Nova Scotia Novanet Audit Report

For: Acadia University (Maggie Jean Neilson) and Novanet (Bill Slauenwhite)
Date: December 23, 2020
From: Lisa Snider, Access Changes Everything Inc. (ACE)
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Audit Information

Report Date

December 23, 2020

Reviewer

Lisa Snider from Access Changes Everything Inc. (ACE).

Web Site Information

The following is the report on the full accessibility audit of the following Novanet related web pages that were chosen by the client for auditing:

1. Landing page (https://www.novanet.ca/search-novanet/)
2. Simple search (https://acadia.novanet.ca/primo-explore/search?vid=ACAD&sortby=rank&lang=en_US&mode=simple)
3. Advanced search (https://acadia.novanet.ca/primo-explore/search?vid=ACAD&sortby=rank&lang=en_US&mode=advanced)
4. Results page (https://acadia.novanet.ca/primo-explore/search?query=any,contains,dogs&tab=default_tab&search_scope=default_scope&vid=ACAD&facet=library,include,ACAD&lang=en_US&offset=0)
5. Title record (Dogs) (https://acadia.novanet.ca/permalink/f/mg2p8u/NOVANET_ALEPH004431948)
6. Patron account (See barcode and password below):

1. My Library Card
2. My Loans
3. My Requests
4. Saved Items
5. Search History

For the purposes of the audit of the Patron Account (Number 6 above), we can create a fictional account for testing.
Name: Accessibility Test
Barcode and password: TEST1234 and TEST1234

Extensive manual and automated testing of the web pages was completed by ACE, and user testers were employed in this audit to test specific parts of each web page.

Documents

Document auditing was not part of this contract.

Standard

The international standard that relates to website accessibility was considered, which is WCAG 2.1 (2.2 Draft) Level AA. This audit went far beyond WCAG 2.1 and 2.2 (Draft) Level AA, as the standards don't include many accessibility best practices for people with different disabilities. General usability and accessibility best practices were considered, and included in this audit report.

Findings Information

Lisa Snider provided a full audit of the web pages, and testers with different disabilities were employed to check specific areas on these web pages.

The web pages would not pass WCAG 2.1, or 2.2, Level AA, as there would be some criteria that would not be given a pass. As well, they may not have included usability and accessibility best practices.

The audit found areas that need improvement in terms of accessibility. The recommendations below have been noted as **PRIORITY** and *SECONDARY PRIORITY* to note their significance, in terms of remediation priorities.

The items marked **PRIORITY** should be remediated as soon as possible, as they are currently impacting some users with disabilities in a moderate to severe way. These users may not be able to access all, or any meaningful, information on the website, limiting access to it. The items marked *SECONDARY PRIORITY* also impact some users with disabilities, but this impact is judged as minimal to moderate for most users.

These categories are arbitrary, and were based on the consultant's view of the standard, and their experience and knowledge. Please see the Disclaimer for more information.

Reviewer's Testing Technologies

- Mac OS Sierra 10.12.6 Firefox and Chrome
- PC Windows 10 Firefox and Chrome

- A minimum of 10 different accessibility related apps, plugins, extensions, as well as online checking software, were used in both Chrome and Firefox on PC and Mac.
- Manual testing was completed, and this included different assistive technologies.

Third Party Testers

Paid testers were employed for this project. All testers were students at either Dalhousie University, MSVU or Acadia University. They were from both undergraduate, and graduate programs. They were also from different years, and first year undergraduate and graduate students were chosen deliberately were represented well overall.

Below, their information has been anonymized, to protect their identities.

- 2nd year MSVU student, who identified as having visual and hearing disabilities.
- 3rd year older MSVU student, who identified as having ADHD (cognitive disability).
- 3rd year older MSVU student, who identified as having a hearing disability, as well as mobility and perception disabilities.
- 1st year Dalhousie graduate student, who identified as having low vision.
- 1st year Dalhousie student, who identified as having ADD (cognitive disability).
- 1st year Dalhousie student, who identified as having autism, depression and social anxiety.
- 1st year Acadia student, who identified as having panic and anxiety (cognitive disabilities).
- 1st year Dalhousie graduate student, who identified as having a mobility disability and severe migraines.

Third Party Testers Testing Technologies

Note that some testers did not use any specific technologies. Macs and PCs were represented in almost equal numbers, one tester used an iPad Pro, and different browsers were used.

- Natural Reader Speech to Text (Google Chrome Extension)
- Phonak Compilot Bluetooth device (to assist hearing).
- VoiceOver screen reader (version as of December 15, 2020) on Google Chrome 84.0.4147.105 on Mac Catalina 10.15.5
- JAWS 2020 Home Use on Google Chrome 84.0.4147.105 64 bit on PC Windows 10.

- Low vision accessibility features on iPad Pro (12.9 2018), including Pinch to Zoom and large text (using 'Dynamic Type' if supported).
- 200% and 400% magnification in Firefox 75.0 browser on Mac OS Sierra (v10.13).
- 200% and 400% magnification in Chrome 80.0.3987.163 (64-bit) on Mac OS Sierra (v10.13).
- Voice Control on iPhone 11 Pro iOS 13.3

Questions

If you have questions about this report, please contact Lisa Snider at lisa@AccessChangesEverything.com.

Thank You

Thank you for allowing Access Changes Everything Inc. to provide accessibility consulting services for this project.

Summary of Audit Findings
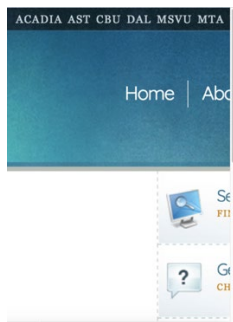
Magnification

Importance and Users Impacted

Web pages need to be tested with 200% and 400% browser magnification applied (at 1280 x 800 resolution as well as 1440 x 900), to ensure all users can access the web pages. The magnification is tested to ensure that everyone who uses magnification (only up to 400%), such as people with low vision and/or other disabilities, can access the site with it enabled.
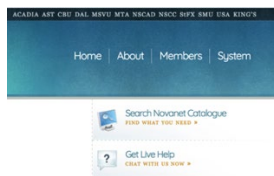
Findings

Novanet Landing page **PRIORITY**
There were major issues found on this page, as half of the content on the right side is not shown at 200%. This MUST be remediated.

There were also major issues found at 400%, and the web page is NOT usable at this magnification without excessive scrolling. This MUST be remediated.

Novanet Simple search **PRIORITY**
See the 200% and 400% areas in Novanet Title record (Dogs) for issues noted.

Novanet Advanced search **PRIORITY**
See the 200% and 400% areas in Novanet Title record (Dogs) for issues noted. As well, at 400% other issues with noted with the text, such as in the times, as in the screen print below.

|	
Friday	10am– 6pm
Saturday	No Service
Sunday	4pm–

Novanet Results page ****PRIORITY****

See the 200% and 400% areas in Novanet Title record (Dogs) for issues noted. As well, at 400% other issues with noted with the pin icon (dynamic), as in the screen print below.
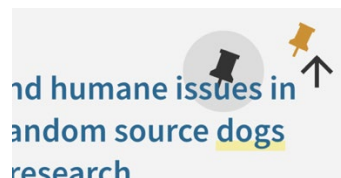
Novanet Title record (Dogs) ****PRIORITY****

Issues were noted at 200%, in the left side upper part of the web page. Here the right side navigation overlaps the logo. This must be remediated.
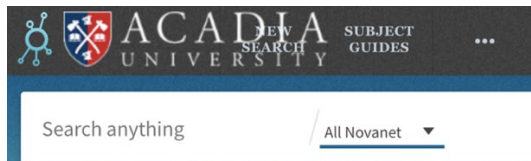
There were major issues found at 400% as well. The top menu only consisted of the logo. No other navigation was shown, and this page **MUST** be remediated so that all content can be accessed at 400%. Plus the overriding links can't be accessed in any usable way.

Novanet Patron account My Library Card ****PRIORITY****

There were two issues noted. One at 200% was that the Personal Details tab name could not be accessed fully. As well, the top banner moves in a way that the logo is now underneath the New Search navigation link. This page **MUST** be remediated so that all content can be accessed at 200%. Plus the overriding links can't be accessed in any usable way.

PERSONAL DETAILS

PERSONAL...   >

There were major issues found at 400% as well. The top menu only consisted of the logo. No other navigation was shown, and this page **MUST** be remediated so that all content can be accessed at 400%. Plus the overriding links can't be accessed in any usable way.

A very urgent issue that **MUST** be remediated, is noted at 400% magnification. Here, the navigation line that includes Loans, Requests, Fines, etc. can **NOT** be accessed fully.

LOANS   REQL >

Novanet Patron account My Loans **PRIORITY**
See the issues noted at 200% and 400% under Novanet Patron account My Library Card.

Novanet Patron account My Requests **PRIORITY**
See the issues noted at 200% and 400% under Novanet Patron account My Library Card.

Novanet Patron account Saved Items **PRIORITY**
See the issues noted at 200% and 400% under Novanet Patron account My Library Card. There was one other issue noted at 400%. The floating Top of Page and Search icons interfere with some content as one scrolls down the page. This should be

remediated, as it can cause access issues for users with visual disabilities and/or cognitive type disabilities.
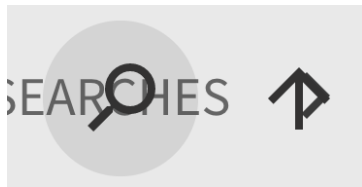

Novanet Patron account Search History <mark>**PRIORITY**</mark>
See the issues noted at 200% and 400% under Novanet Patron account My Library Card.

Small Screens

Importance and Users Impacted

Websites should be viewable and usable to users who view it on mobile phones (be responsive). WCAG 2.1 requires us to check the web sites on a small screen size of 320 pixels wide, so that no side scrolling is noted, and all elements and content are usable and accessible.
Web pages should also be accessible to everyone, whether users employ portrait or landscape mode, or they switch between the two modes. This is important for people who have low vision, and/or physical disabilities, and/or cognitive disabilities.

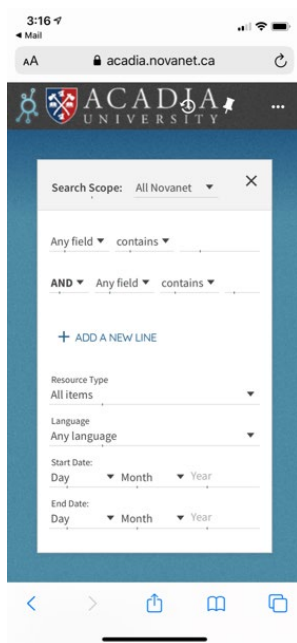## Findings

Novanet Landing page <mark>**PRIORITY**</mark>
Voice control did not work at all on this page, and the entire page needs to be remediated.

Novanet Simple search <mark>**PRIORITY**</mark>
There was a major issue noted on both portrait and landscape orientation modes in the top banner area. The pin and refresh icons overlapped the logo, and this **MUST** be remediated.

Novanet Advanced search **PRIORITY**

See the issue noted with the banner under Novanet Simple search.

Novanet Results page **PRIORITY**

See the issue noted with the banner under Novanet Simple search.

Novanet Title record (Dogs) **PRIORITY**

See the issue noted with the banner under Novanet Simple search.

Novanet Patron account My Library Card **PRIORITY**

There were two major issues noted. The top banner moves in a way that the logo is now underneath the Search History and Favourites navigation link. This page **MUST** be remediated so that all content can be accessed. Plus the overriding links can't be accessed in any usable way. A very urgent issue that **MUST** be remediated, is that the navigation line that includes Loans, Requests, Fines, etc. can **NOT** be accessed fully on either portrait or landscape mode.
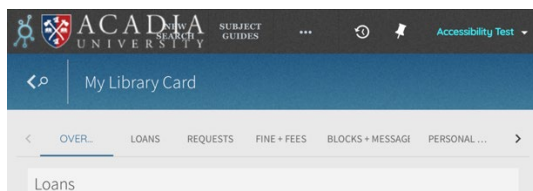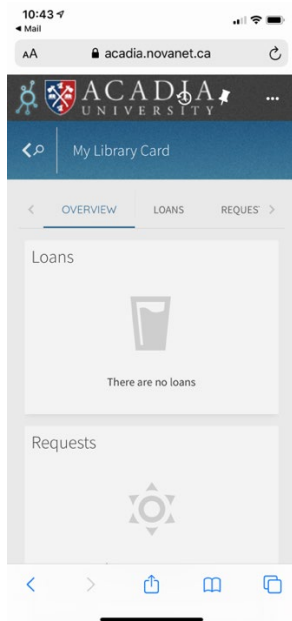
Novanet Patron account My Loans <mark>****PRIORITY****</mark>
See the issue noted with the banner under Novanet Patron account My Library Card.

