

High-level accessibility review - BTAA (DocuSeek2 Via ProQuest's Alexander Street Press Platform)

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DocuSeek2 Via ProQuest's Alexander Street Press Platform

Summary

Top 3 problems for DocuSeek2 Videos

This assessment covers portions of the DocuSeek2 Video application. The assessment revealed some problems with screen reader compatibility, resulting in screen reader users sometimes missing critical information needed to understand how to operate the features.

1. **Focus** – the keyboard focus is not always following the expected order, and can be trapped due to items opening on being focused. Sometimes custom widgets, plugins, embedded applications, and other content formats can create a keyboard "trap" where the keyboard focus gets stuck in one place or within a widget or application. Keyboard traps can make interacting with web content extremely difficult or impossible for keyboard users. Keyboard users must be able to move into, and away from, any user interface component, simply by using their keyboard. When keyboard traps are removed, people who rely on a keyboard will be able to access all of the otherwise-accessible content.
2. **Buttons** – buttons are not always given meaningful labels or get focused in the expected order. Buttons must have discernible text that clearly describes the button's function or action for screen reader and other assistive technology users.
3. **Fields** – not all fields are labelled in a meaningful way or grouped with an owning label. People who are blind cannot use the visual presentation of a form to determine the label for a form element. In order for screen reader users to be certain of a form field's label, every form input and control needs a label, also known as an "accessible name." When form elements have a programmatically determinable accessible name, a screen reader user can put focus on a form element and the screen reader will automatically read the label and element type together. In addition, some coding methods will create a larger clickable area for the form element which benefits people with motor disabilities.

Accessibility findings

Project wide issues

The issues presented in this section were identified in multiple pages and are recorded here to avoid repetition. These are applicable to each screen. Due to particularities, similar issues are still reported on a page per page basis, where applicable.

Automated findings using Axe

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

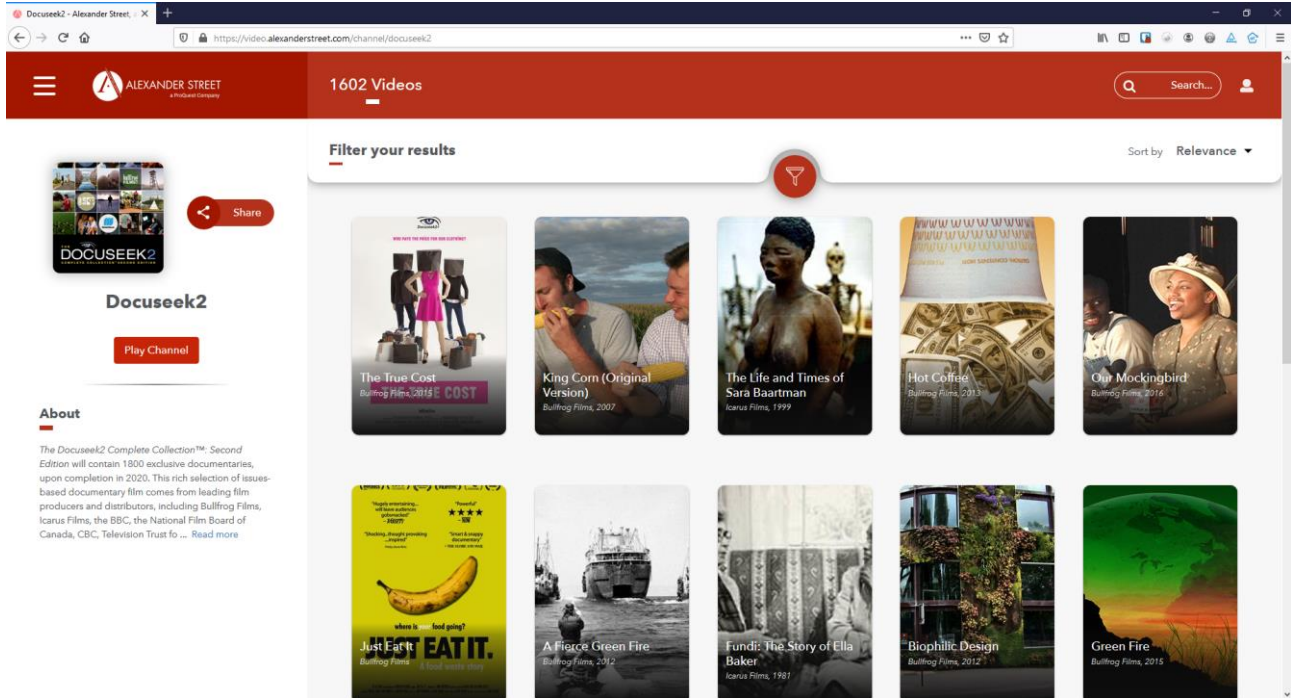
Additional manual findings using NVDA screen reader

1. **SC 2.1.2** – The search options when closed using the close button keep the keyboard focus on the search field. Pressing tab will re-open the search options. The user can only bypass the search if they tab out of the search.
2. **SC 3.2.1** – The search dialog opens on focusing the field.
3. **SC 2.4.3** – The focus is not trapped in the modals or dialogs. The user can tab out of them and close when the focus should stay in it unless the modal is dismissed by the user.

