

# High-level accessibility review – LAA (Casalini Torrossa Platform)

## Primary Point of Contact

John Truong  
Project Manager

Deque Systems, Inc.

Web: [www.deque.com](http://www.deque.com)

Email: [john.truong@deque.com](mailto:john.truong@deque.com)

**June 30, 2023**



# High-level accessibility review – LAA (Casalini Torrossa Platform)

## Contents

Summary.....	3
Top 3 problems for the Casalini Torrossa Platform .....	3
Accessibility findings.....	3
Project wide issues.....	3
1. Landing Page .....	4
2. Search Results .....	5
3. Search Item Details .....	6
4. Read Online Viewer.....	7
5. Advanced Search.....	8

# Casalini Torrossa Platform

## Summary

### Top 3 problems for the Casalini Torrossa Platform

This high-level assessment covers limited portions and functionality of the Casalini Torrossa Platform. The assessment revealed issues with assistive technology compatibility, resulting in some users missing information required to perceive and understand content, and to 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. **Contrast** – A small handful of contrast issues exist on text and icon-type content, however this small number of instances are found throughout the site.
2. **ARIA** – Some errors in the use of ARIA functionality will result in issues with Assistive Tech being able to benefit from the usage of ARIA.
3. **Programmatic Names** – A handful of issues exist where programmatic names for controls are duplicated without any programmatic context to assist users in identifying the unique purpose for controls. These handful of issues are repeated multiple times on the pages where they occur.

### 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 Chrome, Firefox and Edge. Details here: <https://www.deque.com/products/axe/>.

1. **SC 1.4.3 AA** – The ‘Accept’ button in the Cookie consent dialog is low in contrast. A contrast ratio of 2.28:1 was observed where a minimum 4.5:1 ratio is required.

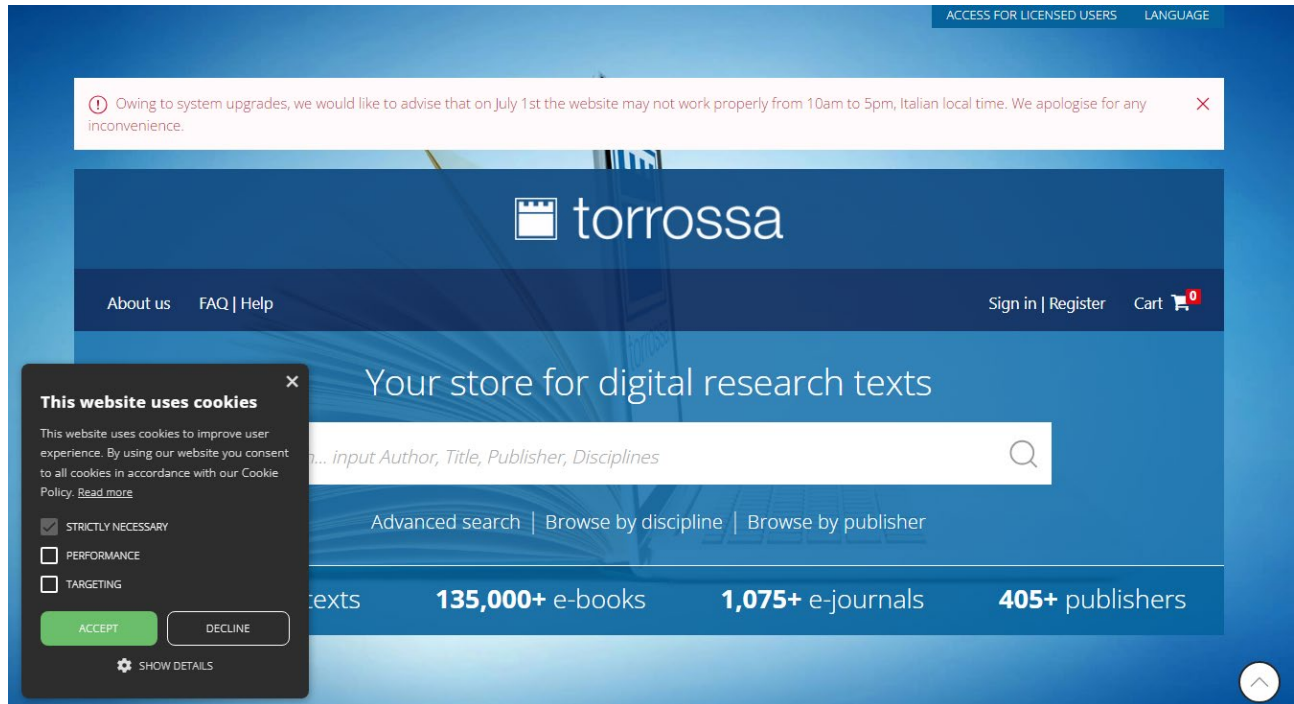
#### Additional manual findings using NVDA screen reader