Novanet Patron account My Requests <mark>****PRIORITY****</mark>
See the issue noted with the banner under Novanet Patron account My Library Card.

Novanet Patron account Saved Items <mark>****PRIORITY****</mark>
See the issue noted with the banner under Novanet Patron account My Library Card.

Novanet Patron account Search History <mark>****PRIORITY****</mark>
See the issue noted with the banner under Novanet Patron account My Library Card.

Skip Links

Importance and Users Impacted

Best practice for web pages is for at least one 'skip to' link to be present at the top of each web page. This is used primarily, but not exclusively, by screen reader users who are blind, Deaf-Blind or have low vision, as well as people with sight, who use keyboard navigation. It gives these users a quick way to navigate the page from the top to the main content area, skipping repeated navigation, banner, etc. areas.

Findings

Novanet Landing page

No issues noted.

Novanet Simple search
No issues noted.

Novanet Advanced search
No issues noted.

Novanet Results page
No issues noted.

Novanet Title record (Dogs) **PRIORITY**
No skip links present. The code should be investigated, and remediated, so skip links are present and useable.

Novanet Patron account My Library Card
No issues noted.

Novanet Patron account My Loans
No issues noted.

Novanet Patron account My Requests
No issues noted.

Novanet Patron account Saved Items
No issues noted.

Novanet Patron account Search History
No issues noted.

Keyboard and Focus

Importance and Users Impacted

Some users may use a keyboard, but not a mouse, on a traditional computer, device and/or smartphone for navigation. These users may use the tab key, enter key, spacebar and arrow keys to navigate the page content. These keyboard users should be able to tab through links, buttons, form elements, menu items, etc. from top to bottom, following the visual order that sighted users would access.

Many people can use keyboard only navigation, including screen reader users who are blind, Deaf-Blind or low vision, and/or people with physical disabilities, and/or people

who use voice recognition software. These users may rely on tabbing (or similar with voice recognition) on each link and form element for navigation through a web page.

As well, we need to ensure that all links, form elements, buttons, etc. have very good visible focus, where a coloured line or box is highlighting the tab focus (colour depends on the background colour-see the Colour Contrast and Combinations Section) through the :focus selector in the css file. This is crucial for sighted users who use keyboard only navigation, as they count on it to see where they are in the page.

Currently, some browsers show this focus automatically without code being present. However, this code should be in the css file for every link, button, form element, etc. This will ensure that different browsers show the focus in a similar way, and all users can easily and quickly access content.

The new WCAG 2.2 requirement in 2.4.11 has been thought to mean (it just came out March 2020) that there needs to be a minimum focus line thickness of 2 CSS pixels, and the colour needs to be checked towards the colour ratio, mentioned in the Colour Section.

Findings

Novanet Landing page **PRIORITY**
Focus indicators are present, but it is recommended that these be made a bit thicker (about 1 pixel worth), so they are usable for everyone. Currently they are quite thin, and may be hard to see for those with visual disabilities.
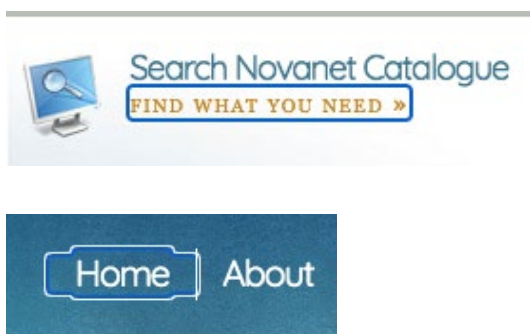
One associated issue found when checking was that in the right side areas, too many links are present. For example, under Search Novanet Catalogue, one has a link there, plus under it 'Find what you need'. It is highly recommended that only one link be present.
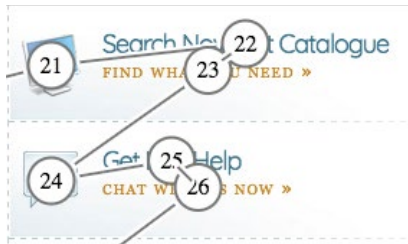
Novanet Simple search **PRIORITY**

No real focus indicators are present, and even the top navigation ones are extremely difficult to access. All linked items must be given a very visible focus indicator.

Novanet Advanced search **PRIORITY**

No real focus indicators are present, and even the top navigation ones are extremely difficult to access. All linked items must be given a very visible focus indicator.

Novanet Results page **PRIORITY**

No real focus indicators are present, and even the top navigation ones are extremely difficult to access. All linked items must be given a very visible focus indicator. As well, the filter area comes last on the tab list. This is mitigated with the skip to facets link, so this has been passed.

Novanet Title record (Dogs) **PRIORITY**

No real focus indicators are present, and even the top navigation ones are extremely difficult to access. All linked items must be given a very visible focus indicator.

Novanet Patron account My Library Card *PRIORITY**

No real focus indicators are present, and even the top navigation ones are extremely difficult to access. All linked items must be given a very visible focus indicator.

As well, the focus does not go to anywhere but to the Overview link in the navigation area. The Loans, Requests, etc. areas are not accessible by tab. Note that if one is already on the Loans page, for example, then the focus does go to the Loan tab, but it **ONLY** goes to that tab alone. This **MUST** be remediated as soon as possible.
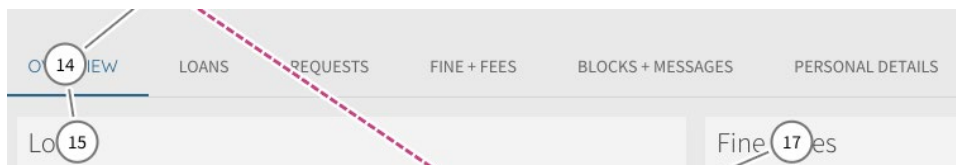
Novanet Patron account My Loans <mark>*PRIORITY**</mark>

See the issues noted under Novanet Patron account My Library Card.

Novanet Patron account My Requests <mark>*PRIORITY**</mark>

See the issues noted under Novanet Patron account My Library Card.

Novanet Patron account Saved Items <mark>*PRIORITY**</mark>

See the issues noted under Novanet Patron account My Library Card.

Novanet Patron account Search History <mark>*PRIORITY**</mark>

See the issues noted under Novanet Patron account My Library Card.

Colour

Importance and Users Impacted

The colour combinations used in text and background, both on images and text, need to pass the WCAG 2.1 Level AA colour contrast ratios (in this case the ratio of 4.5:1 for regular text). This will help make the text easier to read for the majority of users, including elders and people with visual disabilities, such as low vision, and/or cognitive, neurological, intellectual and/or learning disabilities.

There are many checkers to help with this, including the online WebAIM Color Contrast Checker (https://webaim.org/resources/contrastchecker/), and the downloadable Colour Contrast Analyser (https://developer.paciellogroup.com/resources/contrastanalyser/). Note that all colour combinations should be rechecked, including all states of links, buttons, images, etc.

As well, colour combinations need to be checked for colour blindness issues. Some colour combinations for text and background, such as red/green, blue/yellow, etc. can be problematic for these users.

Findings

## Novanet Landing page <mark>**PRIORITY**</mark>

There are colour contrast issues noted on this page, and all need to be remediated. One example is the Search Novanet title.

Search Novanet

Please select an institution ▾

Novanet Simple search **PRIORITY**
All colour contrast on this page should be double checked. Some colour contrast (combinations) may be hard to read by those who have colour blindness (especially Protanomaly). Check the top navigation bar and remediate where needed.

Sign in   Menu ▾

NEW SEARCH   SUBJECT GUIDES   COURSE RESERVES   INTERLIBRARY LOAN   BROWSE
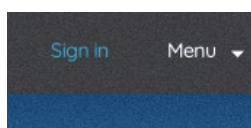
Colour used as information when favourited by the user. It is recommended that there is another way of alerting the user of the favourite status, such as in text form.

ARTICLE
Self-microemulsifying sustained-release pellet of Ginkgo biloba extract: Preparation, in vitro drug release and pharmacokinetics study in beagle dogs
Gu, Zengquan ; Shi, Xiaolei ; Omari-Siaw, Emmanuel ; Zhu, Yuan ; Li, Huihua ; Guo, Min ; Yang, Xia ; Yu, Jiangnan ; Xu, Ximing
Journal of drug delivery science and technology, 2017-02, Vol.37, p.184-193
66 Ginkgo biloba extract (GBE50), the fifth generation extract of Ginkgo biloba, has been widely used in clinical treatment. This study was aimed at developing... 99
PEER REVIEWED
Full text available ☑ ›

Novanet Advanced search **PRIORITY**
All colour contrast on this page should be double checked. Some colour contrast (combinations) may be hard to read by those who have colour blindness (especially Protanomaly). Check the top navigation bar and remediate where needed.

See information about colour used as information in the Novanet Simple search.

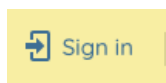**Novanet Results page** **PRIORITY**
All colour contrast on this page should be double checked. Some colour contrast (combinations) may be hard to read by those who have colour blindness.

Note that many colours are being used on this page, and they may get confusing even for those users without disabilities. It is recommended that the colour scheme be more limited in colours used.

As well, while the colour contrast of the text and links on the grey background may pass the WCAG ratio, it may be very hard to read by many users, including those with visual disabilities. It is recommended that the grey background be removed, so all users can easily access the information. Note that some grey on grey areas don't pass the ratio, and should be remediated.
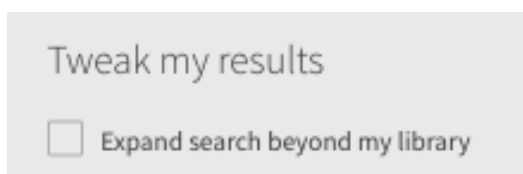
Novanet Title record (Dogs) **PRIORITY**
There are colour contrast issues noted on this page, and all need to be remediated. Some colour contrast (combinations) may be hard to read by those who have colour blindness.

As well, while the colour contrast of the text and links on the grey background may pass the WCAG ratio, it may be very hard to read by many users, including those with visual disabilities. It is recommended that the grey background be removed, so all users can easily access the information.

Novanet Patron account My Library Card ****PRIORITY****
Almost all colours passed the WCAG ratio. One area must be changed, and it is the title at the top of the page. The colours must be changed to pass the ratio.

There is a colour palette used on the web page that **MUST** be remediated, even though it technically passes the WCAG ratio. The grey on grey used for the navigation and main content areas is very hard to read by some users, including those without disabilities, but also those with visual disabilities.
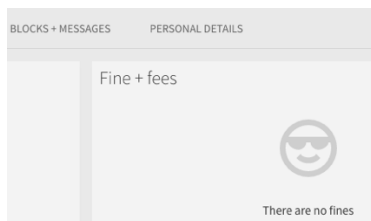
The tester, who identified as having low vision, and uses an iPad with pinch to zoom and/or a larger text size, identified a barrier with the grey colour scheme used in the tabs, and this was echoed by the consultant:

> "I was able to find the personal details tab. Although I would appreciate if the tabs had more of a contrast. Grey on a light grey background is more difficult to read."

Finally, there is a minor colour combination that should be changed for people with colour blindness. A yellow has been used for the 'pin' icon and this won't provide enough contrast for these users, so this should be changed to another colour.
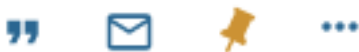
Novanet Patron account My Loans <mark>**PRIORITY**</mark>

See the issues noted under Novanet Patron account My Library Card.

Novanet Patron account My Requests <mark>**PRIORITY**</mark>

See the issues noted under Novanet Patron account My Library Card.

Novanet Patron account Saved Items <mark>**PRIORITY**</mark>

See the issues noted under Novanet Patron account My Library Card.

Novanet Patron account Search History <mark>**PRIORITY**</mark>

See the issues noted under Novanet Patron account My Library Card.

