoints.

[2.1.2 (Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#no-keyboard-trap) – No Keyboard Trap - Don’t trap keyboard users

RESULT: PASS

WCAG: If keyboard focus can be moved to a component of the page using a keyboard interface, then focus can be moved away from that component using only a keyboard interface, and, if it requires more than unmodified arrow or tab keys or other standard exit methods, the user is advised of the method for moving focus away.

[2.3.1 (Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#three-flashes-or-below-threshold) – Three Flashes or Below - No content flashes more than three times per second

RESULT: N/A PASS

WCAG: Web pages do not contain anything that flashes more than three times in any one second period, or the flash is below the general flash and red flash thresholds.

[2.4.2 (Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#page-titled) – Page Titled - Use helpful and clear page titles

RESULT: PASS

WCAG: Web pages have titles that describe topic or purpose.

[2.4.3 (Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#focus-order) – Focus Order - Logical order

RESULT: PASS

WCAG: If a Web page can be navigated sequentially and the navigation sequences affect meaning or operation, focusable components receive focus in an order that preserves meaning and operability.

[2.4.4 (Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#link-purpose-in-context) – Link Purpose (In Context) - Every link’s purpose is clear from its context

RESULT: PASS

WCAG: The purpose of each link can be determined from the link text alone or from the link text together with its programmatically determined link context, except where the purpose of the link would be ambiguous to users in general.

[3.1.1 (Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#language-of-page) – Language of Page - Page has a language assigned

RESULT: PASS

WCAG: The default human language of each Web page can be programmatically determined.

[4.1.1 (Links to an external site.)Links to an external site.](https://www.w3.org/WAI/WCAG21/quickref/?versions=2.0#parsing) – Parsing - No major code errors

RESULT: PASS

WCAG: In content implemented using markup languages, elements have complete start and end tags, elements are nested according to their specifications, elements do not contain duplicate attributes, and any IDs are unique, except where the specifications allow these features.