1. DocuSeek2 Landing Page

Source: <https://video.alexanderstreet.com/channel/docuseek2>

Test case: Test initial interface/landing page to ensure menus, search box, main section of film images (including “see details”), images, icons, sort by, etc. are accessible.



Additional manual findings using NVDA screen reader

1. **SC 2.4.1** – Skip to main content moves the screen down but keyboard focus stays on the skip link.
2. **SC 1.4.3** – Film title names on image backgrounds can fail the required contrast ratio of 4.5:1 as uses white text on a close to white background.

2. DocuSeek2 Filter Music Results

Source: <https://video.alexanderstreet.com/channel/docuseek2?q=music>

Test case: Test results page, including Filter options. For Filters, do two filters: year range 1990-2000 and then “documentary”. Select a film – test for accessibility.

The screenshot shows the DocuSeek2 website interface. The top navigation bar is dark red with the Alexander Street logo and '1228 Videos' count. A search bar contains the word 'music'. Below the navigation, there's a 'Filter your results' section with several filter panels: Subject, Publisher, Person, Content Type, Language, and Release Date. The Subject panel lists categories like Children (3), Gender identity (2), African-Americans (1), Athletes (1), and Autism spectrum disorder (1). The Publisher panel lists Bullfrog Films (585), Icarus Films (380), Fanlight Productions (88), National Film Board of Canada (70), and MediaStorm (43). The Person panel lists Fred Fountain (4), Ben Achtenberg (2), Bernard George (2), Christine Mitchell (2), and Eva Wunderman (2). The Content Type panel lists Documentary (819), Instructional material (3), and Interview (1). The Language panel lists English (879), French (104), Spanish (65), German (24), and Arabic (20). The Release Date panel shows a range from 1959 to 2019 with a slider. A red 'X' icon is visible in the bottom right of the filter area.

Automated findings using Axe

1. **SC 1.3.1** – Certain ARIA roles must be contained by particular parent elements.
2. **SC 4.1.2** - ARIA attributes must conform to valid values.
3. **SC 4.1.2** - Buttons must have discernible text.
4. **SC 4.1.1** - IDs of active elements must be unique.

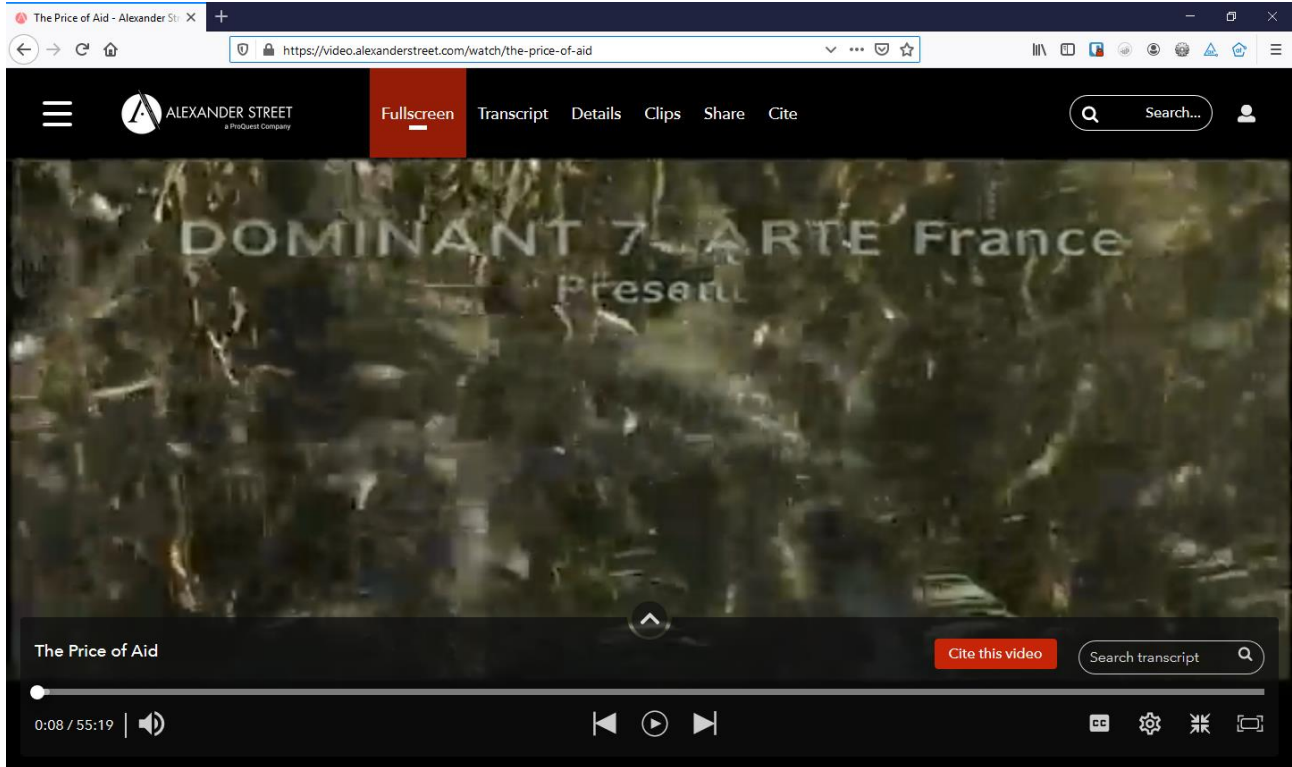
Additional manual findings using NVDA screen reader