Links

Importance and Users Impacted

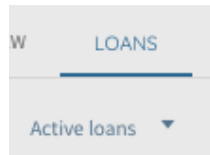Text links need to be descriptive to tell all users, including those with limited or no sight and those with cognitive disabilities, what they are, and where the user will go when activated. Text links should also follow best practice of being underlined, being in a different colour than the text (with strong contrast) and each being unique, not generic such as 'Click here'. Images, with or without text, can also be linked. Those will be covered in the Images Section.

In the rare cases where links can't be given descriptive text (and this should be done with extreme caution), then at a minimum an aria-label can be applied to the code to provide that description (example, aria-label="Description of link."). This code can be problematic for screen readers, and/or voice recognition software.

Findings

Novanet Landing page <mark>**PRIORITY**</mark>

In the right side area, each panel has three links, one is blank and two are active. This area should be redesigned, so that only one link is present. The headings recommended in the Heading section should be re-evaluated once this area is remediated, because this area will likely turn into a strictly navigational area and headings may, or may not, be needed.
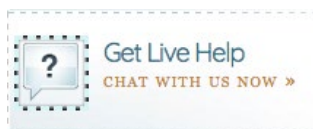
The contrast of some links when moused over may be hard to access for some viewers, so underlines should be considered. As well, the colour contrast of the right side links should be changed (orange).

Novanet Simple search <mark>*SECONDARY PRIORITY*</mark>
Top banner links may be hard to access for some viewers when moused over, so the focus in the CSS should be changed so the links are easy to access.

Novanet Advanced search <mark>*SECONDARY PRIORITY*</mark>
Top banner links may be hard to access for some viewers when moused over, so the focus in the CSS should be changed so the links are easy to access.

Novanet Results page <mark>**PRIORITY**</mark>
There are many links that have no text in them for the images of books. These should be remediated so that each has an aria-label and/or role=presentation.

Top banner links may be hard to access for some viewers when moused over, so the focus in the CSS should be changed so the links are easy to access.

Novanet Title record (Dogs) <mark>**PRIORITY**</mark>
The 'Click here for more options' link should be changed to make it less generic.

There are many links that have no text in them for the images of books. These should be remediated so that each has an aria-label and/or role=presentation.

Top banner links may be hard to access for some viewers when moused over, so the focus in the CSS should be changed so the links are easy to access.

Novanet Patron account My Library Card *SECONDARY PRIORITY*
All links, including those in the top banner area and grey navigation area should be reconsidered, in terms of adding underlines and focus in the CSS file. Currently, the top banner only has a VERY slight change of colour, and the grey navigation area has no change at all. This MUST be remediated (along with the colours used as they all may be problematic for different users).

Novanet Patron account My Loans *SECONDARY PRIORITY*
See the issues noted under Novanet Patron account My Library Card.

Novanet Patron account My Requests *SECONDARY PRIORITY*
See the issues noted under Novanet Patron account My Library Card.

Novanet Patron account Saved Items *SECONDARY PRIORITY*
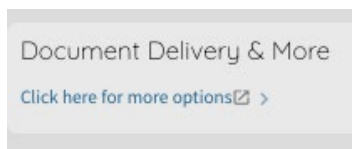See the issues noted under Novanet Patron account My Library Card. There are many links that have no text in them for the images of books. These should be remediated so that each has an aria-label and/or role=presentation.
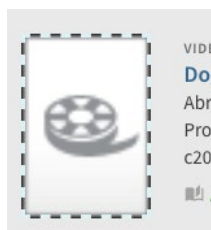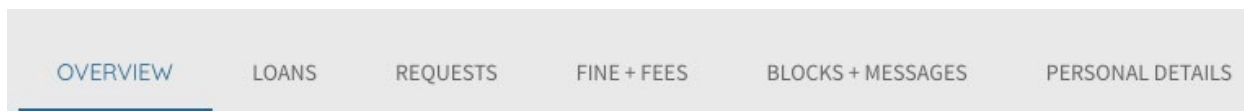
Novanet Patron account Search History <mark>*SECONDARY PRIORITY*</mark>
See the issues noted under Novanet Patron account My Library Card.

Page Titles

Importance and Users Impacted

Descriptive and unique page titles, which have correct spacing and grammar, should be present in every html file at the top, in the <title> tag. These are used as the title in the browser tab, and as the title when a user bookmarks the web page. These page titles are also usually the first thing screen reader users hear when they come to a page. The screen reader software usually reads the page title first, before any other content, so it is a very important component.

Findings

Novanet Landing page
No issues noted.

Novanet Simple search <mark>**PRIORITY**</mark>
No page title was present and this must be remediated.

Novanet Advanced search <mark>**PRIORITY**</mark>
A page title was present, but it was not descriptive (Novanet).

Novanet Results page
No issues noted.

Novanet Title record (Dogs)
No issues noted.

Novanet Patron account My Library Card <mark>**PRIORITY**</mark>
No page title was present and this must be remediated.

Novanet Patron account My Loans <mark>**PRIORITY**</mark>
No page title was present and this must be remediated.

Novanet Patron account My Requests <mark>**PRIORITY**</mark>
No page title was present and this must be remediated.

Novanet Patron account Saved Items <mark>**PRIORITY**</mark>

No page title was present and this must be remediated.

Novanet Patron account Search History ****PRIORITY****
No page title was present and this must be remediated.

iFrame

Importance and Users Impacted

iFrames are a way to link to a web page, video, etc. inside a frame in another web page. These are required to have a title, to provide information about the content of the linked item, primarily for people who use screen readers.

Findings

Novanet Landing page
No issues noted.

Novanet Simple search ****PRIORITY****
There is an iFrame present and it must be given a title.

```
<iframe ✗NO TITLE src="/primo_library/libweb/primoExploreLogin?institution=ACAD&lang=en_US&target-url=https%3A%2F%2Facadia.novanet.ca%2Fprimo-
explore%2Fsearch%3Fvid%3DACAD%26sortby%3Drank%26lang%3Den_US%26mode%3Dadvanced%26isIframeSSO%3Dtrue&authenticationProfile=Acadia%20PDS&auth=PDS&isSilent=true">
```

Novanet Advanced search ****PRIORITY****
There is an iFrame present and it must be given a title.

```
<iframe ✗NO TITLE src="/primo_library/libweb/primoExploreLogin?institution=ACAD&lang=en_US&target-url=https%3A%2F%2Facadia.novanet.ca%2Fprimo-
explore%2Fsearch%3Fvid%3DACAD%26sortby%3Drank%26lang%3Den_US%26mode%3Dadvanced%26isIframeSSO%3Dtrue&authenticationProfile=Acadia%20PDS&auth=PDS&isSilent=true">
```
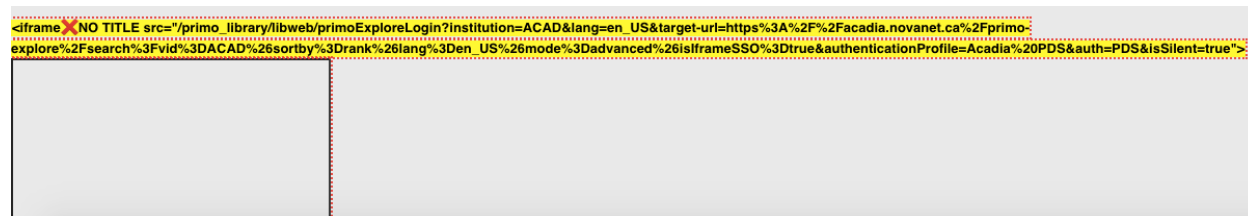
Novanet Results page
No issues noted.

Novanet Title record (Dogs)
No issues noted.

Novanet Patron account My Library Card
No issues noted.

Novanet Patron account My Loans
No issues noted.

Novanet Patron account My Requests
No issues noted.

Novanet Patron account Saved Items
No issues noted.

Novanet Patron account Search History
No issues noted.

Font Type, Size and Styling

Importance and Users Impacted

Best practice is to use sans-serif font types, and a font size 12 point or above. All CSS files should be double checked to ensure that pixels (px) is not being used for text. Font sizes should be at a minimum of 100% or 1.0 em (or rem). As well, italics and bold should be used sparingly, again following best practice.

This will help make the text easier to read for the majority of users, including elders and people with visual disabilities, such as low vision, and/or cognitive, neurological, intellectual and/or learning disabilities.

Findings

Novanet Landing page **PRIORITY**
Sans-serif and serif font types are used on this page. This should be remediated, so that only sans-serif fonts are used as the default font type. All font sizes should be checked to ensure they are not expressed in pixels, and are 100% or above.

COPYRIGHT © 2020 - NOVANET. ALL RIGHTS RESERVED.
SITE BY ✕
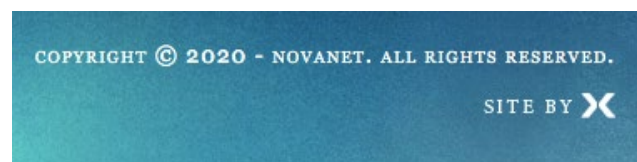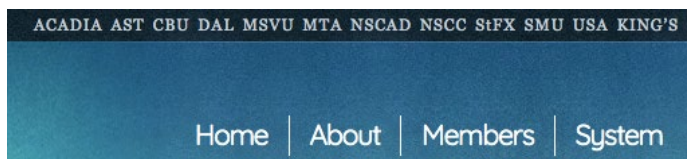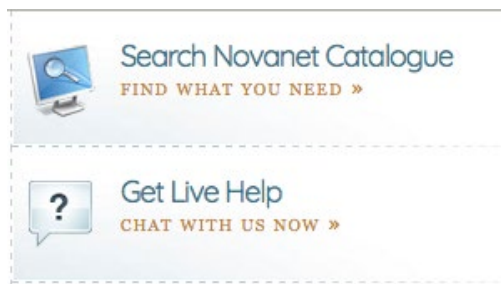
Other issues were noted relating to fonts. All font sizes should be checked to ensure they are 100% or similar. In the right side navigations area, the font size is 14, but pixels were used. All text size in the CSS file should be in percentage or ems, so all text sizes should be investigated, and remediated if needed. As well, SMALL CAPS should be removed, and avoided for use on all pages.


```
ul#rc-buttons li h5 a {
☑ color: ■#c5841b;
☑ font-family: Georgia, Times, serif;
☑ font-size: 14px;
☑ font-variant: ▶ small-caps;
☑ letter-spacing: 1px;
☑ text-transform: lowercase;
}
```

Novanet Simple search **PRIORITY**
For the most part sans-serif was used, however the top banner uses serif and this should be remediated.

All font sizes should be checked to ensure they are not expressed in pixels, and are 100% or above.

Novanet Advanced search <mark>**PRIORITY**</mark>

All font sizes should be checked to ensure they are not expressed in pixels, and are 100% or above.

Novanet Results page <mark>**PRIORITY**</mark>

All font sizes should be checked to ensure they are not expressed in pixels, and are 100% or above.

Novanet Title record (Dogs) <mark>**PRIORITY**</mark>

All font sizes should be checked to ensure they are not expressed in pixels, and are 100% or above. For example, the font size for the Bookshelf area is too small, and should be expressed in 100% size.

Very small text was noted in the Send To area, and it must be remediated so it is at 100% or 1.0 em (or 1.1 em).
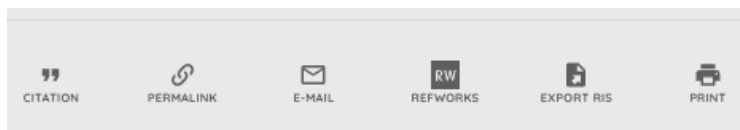
Novanet Patron account My Library Card <mark>**PRIORITY**</mark>

All font sizes should be checked to ensure they are not expressed in pixels, and are 100% or above. As well, ALL CAPS were noted in the hamburger menu at 400% magnification. These should be reconsidered as they can be difficult to access by some users with visual and/or cognitive disabilities.
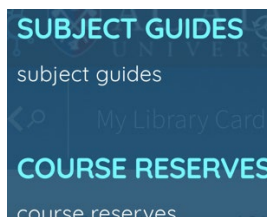
Novanet Patron account My Loans <mark>**PRIORITY**</mark>

All font sizes should be checked to ensure they are not expressed in pixels, and are 100% or above.

