High-level accessibility review – LAA (TechStreet Enterprise)

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TechStreet Enterprise

Summary

Top 3 problems for the TechStreet Enterprise

This high-level assessment covers limited portions and functionality of the TechStreet Enterprise. The assessment revealed issues with assistive technology compatibility, resulting in some users missing information required to understand content, states and operate functions. It is important to keep in mind that the findings represent a high-level assessment, and do not reflect the results of a Deque Comprehensive Web Assessment.

1. **Info and Relationships** – Information, structure, and relationships conveyed through presentation on many elements is not programmatically determined.
2. **Non-text Contrast** – Many active interactive elements or states of the elements do not have enough contrast with the background.
3. **Use of Color** – Several elements do not have enough contrast between the text and background.

Accessibility findings

Automated findings using Axe

Issues found through automated testing come from the Axe plugin, an open source accessibility testing tool that is available for Chrome, Firefox and Edge. Details here: [https://www.deque.com/products/axe/](https://www.deque.com/products/axe/).

1. **No site wide automated issues were detected.**

Additional manual findings using NVDA screen reader

1. **SC 1.3.1 A** – Info and Relationships – The footer navigation has 3 sections with a visible heading, but the visible headings are not marked as such.
2. **SC 1.4.11 AA** – Non-text Contrast – The focus state of the search buttons on the majority of pages does not have at least 3:1 contrast with adjacent background.
3. **SC 1.4.3 AA** – Contrast – The search button text on hover on most pages does not have at least 4.5:1 contrast with the background. Text: #ffffff, Background: #5AA8A9, Contrast Ratio: 2.8:1.
1. **Landing Page**

Source: https://subscriptions-techstreet-com.proxy.lib.umich.edu/

**Test case:** Test initial interface/landing page to ensure menus, search box, images, icons, etc. are accessible.

![Techstreet Enterprise Landing Page](image)

**Automated findings using Axe**

1. **SC 1.4.1 A** – Link Color Contrast – “Links within paragraphs” are only identified by color and lack 3:1 contrast with the adjacent text. Link Color: #0e8383, Adjacent Text: #414042, contrast: 2.3:1.
2. **SC 1.3.1 A** – Info and Relationships – Within the Welcome to Techstreet Enterprise list of links the UL contains a child element of <br> that is not allowed.

**Additional manual findings using NVDA screen reader**

1. **SC 1.1.1 A** – Non-text Content – The alternative text for the “Provided by M Library” image doesn’t describe the purpose of the image. Should include the visible text of the image.
2. **SC 1.4.11 AA** – Non-text contrast – The focus indicator of the search button does not have at least 3:1 contrast with outside adjacent color. Focus indicator: #29788C, Outside adjacent color: #414B4D, Contrast Ratio: 1.8:1.
3. **SC 3.1.2 AA** – Language of Parts – French language option does not have lang attribute set to identify the change in language.
4. **SC 4.1.2 A** – Name, Role, Value – The homepage navigation visually shows as the current page but the aria-attribute is not programmatically set so screen readers users do not get this information.
2. Search Results – ASTM

Source: https://subscriptions-techstreet-com.proxy.lib.umich.edu/searches/21899572

Test case: From the initial interface, perform a search for: ASTM. Test search results page, including filters/refine search by “Amended” under Document Status and sort by Document Name.

Automated findings using Axe
No automated issues detected.

Additional manual findings using NVDA screen reader
1. SC 1.3.1 A – Info and Relationships – The search results details (Published, By, Amendments, Historical) are not properly setup as a list. Each line is it’s own list.
2. SC 1.3.1 A – Info and Relationships – The filter groups have a visible group label to understand the filter options but the programmatic group labels are missing so screen reader users do not get the same experience.
3. SC 1.4.1 A – Use of Color – The search result detail links (Published, By, Amendments, Historical) are only identified by color and color does not have at least 3:1 contrast with the adjacent text. Link Text: #0e8383, Surrounding Text: #414042, Contrast Ratio: 2.3:1.
4. SC 1.4.3 AA – Contrast – Reset button text on hover does not have at least 4.5:1 contrast. Text: #6DA9A9, Background: #ffffff, Contrast Ratio: 2.7:1.
5. SC 1.4.11 AA – Non-text Contrast – Filter checkboxes do not have at least 3:1 contrast with adjacent background: Checkboxes: #C8C8C8, Background: #ffffff, Contrast Ratio: 1.7:1.
6. **SC 1.4.11 AA** – Non-text Contrast – Reset filters button and Sort by combobox focus indicator does not have at least 3:1 contrast with the adjacent background. Focus indicator: #45D2F5, Background: #ffffff, Contrast Ratio: 1.8:1.

7. **SC 2.1.1 A** – Keyboard – Filter Tooltips and Not subscribed label have a popup open on hover but the content cannot be reached with the keyboard alone.

8. **SC 2.4.7 AA** – Focus Visible – The filter checkboxes are missing a focus indicator when they have keyboard focus.

9. **SC 3.2.2 A** – On Input – When the filter checkboxes are activated the page reloads with updated filtered content. The input fields should be able to be checked and not do anything until the user requests the change.

10. **SC 3.3.2 A** – Labels or Instructions – The filter search boxes have a placeholder label but the label disappears once the user interacts with the field. The label needs to be persistent.

11. **SC 4.1.2 A** – Name, Role, Value – The filter tooltips and not subscribed tooltips are clickable buttons via the mouse but they are missing a role of button.

12. **SC 4.1.2 A** – Name, Role, Value – The pagination links at the bottom of the page do not have accessible names that match the visible function.

13. **SC 4.1.3 AA** – Status Messages – When the filters are adjusted the search results message about the number of results is updated but is not announced to screen reader users.
3. Search Results Details

Source: https://subscriptions-techstreet-com.proxy.lib.umich.edu/products/848578
Test case: Test individual search result landing page Proclaiming the Truth, 2nd Ed.

Automated findings using Axe
No automated issues detected.

Additional manual findings using NVDA screen reader
Not completed due to insufficient time.
4. Video

Source: https://share.vidyard.com/watch/1SNMyTsDx8d8aZ3RRaZGGC
Test case: Test a tutorial video provided at the Video Library.

Automated findings using Axe

1. SC 1.4.4 AA – Resize Text – the meta data viewport disables scaling as there is a max scale set that is the same as the initial scale.

Additional manual findings using NVDA screen reader

1. SC 1.2.2 A – Captions (Prerecorded) – Video does not have captions.