1. **SC 2.4.3** – The close button is focused before the filter fields.
2. **SC 1.3.1** – The list of options is not grouped with the visual label.

3. The Price of Aid Video

Source: <https://video.alexanderstreet.com/watch/the-price-of-aid>

Test case: From video player, are the top menu options (full screen, transcript, details, etc.) accessible?



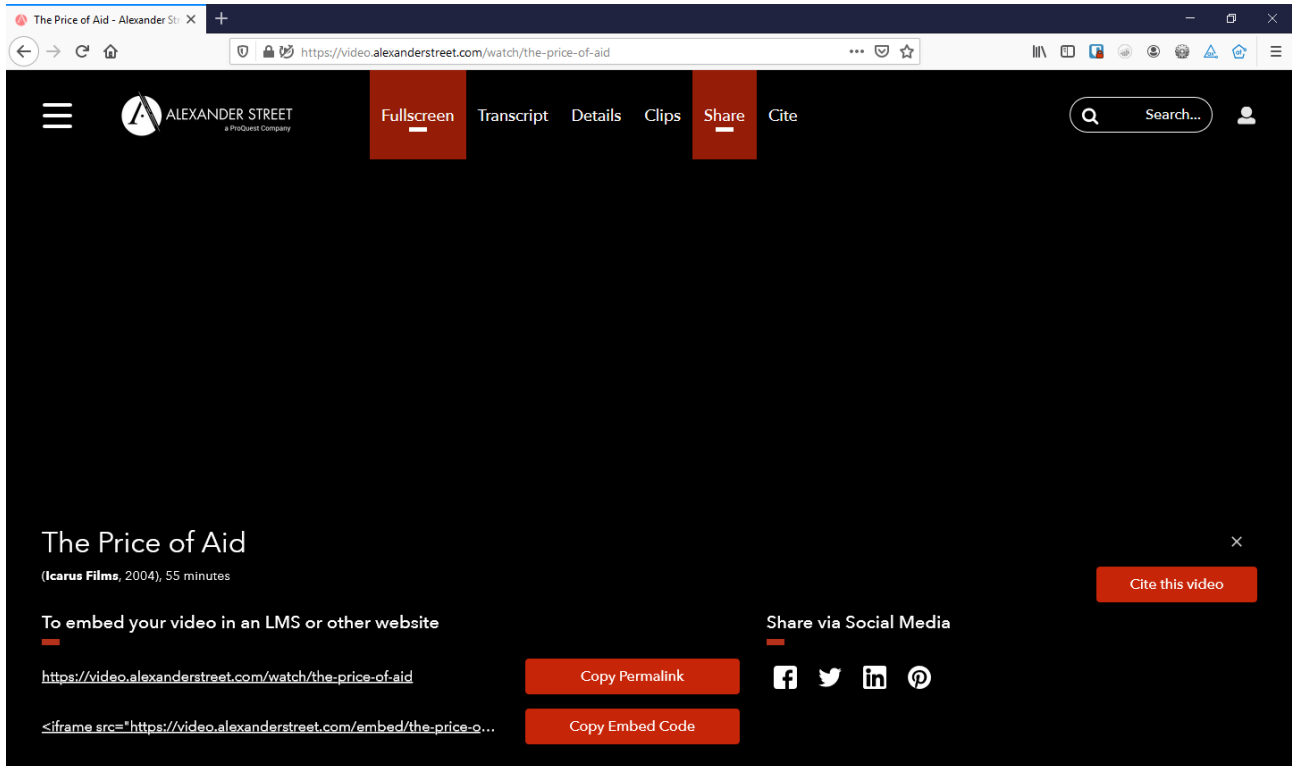
Automated findings using Axe

1. **SC 4.1.2** – ARIA attributes must conform to valid values.
2. **SC 4.1.2** - Buttons must have discernible text.
3. **SC 1.3.1** - Form <input> elements must have labels.

4. Share the Price of Aid Video

Source: <https://video.alexanderstreet.com/watch/the-price-of-aid>

Test case: From the Share menu option, click “embed” / is embed feature accessible?



Automated findings using Axe

1. **SC 4.1.2** – ARIA attributes must conform to valid values.
2. **SC 4.1.2** - Buttons must have discernible text.
3. **SC 4.1.2** - aria-hidden elements do not contain focusable elements.