Novanet Patron account My Requests ****PRIORITY****
All font sizes should be checked to ensure they are not expressed in pixels, and are 100% or above.

Novanet Patron account Saved Items ****PRIORITY****
All font sizes should be checked to ensure they are not expressed in pixels, and are 100% or above.
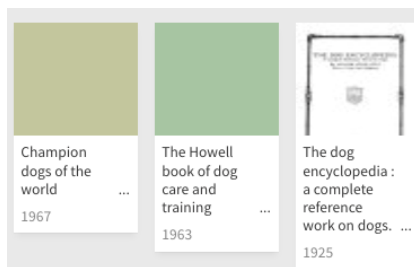
Novanet Patron account Search History ****PRIORITY****
All font sizes should be checked to ensure they are not expressed in pixels and are 100% or above. The tester, who identified as having low vision, and uses an iPad with pinch to zoom and/or a larger text size, identified a barrier with the text size, and this was echoed by the consultant:

> "I could find the search history tab. The "0 search queries" text was fairly small and I would recommend enlarging that a bit."

Headings

Importance and Users Impacted

Headings on web pages should be styled differently from the main text content for sighted users, using bold, larger text sizes, etc. Headings also need to be noted in the HTML code, so that screen reader users who are blind, Deaf-Blind or have low vision, can also access them. These are crucial invisible signposts for these users, as they indicate the overall structure of the page, and give an idea of the overall page content as well.

Headings are given numbers to indicate their importance. A Heading 1 (<h1>) would indicate the main title on the web page, a Heading 2 (<h2>) would indicate a major section, etc. The numbers should be used in order, as this helps screen reader users better understand the overall structure of the page.

Findings

Novanet Landing page ****PRIORITY****
The headings on this page need remediation. See the other pages for information related to the heading issues noted, such as invisible headings. There are many hidden Heading 1s for the top navigation area, and these need to be removed. This is an improper use of headings.

ACADIA AST CBU DAL MSVU MTA NSCAD NSCC StFX SMU USA KING'S

(h1) Mount Allison University
Library
(h1) Acadia University Library
(h1) Université Sainte-Anne
Library

As well, the headings **MUST** be remediated on this page. The use of many Heading 1s must be changed so that the only Heading 1 remaining is Search Novanet. The right side list should be changed to Heading 2s, but also text should be put under each one of them so that area is explained, before the user clicks on the links. As well, there is improper use of heading hierarchy, and all Heading 5s must be removed.

‹h1›Search Novanet‹/h1›

Please select an institution ▾

Enter Search Keywords   Go

‹h1› Search Novanet Catalogue ‹/h1›
‹H5› FIND WHAT YOU NEED » ‹/H5›

‹h1› Get Live Help ‹/h1›
‹H5› CHAT WITH US NOW » ‹/H5›

‹h1› Current System Status ‹/h1›
‹H5› CHECK FOR PROBLEMS » ‹/H5›

‹h1› Contact Us ‹/h1›
‹H5› GET IN TOUCH » ‹/H5›

The headings recommended in the Heading section should be re-evaluated once this area is remediated, because this area will likely turn into a strictly navigational area and headings may, or may not, be needed.

Get Live Help
CHAT WITH US NOW »

Novanet Simple search **PRIORITY**
The headings on this page need remediation. See the other pages for information related to the heading issues noted.
There is a hidden Heading 1 present, and this should be remediated. A main title, which is a Heading 1, should be visible for all users.

<h1 class="accessible-only" ng-if="!$ctrl.isCollectionDiscovery() && !$ctrl.isCitationLinker() && !$ctrl.isCitationTrails() && !$ctrl.isFavorites()">Search page</h1>

**Novanet Advanced search** **PRIORITY**

The headings on this page need remediation. See the other pages for information related to the heading issues noted.

There is a hidden Heading 1 present, and this should be remediated. A main title, which is a Heading 1, should be visible for all users. As well, there are two <headers> on this page, and these need to be remediated. The <headers> must be turned into proper headings.

Novanet Results page <mark>**PRIORITY**</mark>
The headings on this page need remediation. There is a hidden Heading 1 and Heading 2 present, and these should be remediated. All headings should be visible for all users. As well, there are two <headers> present on this page, and these should be double checked to ensure they shouldn't be made into headings.
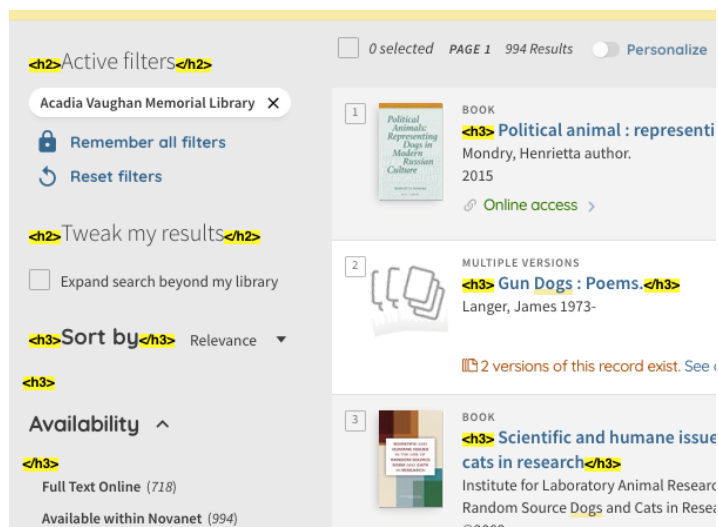
The headings in the facets area on the left side should be remediated in terms of colour contrast, as they are VERY difficult to access for users, including people with visual disabilities.
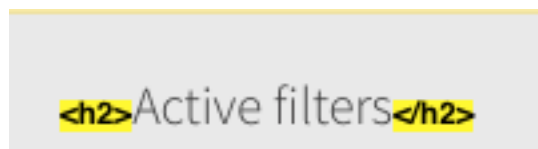
Finally, not all headings have been given heading code, such as in the 'Not finding what you are looking for?' area. The page should be checked, so that all headings are marked as such in the HTML code.

See the Novanet Title record (Dogs) for more information.

Novanet Title record (Dogs) <mark style="background-color:red">****PRIORITY****</mark>

The headings on this page need remediation. There are one hidden Heading 1 and two Heading 2s present, and these should be remediated. All headings should be visible for all users. As well,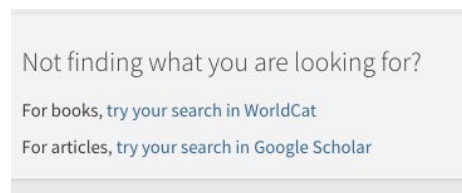 there are two <headers> present on this page, and these should be double checked to ensure they shouldn't be made into headings. There is also a blank Heading 3 present, that must be deleted. Then the other headings may need to be changed accordingly (such as Send To, Details). The heading structure that is visible to users should be checked and remediated.
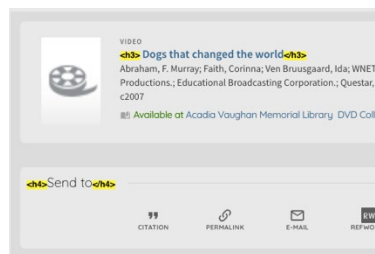
Novanet Patron account My Library Card <mark>***SECONDARY PRIORITY***</mark>

There are invisible headings that include two Heading 3s. The heading 3s are likely due to the dynamic code. However, it should be confirmed that these are visible to all users on the page they are meant to be on. Plus, there is a lot of code that has been put between the heading tags, in addition to the actual heading text. This should be avoided whenever possible, as the image code should not part of the heading code. It is highly recommended that this code be fixed, because headings should only be text based.

Novanet Patron account My Loans <mark>***SECONDARY PRIORITY***</mark>

See the noted for Novanet Patron account My Library Card.

Novanet Patron account My Requests <mark>***SECONDARY PRIORITY***</mark>

See the noted for Novanet Patron account My Library Card.

Novanet Patron account Saved Items <mark>***SECONDARY PRIORITY***</mark>

See the noted for Novanet Patron account My Library Card.

Novanet Patron account Search History <mark>**PRIORITY**</mark>

On this page, there is a Heading 1 for My Favorites as is best practice. However, this could be confusing, because one comes to the Search History section after pressing the Search History icon, and the Saved Records tab after pressing the Favorites icon.

Thus, it is recommended to make the Heading 1 My Favorites: Search History and My Favorites: Saved Records. This may not be possible, due to the tabbed structure and importing of data. If this can't be accomplished, then at the least the tab names, such as Saved Records and Search History should be Heading 2s. This isn't technically correct, but it would be an acceptable alternative.
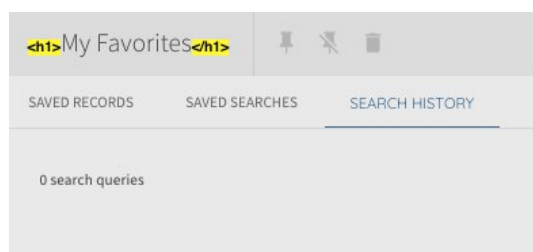
There is another heading issue that MUST be remediated. On the Saved Records tab page, the headings are not used in the correct hierarchy. The current Heading 3s in the records area are incorrect, because there is no Heading 2. As well, on the right side, the Sort By must be changed to a Heading 2, and then the Labels (if a sub section of Sort By) should be a Heading 3.
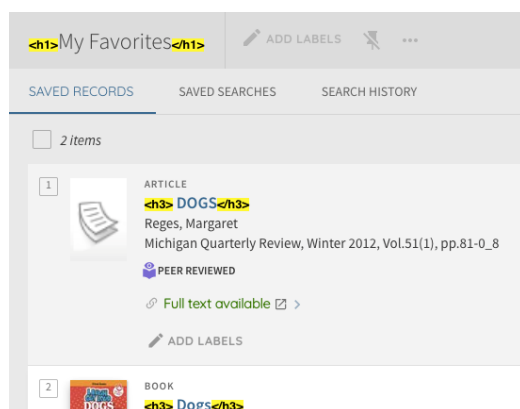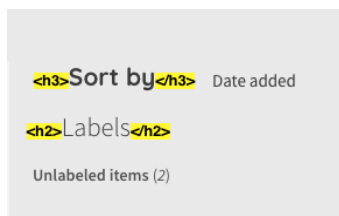
See the noted for Novanet Patron account My Library Card.

Images

Importance and Users Impacted

All images used in the website, including photographs, shapes, illustrations, maps, charts, etc., should be accessible to all readers. For screen reader users, images must be marked in the html code, as either important or non-important.

Screen reader users want to use their time accessing important images, so non-important images, such as those used for decoration, are marked with code that makes them invisible, so the screen reader user can ignore them. A null, or two quotes, is put in the alt attribute to signify this, such as alt="".

Important images may be regular images, images with text, and/or linked images. They add to the content, and/or context, of the text in some way. For important images, a short or long alternative text (alt) description must be provided that describes the image, and its importance.

If the image can be described in under 40-50 words, then this description is put in the alt attribute area. For example, . If the image requires more description, the different techniques must be employed. Note that if an image is described in the text above or below it, and/or it is described in the caption, it likely still needs an alt text description to ensure all readers can access the information in it.

Findings

Novanet Landing page
No issues noted.

Novanet Simple search **PRIORITY**

The Novanet logo should be linked to go to the main Novanet page. This applies to all Novanet pages.

Novanet Advanced search
No issues noted.

Novanet Results page
No issues noted.

Novanet Title record (Dogs) **PRIORITY**
There is one image without an alt attribute, and a null alt must be added to it (alt="").

<img src="https://beacon01.alma.exlibrisgroup.com/boom/apache_pb.gif?A=Primo_Local&G=GUEST&I=ACAD&O1=blended&O2=NOVANET_ALEPH&O3=NOVANET_ALEPH004431948&O5=01NOVA.ACAD.PPRD&O7=0&O9=ACAD&O12=0&O13=NOVANET_ALEPH&O18=UI&O21=NUI&O22=179&O23=Primo&O39=acadia.novanet.ca&O41=Dogs%20that%20changed%20the%20world&O42=Chicago,%20IL%20:%20Distributed%20by%20Questar&OP=openfull&P=brief&RS=W1440H812&DL=Y&S=afe4c6b9a9ea985d20d7acdbc4dc1665&SRVR=acadia.novanet.ca&TYP=Page_View_4.9.22.0&T=579&ignore=1608897634459" style="display: none;">

Novanet Patron account My Library Card **PRIORITY**
There is one image used that is missing an alt attribute with the null alt, and this must be remediated.
<img src="https://beacon01.alma.exlibrisgroup.com/boom/apache_pb.gif?A=Primo_Local&G=GUEST&I=ACAD&O5=01NOVA.ACAD.PPRD&O7=1&O9=ACAD&O12=0&O18=UI&O21=NUI&O23=Primo&O39=acadia.novanet.ca&OP=menu.myaccount.overview&P=myAccount&RS=W1440H812&S=99512651c6c86c1cea80607e1859a791&SRVR=acadia.novanet.ca&TYP=Page_View_4.9.22.0&T=1&ignore=1608917095263" style="display: none;">

Novanet Patron account My Loans **PRIORITY**
There is one image used that is missing an alt attribute with the null alt, and this must be remediated.
<img src="https://beacon01.alma.exlibrisgroup.com/boom/apache_pb.gif?A=Primo_Local&G=GUEST&I=ACAD&O5=01NOVA.ACAD.PPRD&O7=1&O9=ACAD&O12=0&O18=UI&O2

1=NUI&O23=Primo&O39=acadia.novanet.ca&OP=menu.myaccount.overview&P=myAccount&RS=W1440H812&S=99512651c6c86c1cea80607e1859a791&SRVR=acadia.novanet.ca&TYP=Page_View_4.9.22.0&T=1&ignore=1608917095263" style="display: none;">

Novanet Patron account My Requests
No issues noted.

Novanet Patron account Saved Items
No issues noted.

Novanet Patron account Search History
No issues noted.

Navigation

Importance and Users Impacted

The website should be as easy as possible to navigate for all users. The navigation should be consistent throughout the site, not only in placement, but also in the text used to describe each link. The navigation should also ideally show viewers where they are in the site hierarchy in some way. The way the navigation structures are coded is also important, as it needs to ensure that users can access the navigation, whether they are using different technology or not.

Findings

Novanet Landing page **PRIORITY**
The tester, who identified as having visual and hearing disabilities, and uses a screen reader (VoiceOver and JAWS 2020), encountered **MAJOR** barriers with the search function. These must be remediated.

The System Status page was problematic in VoiceOver, and this should be investigated.

> "VO; It didn't tell me what the current system status was. I went to the systems menu and it just seemed like a list of stuff.
> Jaws: I could do this fine."

The tester was not able to use the Favourites function at all.

The tester, who has the mobility disability and severe migraines, noted that when they went to the system status page, their screen reader technology (Speech to text) had an error message saying 'entire page is unreadable'.

The tester who has the mobility disability and severe migraines noted that it took them a long time to figure out the favourites widget:

> **"**This took me a long time to figure out, and was not intuitive at all. I didn't realize adding to favorites meant you had to click the pushpin. This needs to be more explicitly stated/indicated."

The tester, who identified as having low vision, and uses an iPad with pinch to zoom and/or a larger text size, identified an issue with the System Status page, which should be remediated:

> "I was easily able to find the system status button, however the results didn't make much sense when I clicked it. I was confused because I had to scroll down to see the key and am unsure why it is necessary to have the past five days of system status information. This makes it more difficult to read."

This tester also noted difficulties with the Favourites function, and more than one tester noted barriers with this functionality, so it should be remediated:

> "I was able to click the "choose top 50 results" and it went well. I had trouble adding them to my favourites as the favourites tab is only shown with a pin. Perhaps a button that says "Add to favourites" would be easier to see/understand. I was able to find my favourites area ok and could search by author with no problem."

> "It was difficult to unfavourite those two items in the search area as I had to tap the pin on each item twice. The pin was rather small and i didn't like having to tap it twice."

Novanet Simple search **PRIORITY**
The tester, who identified as having visual and hearing disabilities, and uses a screen reader (VoiceOver and JAWS 2020), could not access the top of page function at all.

This tester also noted a barrier when using VoiceOver on Mac, in that they did not know that there was the Sign In message area above the results (in yellow and blue). However, they did not have difficulty with the message with JAWS. This should be investigated and remediated.

This tester found the search process was not smooth at all, in either screen reader. This was mainly due to the fact that for screen reader users the filters come at the end of the page, after all the content, results, etc. This must be remediated, so the filters come before the results.

> "VO: it was cumbersome
> Jaws: it was average. I wouldn't want to use it. Its cumbersome because all the filters are at the end."

The tester who identified as having a hearing disability, as well as mobility and perception disabilities, noted this about trying to find the top of page link:

> "It took a while for me to notice the top of the page link but, once it was found, it was easy to use."

The tester, who identified as having low vision, and uses an iPad with pinch to zoom and/or a larger text size, identified an issue with the top of page link, which should be remediated:

> "I was able to find the top of page link. It was more difficult because i had to swipe my screen right and up to see it, and it had a transparent background so sometimes blended in a bit with the results page."

This tester also made a very good suggestion for the Advanced Search button on this page (and Simple Search button on the Advanced search page):

> "I clicked the simple search button and was taken to the simple search page. I would suggest making the simple search button look more like a button as it just looks like part of the page text currently which is a little confusing."

Novanet Advanced search **PRIORITY**

The tester who identified as having a hearing disability, as well as mobility and perception disabilities, noted that they experienced some trouble with filters:

> "Took a second to find as it [one filter] was not easy to notice. Found it eventually…I did not experience any barriers doing the search, just may have some trouble noticing the details of the filters."

Novanet Results page **PRIORITY**

No issues noted.

Novanet Title record (Dogs) **PRIORITY**
The tester, who identified as having visual and hearing disabilities, and uses a screen reader (VoiceOver and JAWS 2020), encountered **MAJOR** barriers with this record page.

The area with all the options for citation, print, etc. was NOT accessible in any way, and this area **MUST** be remediated. The tester related that they could not access the APA citation function:

> "VO: no, I tried to do this, First, I couldn't find the citation option so I had to go to the item chooser to see if it was even there. Then to click on it, I had to shift tab. When I finally got there, it didn't tell me whether the citation was AAPA or not. It just told me to copy it.
> Jaws: I couldn't find the APA citation of ir, there was no option for it. However, I could copy it to clipboard."

This tester also could not use other functions in this area, and these MUST be remediated:

> "VO: the permalink didn't work. I couldn't click on anything else because it got stuck. I couldn't email it to myself. Neither could I export the RIS.
> Jaws: It didn't read the permalink to me when I clicked on it. I could do the export RIS and print function but after clicking back and forth, I could find the email option fine but didn't put my details in it."

The tester also encountered barriers with the list of subjects, and this area needs a heading a minimum:

> "VO: I couldn't find it. After familiarizing myself with the page. I realized what were the subjects. There was no heading so I couldn't tell what they were initially.
> Jaws: it didn't say they were subjects but because I had familiarized myself with the page, I knew what they were. I went to dog breeding and it was fine."

The tester could not access Location Items to find the copy number in VoiceOver. They could not find the Location tab to open it. This functionality needs to be changed, so all users can access this area.

This tester also could not browse the shelf with VoiceOver or add their own tags. For the latter, the pop-up window did not register in either screen reader. All functionality on this page must be re-done and re-tested.

The tester, who has the mobility disability and severe migraines, noted a barrier for their screen reader technology (Speech to text), which needs to be remediated:

> "Although my screen reader can't read the "print" "permalink" "citation" etc buttons so that's an issue in terms of accessibility."

The tester, who has the mobility disability and severe migraines, noted that when they went to use the Tags section, their screen reader technology (Speech to text) encountered a barrier, which should be remediated:

> "Yes I was able to access the pop up window [for the add your own tags function]. Although I highlighted the Tags section for my screen reader to read but it wasn't able to."

The tester, who identified as having low vision, and uses an iPad with pinch to zoom and/or a larger text size, identified an issue with the RIS feature, which should be remediated:

> "I could find the APA citation and copy it no problem. I was likewise able to find the permalink and copy it, and also email the record to myself. The RIS was tricky as it said "Encoding" with a little arrow. It took me a few minutes before i figured out that i needed to hit the arrow to find UTF8. Perhaps making the arrow look more like a clickable object would be helpful. I was easily able to start the print process."

This tester added this for the RIS feature:

> "I was able to find the permalink, email the record, export the RIS in UTF8 and start the print process. The only challenge i found was that the drop down tab for the Export RIS section was difficult to see. It said "Encoding" then there was a small arrow. The arrow should be made bigger to look like an actual drop down menu."

This tester also noted another barrier relating to the Sign In Button. It is **IMPORTANT,** that this sign in area be put in a responsive webpage, so that it should adapt to any size of screen (and likely most magnification settings):

"I could find the sign in button however when i pressed it it said "sign in using:" and the text of the options were too large for the box. This is likely because my iPad enlarges text automatically, and so some of the "Acadia University sign in" and "Library barcode sign in" had been cut off."

This tester also noted a slight barrier with the location of a drop down:

"I could expand the location items number to find the copy number (1) I had to scroll to the right to find the tab, and might suggest making the drop down a bit closer to the edge of the text rather than having it all the way to the right."

Novanet Patron account My Library Card **PRIORITY**

The issues noted with navigation are under Colour, Links and other sections in this report.

One important note about the login page that comes before this My Library Card page.

This page **MUST** be completely redone, so it has a main heading, page title, and navigation that is similar to the other pages. Currently, it is just a blank page with the login, and this page should use the same template as the other pages.

The tester, who identified as having visual and hearing disabilities, and uses a screen reader (VoiceOver and JAWS 2020), encountered **MAJOR** barriers with the Patron account area. These must be remediated.

The tester could not access the tabs in any way that was usable, and even the top log in drop down was unusable. The tester had to use their very limited sight to even try to use this area, as they encountered **MAJOR** barriers:

"VO: First, I have to say that Voice over did not read the accessibility test account tab. I had to zoom in to do anything. I couldn't do anything from where I stopped on this screen reader because I decided for sure, that most options for sure were not readable. The panel to the right of the scree wasn't and the loans, requests, fines menu was also not readable by VO.
Jaws: No, all of this functions/options are unreadable."

The tester was asked to go to the Fines and Fees, and then try to change information in the Personal Details area, and barriers were noted:

> "VO: No, I could get in fine but I could not read whether you had fines or not. Neither could I go to the personal details with VO. I had to zoom in to click on it. When I did, I still couoldnt read the phone number edit field. It stopped reading at the language interface.
> Jaws: No, it didn't work. I could log in fine but I couldn't tell whether you had any fines or fees. I also couldn't get to your personal details."

They also could not go into the Update Login Credentials area or the overview of requests, nothing was read to the tester. As well, when the tester tried to change the language to French, JAWS could not read the language options at all.

The tester, who identified as having ADD (cognitive disability), noted no barriers with the Patron account testing:

> "Everything was easy to access and use. I did not find any barriers…my experience was seamless."

The tester, who has the mobility disability and severe migraines, noted a barrier for their screen reader technology (Speech to text), when they changed the default interface to French and when they tried to use the tabbed navigation area. This issue must be remediated:

> "Changed to French and then English with no problem. For screen reader, it read things in English, so it wasn't very accurate. Also was unable to read "Personal details" and everything below it. It read "my library card" and then jumped to "Blocks and Messages" and "personal Details" but didn't read the other tabs for some reason."

Novanet Patron account My Loans ****PRIORITY****
See the issues noted under Novanet Patron account My Library Card.

The tester, who identified as having visual and hearing disabilities, and uses a screen reader (VoiceOver and JAWS 2020), encountered ****MAJOR**** barriers with this area. These must be remediated.

The tester could not access the Previous Loans area with VoiceOver, and with JAWS they could get into that area, and but it told them nothing about what was in this area.

So the tester did not know that there were no loans at all there, and that must be added so all users can access this information.

The tester, who has the mobility disability and severe migraines, noted a barrier for their screen reader technology (Speech to text) when trying to access this area and its tabbed navigation, which must be remediated:

> "Yes, was able to find [Previous Loans]. My screen reader can't read "previous loans" or any of the dropdown boxes. Again, it reads "my library card" and then jumped to "Blocks and Messages" and "personal Details" but didn't read the other tabs for some reason."

Novanet Patron account My Requests **PRIORITY**
See the issues noted under Novanet Patron account My Library Card.

The tester, who identified as having visual and hearing disabilities, and uses a screen reader (VoiceOver and JAWS 2020), encountered **MAJOR** barriers with this area. The tester could not access any part of this area, it was unreadable. This whole area, including the tabbed navigation, must be recoded and re-tested.

Novanet Patron account Saved Items **PRIORITY**
See the issues noted under Novanet Patron account My Library Card.

The tester, who identified as having visual and hearing disabilities, and uses a screen reader (VoiceOver and JAWS 2020), encountered **MAJOR** barriers with this area. The tester could not access any part of this area, it was unreadable. This whole area, including the tabbed navigation, must be recoded and re-tested.

Novanet Patron account Search History **PRIORITY**
See the issues noted under Novanet Patron account My Library Card.

The tester, who identified as having visual and hearing disabilities, and uses a screen reader (VoiceOver and JAWS 2020), encountered **MAJOR** barriers with this area. The tester could not access any part of this area, it was unreadable. This whole area, including the tabbed navigation, must be recoded and re-tested.

The tester, who has the mobility disability and severe migraines, noted a barrier for their screen reader technology (Speech to text) when trying to access this area and its tabbed navigation, which must be remediated:

> "Found [Search History]. However when highlighted saved records, searches, and search history, my screen reader cant read it."

This tester also noted a barrier when trying to change the interface into French, and again this must be remediated:

> "Yes, no problem here [to change Display language into French]. Although again, the screen reader cant read this. I tried highlighting it and prompting it to read "English" "French" but that didn't work."

The tester, who identified as having low vision, and uses an iPad with pinch to zoom and/or a larger text size, identified an issue with the size of icon for the Search History feature, which should be remediated:

> "I could find the search history, although it was difficult because the icon was small and there was no text indicating what that button was."

The Consultant's suggestion of having all search related functionality in one place, on the left side, was echoed by this tester with visual disabilities:

> "The results part overall was fairly intuitive to use. I think the personalized results and selection button for the results should be located off to the left of the page along with the filters rather than on top of the page. This would make those buttons easier to find."

ARIA Code

Importance and Users Impacted

ARIA code is used primarily by screen reader users, and to a much lesser extent by voice recognition users. This code aids in navigation of web pages, and is sometimes required by WCAG. ARIA code has been mentioned elsewhere in this report, such as aria-label in the Calendar Section. Note that ARIA should never be used **instead** of HTML code, unless there is no other option.

There are different types of ARIA code that can be used on web pages. One ARIA element is landmarks, or roles, and these should be used on all web pages. Landmarks are invisible signposts in the code that are used by many screen reader users, and some voice recognition users.

With HTML 5, we can add important landmarks to note areas of the page in the code, such as <header>, <nav>, <main> and <footer> (a minimum should be header, footer and main). This code should also be mapped to ARIA roles, such as

role="banner",role="navigation", role="main" and role="contentinfo", for full functionality. It is also recommended that the role 'form' be used as well.

It is recommended that the code include full landmarks to indicate page layout. This was added to the recent update to WCAG 2.1. Even though these are considered at the 'gold level', it is recommended they be included in the code.

ARIA can also be used to alert the user to potential changes or dynamic areas. For example, in accordion drop downs, they have the capability of changing from closed to open, and ARIA code should be used to note that to those users.

Findings

Novanet Landing page **PRIORITY**
This page has no ARIA present. At a minimum, ARIA roles must be added.

Novanet Simple search **PRIORITY**
Roles are present, and the ARIA navigation role should be double checked to ensure it includes all navigation in the top banner area. Currently, it doesn't seem to be covering all navigation links.

There are two Banner roles present and one is inside of another, and this should be remediated. Only one Banner role should be present on the page. Note that there are many instances of ARIA hidden, and these should be double checked to ensure they are being used correctly.
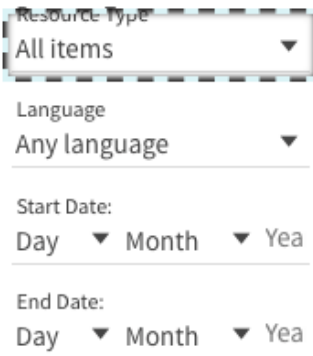
Novanet Advanced search **PRIORITY**
Some roles are present, and the ARIA navigation role should be double checked to ensure it includes all navigation in the top banner area. As well, all page content should be checked, as some of it is not within a landmark, such as the main text content areas. These need a landmark role added. There are two 'generic' regions used, and these should be double checked, as a more specific region should be substituted for them.

Novanet Express and holds will not be available due to holiday closures from December 14th to January 3rd. Please check with your library for other Document Delivery/Interlibrary Loan alternatives during this time.

Where can I get help?

There are two Banner roles present and one is inside of another, and this should be remediated. Only one Banner role should be present on the page. Note that there are many instances of ARIA hidden, and these should be double checked to ensure they are being used correctly.

All the drop downs in the main search area, such as the ones noted below, need to have aria-labels and aria-labelledby's added to each element in them.

Resource Type
All items ▼

Language
Any language ▼

Start Date:
Day ▼ Month ▼ Yea

End Date:
Day ▼ Month ▼ Yea

Novanet Results page <mark>****PRIORITY****</mark>
Some roles are present, and the ARIA navigation role should be double checked to ensure it includes all navigation in the top banner area. As well, all page content should be checked, as some of it may need to be moved into marked landmark role areas. There are 'generic' regions used, and these should be double checked, as a more specific region should be substituted for them. As well, they are not consistent. For example, Gun Dogs has no region, but the others do.
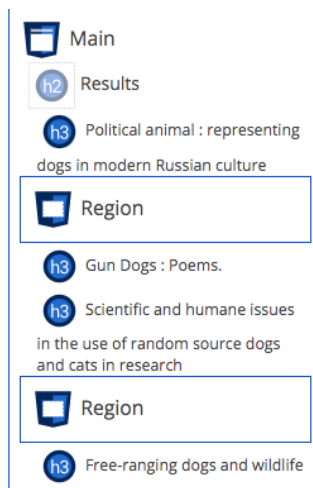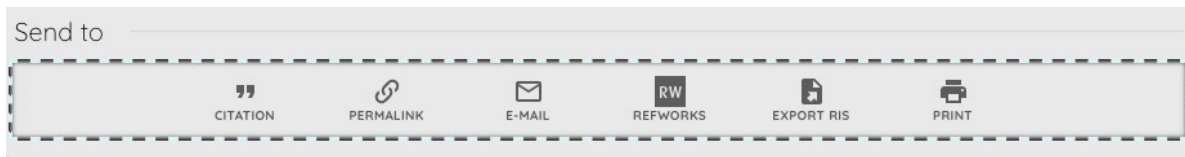
There are two Banner roles present and one is inside of another, and this should be remediated. Only one Banner role should be present on the page. Note that there are many instances of ARIA hidden, and these should be double checked to ensure they are being used correctly.

Novanet Title record (Dogs) **PRIORITY**

Some roles are present, and the ARIA navigation role should be double checked to ensure it includes all navigation in the top banner area. As well, all page content should be checked, as some of it is not within a landmark. Much of the main content area will need to be put into a Main landmark role. There is one 'generic' region used, and this should be double checked, as a more specific region should be substituted for it.

There are two Banner roles present and one is inside of another, and this should be remediated. Only one Banner role should be present on the page. There are multiple navigation roles used, and these should be double checked to ensure they are being used correctly, particularly for the Top, Details and Go area. Note that there are many instances of ARIA hidden, and these should be double checked to ensure they are being used correctly.

In the modal Description area, there is a broken aria reference that needs to be checked, as there doesn't appear to be a connection for it (aria-describedby="modalDescription"). This should be remediated. As well, in the Send To area need an aria-label to be added to it. This area also needs aria-listitem added to each item in the list.

Novanet Patron account My Library Card **PRIORITY**

Some roles are present, and the ARIA navigation role should be double checked to ensure it includes all navigation in the top banner area. As well, all page content should be checked, as some of it is not within a landmark, such as the Heading 1. These need a landmark role added.

There are two Banner roles present and one is inside of another, and this should be remediated. Only one Banner role should be present on the page. Note that there are many instances of ARIA hidden, and these should be double checked to ensure they are being used correctly.

As well, at the top of the Main landmark, is a navigational area. This could be made into another navigational role. However, it is recommended that this area be reimagined and tabs not be used. Instead a navigational area on the left side could be used for ease of use.

Many aria-labels are used, and they could be overused. For example, the primo icons are given alt text only in the aria-labels, and these should have a null alt used as they are not important. Finally, there are lists used with aria code in the four main dynamic content areas, and aria-listitems are needed once the lists are populated. This should be tested with the developer to ensure listitems are present for all items in those areas.

There are many duplicate IDs being used on the page, each should be checked to ensure they are unique.

Novanet Patron account My Loans **PRIORITY**

Some roles are present, and the ARIA navigation role should be double checked to ensure it includes all navigation in the top banner area. As well, all page content should be checked, as some of it is not within a landmark, such as the Heading 1. These need a landmark role added.

There are two Banner roles present and one is inside of another, and this should be remediated. Only one Banner role should be present on the page. Note that there are many instances of ARIA hidden, and these should be double checked to ensure they are being used correctly.

As well, at the top of the Main landmark, is a navigational area. This could be made into another navigational role. However, it is recommended that this area be reimagined and tabs not be used. Instead a navigational area on the left side could be used for ease of use.

Many aria-labels are used, and they could be overused. For example, there is a list used with aria code in the main dynamic content areas, and aria-listitems are needed once the lists are populated. This should be tested with the developer to ensure listitems are present for all items in those areas.

There are many duplicate IDs being used on the page, each should be checked to ensure they are unique.

Novanet Patron account My Requests ****PRIORITY****
Some roles are present, and the ARIA navigation role should be double checked to ensure it includes all navigation in the top banner area. As well, all page content should be checked, as some of it is not within a landmark, such as the Heading 1. These need a landmark role added.

There are two Banner roles present and one is inside of another, and this should be remediated. Only one Banner role should be present on the page. Note that there are many instances of ARIA hidden, and these should be double checked to ensure they are being used correctly.

As well, at the top of the Main landmark, is a navigational area. This could be made into another navigational role. However, it is recommended that this area be reimagined and tabs not be used. Instead a navigational area on the left side could be used for ease of use.

Many aria-labels are used, and they could be overused. For example, the primo icons are given alt text only in the aria-labels, and these should have a null alt used as they are not important. Finally, there are lists used with aria code in the four main dynamic content areas, and aria-listitems are needed once the lists are populated. This should be tested with the developer to ensure listitems are present for all items in those areas.

Novanet Patron account Saved Items ****PRIORITY****
Some roles are present, and the ARIA navigation role should be double checked to ensure it includes all navigation in the top banner area. As well, all page content should be checked, as some of it is not within a landmark, such as the Heading 1. These need a landmark role added. There are 'generic' regions used, and these should be double checked, as a more specific region should be substituted for them.

There are two Banner roles present and one is inside of another, and this should be remediated. Only one Banner role should be present on the page. Note that there are many instances of ARIA hidden, and these should be double checked to ensure they are being used correctly.

There is a navigation area that is not in a Navigation landmark, and it should be remediated. However, it is recommended that this area be reimagined and tabs not be used. Instead a navigational area on the left side could be used for ease of use.

There is also a Contentinfo landmark area, and in the consultant's view that role is incorrect. It should be changed to Complimentary.
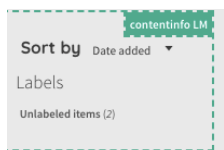
There is an aria listitem used here, but the consultant could not find the parent aria-list used. This should be examined and remediated if needed. Plus, there is an ARIA menu that needs menuitem code added to the items in it.

Many aria-labels are used, and they could be overused. For example, the primo icons are given alt text only in the aria-labels, and these should have a null alt used as they are not important. Finally, there are lists used with aria code in the four main dynamic content areas, and aria-listitems are needed once the lists are populated. This should be tested with the developer to ensure listitems are present for all items in those areas.
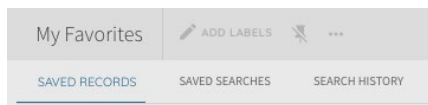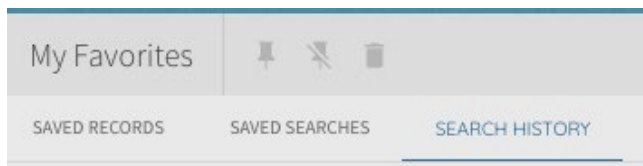
Novanet Patron account Search History <mark>****PRIORITY****</mark>
Some roles are present, and the ARIA navigation role should be double checked to ensure it includes all navigation in the top banner area. As well, all page content should be checked, as some of it is not within a landmark, such as the Heading 1. These need a landmark role added. There are 'generic' regions used, and these should be double checked, as a more specific region should be substituted for them.

There are two Banner roles present and one is inside of another, and this should be remediated. Only one Banner role should be present on the page. Note that there are many instances of ARIA hidden, and these should be double checked to ensure they are being used correctly.

There is a navigation area that is not in a Navigation landmark, and it should be remediated. However, it is recommended that this area be reimagined and tabs not be used. Instead a navigational area on the left side could be used for ease of use.

There is an aria listitem used here, but the consultant could not find the parent aria-list used. This should be examined and remediated if needed.

There are many duplicate IDs being used on the page, each should be checked to ensure they are unique.

Search Mechanism and Results

Importance and Users Impacted

Form elements, such as search mechanisms, must be accessible for all users, including screen reader users who are blind, Deaf-Blind or have low vision. Labels should be used on all form elements. Labels tell the user what the field is called and/or what to add in there, and these should link to the text next to each form item. So, the Username text next to a form element would match the Username label attached to that element in the code. As well, the label and ID should be the same, as in <label for="searchbox"> and <input id="searchbox">.

If a visible label can't be added to the form, search box, etc., then one has to add code for viewers without sight. The most common method to add invisible label like

information to the code today is to use aria-labelledby. It isn't perfect by any means, but provides some information to screen reader users. Labels are not required for image, submit, reset, button, or hidden form controls.

Search buttons should be used, and they should use the <button> code, and not other code. If the <button> code is not used, many screen reader users without sight, and voice control users with sight may encounter severe issues with the use of that search input feature.

Many developers use placeholder text in search boxes to alert the user to how they can use that search or form element. It can be useful for voice control users, if it is paired with a label that has the exact same text. Although this is problematic, because that label text disappears as soon as words are entered the box, making it hard to reuse that search box in some situations. Users have the least issues when a visible label is used, without placeholder text.
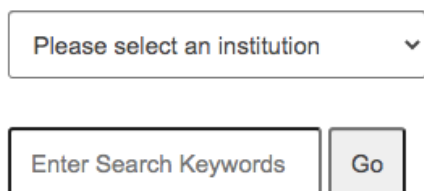
While other consultants may disagree, it is recommended that placeholder text not be used in search or form boxes. Placeholders can cause many issues. This field may look 'pre filled', and it disappears when activated, which may cause confusion for elders, people with mobility disabilities and/or viewers with cognitive disabilities. As well, it doesn't provide the same information to screen reader, or voice recognition, users that labels do, and finally on a device keyboard the label is better, because it provides information without erasure.

Search results must be accessible, and easy to use by all users, whether they have a disability or not.

Findings

Novanet Landing page **PRIORITY**
There are no labels present for the select box or the search box, and these **MUST** be added. There is placeholder text used, and it should be removed as it can cause difficulty and/or confusion for some users. Finally, there is Javascript that controls the Institution select box, and this should be removed if at all possible.

There is an <input> used for the Go button. While this is a valid way of submission, it is recommended that a <button> be used when possible. If the <input> is kept, then a name=Go should be added. Note, that Go isn't as descriptive as it could be, and something like 'Search' should be used instead.

Novanet Simple search **PRIORITY**
There is no label present for the search box, and these **MUST** be added. There is placeholder text used, and it should be removed as it can cause difficulty and/or confusion for some users.
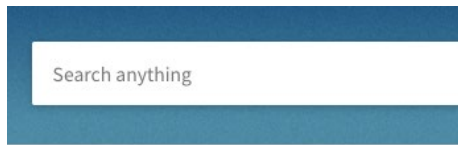
One of the checkers flagged two duplicate IDs being used on the page, the 'restore' and 'prm pin'. These related to the top Search History and Favorites icons. The IDs on the page should be double checked to ensure each one is unique.

The tester, who identified as having visual and hearing disabilities, and uses a screen reader (VoiceOver and JAWS 2020), encountered **MAJOR** barriers with the search function. These must be remediated.

The search process was able to be accessed, but the page itself needs more clarity, and the headings need to be improved:

> "VO: the results were ok. The headings were not very clear. There should be more clarity on the page,
> Jaws: yes it went well."

The older tester, who identified as having ADHD (cognitive disability), commented on aspects on this webpage. They were happy to discover functions, due to the testing, that they had not encountered before. When they scrolled down the results, so they could go to the next page by loading more results, they commented:

> "Wow, I use Novanet all the time and I had no idea there was a tab for pages. Has that always been there? amazing!! So much easier than those little hard to find "next" arrows. Easy to see – it almost pops out like 3d, easy to click – responded first

click, and it actually loaded pretty quickly too so that prevented me from impatiently hitting it a few times with the mouse."

They also remarked on how testing made them aware of the top of the page link that is available to them on the page as they scroll. However, they did note that the arrow wasn't intuitive:

"I never saw that before either. But I had to hover over it to know what the arrow was. Truthfully I use "back to the top" whenever I see them at work but I honestly never saw this one before. Also, If I wasn't familiar with the function I might not think to hover over it for the instruction -There is an expectation that we know what that arrow pointing upwards means. Maybe it's a given with the new generations."

Novanet Advanced search ****PRIORITY****
One of the checkers noted an empty button for the Simple Search. The code should be double checked to ensure it is correct.
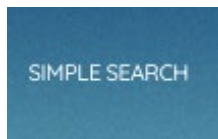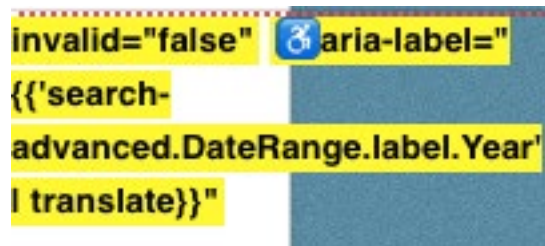
The form code for this page needs to be remediated. There are labels present for Resource Type, Language, Start Date and End Dates, but they are outside of the proper form code. As well, the labels need to be adjusted so they are best practice. For example, the label for Language has a for="select_8", but this should be changed to Language or Language_Choice.

Then the input area names should also be re-examined and made more usable as well. Currently, they are just something like "input_34" and this is not descriptive.

The aria-labels are more descriptive, but all aspects of the form should be descriptive (such as the input, ID, etc.), not just the aria-label. However, in some cases the aria-label is full of database language that may confuse screen reader users and this should be remediated.

As well, the checkers flagged four duplicate IDs being used on the page, the 'restore' and 'prm pin' for the top icons, and in the 'Any Field' 'Contains', select_value_label_28 and select_value_label_31. The IDs on the page should be double checked to ensure each one is unique.

The tester, who identified as having visual and hearing disabilities, and uses a screen reader (VoiceOver and JAWS 2020), encountered **MAJOR** barriers with the search function. These must be remediated.

The tester could **NOT** find the fields to change information, such as Search Acadia only, Course Name is Exact, and to put in Economics, in VoiceOver on the Mac. Labels must be added to these fields, and then re-test them. However, both Voiceover and JAWS met a barrier, as neither indicated fields to choose Not, Title and then Basic.

When they went to type in the actual search term, major barriers were noted:

> "VO: I couldn't find where to type in the term until I used the item chooser – ctrl +option+I. I couldn't perform the other search functions requested because I don't even understand what's going on on the page.
> Jaws: it was very confusing. The search boxes were very confusing. I didn't understand them. In the end, it only searched for economics. I don't know why."

When they went back to the search box to change Title to Subject Contains and type in Canada, and try to change the Course name to Title contains and put in Education, the tester couldn't do these functions, because there were barriers for the screen readers.

The tester encountered other **MAJOR** barriers, when trying to change the Advanced Search filters, when trying to choose Resource Type to Journals, Language to English and finally do the dates 1 January 1900 to 1 January 2020. As well as when trying to

add a new line with Not Author contains and then type in Laura. They could not do any of these functions, due to barriers in the form code.

The tester could also not activate the Simple Search button on this page with VoiceOver, but they could with JAWS 2000. Overall, the tester noted their frustration with this Advanced Search page:

> "VO:it was very unsuccessful and painful. I couldn't search properly or even pick out the tabs.
> Jaws: it was a little more successful with Jaws but the search boxes were still very unclear. I couldn't pick the boulion and the start and end date."

The tester, who identified as having visual and hearing disabilities, and uses a screen reader (VoiceOver and JAWS 2020), encountered **MAJOR** barriers with the search function. These must be remediated.

On this page there were **MAJOR** barriers to access, particularly with VoiceOver. The tester was asked to use some of the filters and then filter by language, change this to French. When they did the language, that menu could not be closed, so they had to abort any other testing on this page and had to start it all again.

Even more **SEVERE** barriers were noted by this tester, because they could not use most of the filters on this page, including filter by location (Acadia Library Electronic Materials), the Language filter (French then English), and they could not select any of the records in the results area, choose the top results, open a record or personalize the results:

> "VO: I wasn't able to do all of this because I could not find the filters. They must be screen reader unreadable.
> Jaws: I wasn't able to do all of this because I could not find the filters."

This page, and the simple search page, frustrated this user and they noted (particularly for VoiceOver):

> "VO: I was not able to do a lot there. I was not able to filter at all. The only time I heard Vaughn memorial, it took me back to the home page. So I assume that Vaughn memorial is the arcadia university home page. This test was overall very frustrating. I had to stop because it was going nowhere."

The tester, who has the mobility disability and severe migraines, noted a barrier with the Personalize results feature:

> "The filter "Business and Economics" was really hard to find because it wasn't in alphabetical order? Like it was so low on the list I was confused. Filtering otherwise was fine—I was able to filter by newest date."

The tester who identified as having panic and anxiety (cognitive disabilities) noted about the Personalization option:

> "I could not find where it would have allowed me to personalize the results to just Business and Economics, with the search still being dogs these were not subject options."

From the tester feedback, and the Consultant's experience with these functions, the Personalization option should be reconsidered. If possible, these options could go in the left side facet area, instead of a separate option.

The older tester, who identified as having ADHD (cognitive disability), commented on options and features on this webpage. They first commented on the difficulty on finding the help feature on this page:

> "It went ok. I am familiar with Novanet through the mount and struggle with this site all the time. I looked up and then left and then saw it bottom right. I didn't see it – I'm looking for an icon. And also, for help solutions I tend to look left as many help selections for sites are in a left menu – also, the webpage doesn't all fit on the screen, so I had to scroll down. The " where to find help" is the only line visible and it just looks like text or content, so I ignore it. It doesn't stand out at all and only having the heading visible doesn't help either."

This tester also found the Advanced Search area hard to use:

> [The process was…] Really hard – I actually have never realized that there was an option beyond subject/title for the fields. So I was looking all over for that. I wanted to use the "course reserves" on the top bar. When I got to the title/basic instruction I wasn't sure if I should use exact or contains and so I tried both, same results."

When they were asked to enable more filters, such as specific dates, change the Resource Type, and then add a new line to say 'Not Author', they noted barriers with the wording used for the filters and with the filters themselves:

"Once again, I had actually had to figure out the difference between availability and Resource type. I have all along been using "availability" as my resource type when I am selecting material and didn't understand why it wasn't working well to filter. With the instructions to "*choose Resource Type to Journals*" it made me cognitively aware that Resource type and Availability were different – I had been interpreting "availability" as available content – like journal, book,etc as the style of resource and have been using this search tool incorrectly for 2 years. I am embarrassed but at the same time there is this "aha" moment.

I did get one result – the journal of consumer science and home economics. Which I ha to do twice because after the bullet ending in the date range I hit "apply filter" and then moved on to the second bullet. That's the adhd lol. "Stop, Do not apply filter yet" might have helped.

They also noted the overwhelming nature of the left side facets and the Advanced Search area:

"If I have to scroll, I don't always know what other selections or content there are. So, it's not really a barrier I suppose, I feel like I am being careless or lazy. I'm not, I just don't think to look and see what other options are there besides title author and subject fields, and I didn't anticipate there being so many field options. And same for the filters - that is one busy neighbourhood down in the lower half of the screen once you do a search and get results. I don't want to take the time to look at it all, it's overwhelming."

"It is a really busy webpage. And, the font is not easy to skim read, search visually through, or read graphically. Also, the style, sizing inconsistency with capitals and not capitals, drives me crazy. I don't think I could have articulated that without doing this exercise."

It is recommended that the search options be reconsidered, as the multitude of options in different areas of the page may overwhelm other users.

This tester also noted a positive experience due to the testing:

"Even though I took the research course (something like Library 2100?) at msvu, and completed the orientation, I really didn't understand how to use Novanet. I think these exercises are really helpful, they make me cognitively aware of what is there and what to look for next time and they also help me make a map of the

resource. Once I navigate it for a practical reason, I am more likely to feel comfortable navigating it again and exploring a little more deeply."

The tester, who has the mobility disability and severe migraines, noted that when did the first search, and then came back and changed Not to And, and the Title to Subject Contains, with type in Canada, an odd thing happened when they pressed the Search button:

> "I had to click the search button twice before the results loaded. That was odd. The first time I clicked search it mimicked the previous results, so the second time I hit search it loaded correctly."

No other tester reported this odd search button issue, but this technical issue should be investigated.

This tester was asked to use the filters in the Advanced Search, such as putting in dates, changing Language to English, add a new line for Not Author contains, etc., and they noted great difficulty with this feature:

> "It didn't work. I had to individually add each individual filter which is tedious. And it wont let me type "1900" as the year—it keeps changing to "1920"—I tried this twice. I also originally set the filters in the advanced search but when I inputted into the basic search (eg Laura), it erased my advanced search filters and then I had to individual add each filter (journal, English, dates)."

When this tester tried to activate the Simple Search link, they noted a barrier for their screen reader technology (Speech to text), which must be remediated:

> "I was able to use this without problem. However, my screen reader actually can't read the "simple search" button and vice versa when I want to switch from simple search to advanced search."

The tester, who identified as having low vision, and uses an iPad with pinch to zoom and/or a larger text size, identified an issue with the search filters, which should be remediated:

> "I wasn't sure whether the Acadia Vaughn Memorial Library was under the filter "Library" or "Location" and was unable to find it. This filter system was confusing to trawl through each section, and the "Location" options didn't seem to be in any particular order."

They also noted a text size barrier when selecting records:

> "The process of changing the filters and selecting two results went well. I was easily able to select the results and could see the text "You have selected 2 records". I would suggest making that text bold or bigger though as it was a bit small."

This tester also identified an issue with the Advanced Search features. The tester related that this did not interfere with their overall search.

> "I had some difficulty scrolling the text drop down menu to find title, but after a few tries got it. I was able to find results and found no other issues."

They also identified an issue with the Personalize feature area, which should be remediated:

> "I was able to personalize the results and prefer newer material however i found the toggle switch to personalize the results was small and in an odd spot. It would be easier to see if it was located near the filter buttons rather than off to the right."

Novanet Results page ****PRIORITY****

The form code for this page needs to be remediated. The labels need to be adjusted so they are best practice. For example, the label 'From' has a for="input_56', and this needs to be made descriptive.

There are many duplicate IDs being used on the page, each should be checked to ensure they are unique.

Novanet Title record (Dogs) ****PRIORITY****

The form code for this page needs to be remediated. There is an empty form label present, which should be deleted. There are some duplicate IDs being used on the page, each should be checked to ensure they are unique.

Novanet Patron account My Library Card ****PRIORITY****

To get to the My Library Card, one has to sign in. The sign in page needs to be remediated. As mentioned earlier it must be included in the overall template used on other pages, and the form page must be reimagined to be more descriptive with headings, skip links, site navigation, etc.

The form input areas need remediation. There is an empty form label present around the login button that should be removed. There is also one around part of the address code that presumably belongs to the page with the address information. It too should be removed. There is other form code that relates to the address area, where the labels are not put into the form code. This should be investigated as it is causing code errors. As well, the Barcode input area should be named Barcode in the code, and 'username' for consistency.

The error message is technically okay, but it is preferable to have an error message area at the top of the form, and then have an error indication in the part(s) of the form that need to be filled out again.

Novanet Patron account My Loans **PRIORITY**

The form input areas need remediation. There is an empty form label present around part of the address code that presumably belongs to the page with the address information. It should be removed. There is other form code that relates to the address area, where the labels are not put into the form code. This should be investigated as it is causing code errors.

Novanet Patron account My Requests **PRIORITY**
The form input areas need remediation. There is an empty form label present around part of the address code that presumably belongs to the page with the address information. It should be removed. There is other form code that relates to the address area, where the labels are not put into the form code. This should be investigated as it is causing code errors.

Novanet Patron account Saved Items **PRIORITY**
The form input areas need remediation. There is an empty form label present around part of the address code that presumably belongs to the page with the address information. It should be removed.

Novanet Patron account Search History **PRIORITY**
The form input areas need remediation. There is an empty form label present around part of the address code that presumably belongs to the page with the address information. It should be removed.

The tester, who has the mobility disability and severe migraines, noted barriers when trying to find the Search History on the Advanced Search page, and then with the Search History feature itself:

"This search history was way too hard to find. I had to toggle between Advanced and Simple searches with no avail, so then I clicked around the site until I hit "Menu→ Search History". This needs to be more intuitive/explicitly stated. I deleted one item with no problem. I deleted all my searches but that required me to do it twice. Ie the first time it only deleted 8 even when I selected all. So I had to select all again and delete them all."

Tables

Importance and Users Impacted

Tables should only be used in web pages when they hold data. They should not be used for design or layout purposes. Users, particularly screen reader users who are blind, Deaf-Blind or have low vision, who can't see the content in the tables, expect data to be in them. So, when they are used for layout and design, it is a confusing experience.

Findings

Novanet Landing page
No issues noted.

Novanet Simple search
No issues noted.

Novanet Advanced search
No issues noted.

Novanet Results page
No issues noted.

Novanet Title record (Dogs)
No issues noted.

Novanet Patron account My Library Card
No issues noted.

Novanet Patron account My Loans
No issues noted.

Novanet Patron account My Requests

No issues noted.

Novanet Patron account Saved Items
No issues noted.

Novanet Patron account Search History
No issues noted.

CSS

Internal CSS

CSS needs to be located in external CSS files, not in the HTML files, so it can be updated in a consistent manner. CSS is present in the HTML code, and this should be removed, if possible, and put into a separate CSS file.

Novanet Landing page <mark>*SECONDARY PRIORITY*</mark>
There are instances of internal CSS found on this page. If the code can be changed, so that all CSS code is located in the external CSS file, then this should be done.


```
        <h1>Search Novanet</h1>

 <style type="text/css">
    input {
      display: inline-block;
      border-radius: 0.2em;
      box-shadow: inset 0 1px 1px -1px #333;
      /* box-shadow: #000 0px 2px 7px 0px; */
      font-size: 15px;
      color: #444;
      padding: 0.8em;
      margin: 1em 0 1em 0;
      width: auto;
    `

<li style='display:none;'></li>
```


Novanet Simple search <mark>*SECONDARY PRIORITY*</mark>
Check the CSS code as noted in the other pages.

Novanet Advanced search <mark>*SECONDARY PRIORITY*</mark>
Check the CSS code as noted in the other pages.

Novanet Results page <mark>*SECONDARY PRIORITY*</mark>
Check the CSS code as noted in the other pages.

Novanet Title record (Dogs) <mark>*SECONDARY PRIORITY*</mark>
There are issues noted in the code, and there is the use of the !important element. This MUST only be used if absolutely necessary, because it can interfere with user based

CSS stylesheets. All CSS code should be located in the external CSS file, if at all possible.

Novanet Patron account My Library Card <mark>*SECONDARY PRIORITY*</mark>
There was internal CSS code noted, and this should be moved to an external CSS style sheet, if at all possible.

Novanet Patron account My Loans <mark>*SECONDARY PRIORITY*</mark>
There was internal CSS code noted, and this should be moved to an external CSS style sheet, if at all possible.

Novanet Patron account My Requests <mark>*SECONDARY PRIORITY*</mark>
There was internal CSS code noted, and this should be moved to an external CSS style sheet, if at all possible.

Novanet Patron account Saved Items <mark>*SECONDARY PRIORITY*</mark>
There was internal CSS code noted, and this should be moved to an external CSS style sheet, if at all possible.

Novanet Patron account Search History <mark>*SECONDARY PRIORITY*</mark>
There was internal CSS code noted, and this should be moved to an external CSS style sheet, if at all possible.

HTML Code Errors

Importance and Users Impacted

There should be no HTML code errors present on web pages, if possible. This makes the site better for people, as well as search engines. The NU html checker (https://validator.w3.org/nu/) should be used to find, and then fix, errors.

Findings

Novanet Landing page <mark>*SECONDARY PRIORITY*</mark>
The page does have HTML errors, and these should all be remediated, if at all possible.

Novanet Simple search <mark>*SECONDARY PRIORITY*</mark>
The page does have HTML errors, and these should all be remediated, if at all possible.

Novanet Advanced search <mark>*SECONDARY PRIORITY*</mark>

The page does have HTML errors, and these should all be remediated, if at all possible.

Novanet Results page <mark>*SECONDARY PRIORITY*</mark>
The page does have HTML errors, and these should all be remediated, if at all possible.

Novanet Title record (Dogs) <mark>*SECONDARY PRIORITY*</mark>
The page does have HTML errors, and these should all be remediated, if at all possible.

Novanet Patron account My Library Card <mark>*SECONDARY PRIORITY*</mark>
The page does have HTML errors, and these should all be remediated, if at all possible.

Novanet Patron account My Loans <mark>*SECONDARY PRIORITY*</mark>
The page does have HTML errors, and these should all be remediated, if at all possible.

Novanet Patron account My Requests <mark>*SECONDARY PRIORITY*</mark>
The page does have HTML errors, and these should all be remediated, if at all possible.

Novanet Patron account Saved Items <mark>*SECONDARY PRIORITY*</mark>
The page does have HTML errors, and these should all be remediated, if at all possible.

Novanet Patron account Search History <mark>*SECONDARY PRIORITY*</mark>
The page does have HTML errors, and these should all be remediated, if at all possible.

Video and Audio

Importance and Users Impacted

Video and audio need to be accessible to all users. Captions must be present on all videos for users who are Deaf/deaf or hard of hearing. However, these are also used by many other users, who don't necessarily have a hearing disability. Other users can include learners with English as an additional language, people with low literacy, younger people with ADD and ADHD, etc.

Audio and video also need to have text transcripts that provide users with an exact text translation of the audio. Transcripts can be used by everyone, but are crucial for people who are Deaf-Blind.

As well, audio description needs to be present in audio and video to describe actions not spoken in words, or noted in the text transcript. This can be emotions, names, actions, clothing choices, positioning, etc. Audio description should be added to the text

transcript, as well as to the soundtrack. This can be used by everyone, but is crucial for people who are blind, Deaf-Blind, low vision, Deaf/deaf and/or hard of hearing. Finally, sign language should be considered, as it can be the first language for many people who are Deaf/deaf.

Findings

Novanet Landing page
No issues noted.

Novanet Simple search
No issues noted.

Novanet Advanced search
No issues noted.

Novanet Results page
No issues noted.

Novanet Title record (Dogs)
No issues noted.

Novanet Patron account My Library Card
No issues noted.

Novanet Patron account My Loans
No issues noted.

Novanet Patron account My Requests
No issues noted.

Novanet Patron account Saved Items
No issues noted.

Novanet Patron account Search History
No issues noted.

Disclaimer

- The Client acknowledges that the requirements of the Accessibility for Manitobans Act (AMA), Accessibility Act of Nova Scotia (AA), Accessibility for Ontarians with Disabilities Act (AODA), British Columbia Accessibility Act, Accessible Canada Act, Revised Section 508 (Refresh), and/or any other American and/or Canadian provincial and/or federal laws, rules, codes, ordinances and regulations as they apply to the services provided, will be subject to various and possibly contradictory interpretations.
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