1. **SC 1.4.11 AA** – The focus indicator for ‘Performance’ and ‘Targeting’ checkboxes in the Cookie Consent dialog is low in contrast when the affected controls receive focus. A contrast ratio of 1.48:1 was observed where a minimum 3:1 ratio is required.
2. **SC 1.1.1 A** – The alternative description for the SSL image in the footer does not include details on the PayPal, Visa and Mastercard options that are found in the image
3. **SC 1.4.3 AA** – The placeholder text “Search... input Author, Title, Publisher, Disciplines” is low in contrast. A contrast ratio of 2.32:1 was observed where a minimum 3:1 ratio is required for this text size.
4. **SC 1.4.11 AA** – The magnifying glass icon that indicates the field is a search input is low in contrast. A contrast ratio of 2.85:1 was observed where a minimum 3:1 ratio is required for this icon.
5. **SC 4.1.2 A** – The ‘Access for Licensed Users’ control inappropriately uses aria-expanded. A user may choose to expand/collapse what they believe is an accordion-type control but instead they will activate the control’s primary function, which is to go back to the homepage. Consider using a specific tooltip-pattern approach for the tooltip functionality instead.

## 1. Landing Page

**Source:** <https://www-torrossa-com.proxy.lib.umich.edu/en/>

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



### Automated findings using Axe

**No automated issues found**

### Additional manual findings using NVDA screen reader

1. **SC 2.4.6 AA** – When the alert notification and the Cookie Consent dialog are both open, there are two instances of the 'Close' button without additional context in either label to distinguish the unique purpose of one control from the other. Additionally, when the Search input combobox is open, there is a third button labelled 'Close', also missing additional programmatic context.

## 2. Search Results

**Source:** [https://www-torrossa-com.proxy.lib.umich.edu/en/search/?qt=any\\_keyword\\_search&q=Valentina%20Orioli&rows=50&sort=pub\\_date\\_sort%20desc&fq\[\]=bibliographic\\_level:m](https://www-torrossa-com.proxy.lib.umich.edu/en/search/?qt=any_keyword_search&q=Valentina%20Orioli&rows=50&sort=pub_date_sort%20desc&fq[]=bibliographic_level:m)

**Test case:** From the initial interface, perform a search for: “Valentina Orioli.” Test results page, including Filter and sort by options. Filter by Content Type = E-book. Sort by Year of Publication.”

**Test case:** From the initial interface, perform a search for: “Valentina Orioli.” Test results page, including Filter and sort by options. Filter by Content Type = E-book. Sort by Year of Publication.”

The screenshot shows the Torrossa Online Digital Bookstore search results page. The search term is 'Valentina Orioli'. The results are filtered by 'E-book' and sorted by 'Year of publication'. The page displays two search results:

- Result 1:** 'Praticare l'urbanistica : traiettorie tra innovazione sociale e pianificazione' by Orioli, Valentina | Massari, Martina. Published in 2023 by Franco Angeli. It is a PDF document.
- Result 2:** 'Defensive architecture of the mediterranean : vol. XIII' edited by Revilacqua, Marco Giorgio and Olivieri, Denise. Published in 2023 by Pisa University Press. It is a PDF document.

The interface includes a search bar, filters for content type and language, and a 'Year of publication' dropdown menu. There are also navigation buttons like 'Workspace', 'Quote', 'Show Keyword in Context', 'Download', and 'View Online'.

**Automated findings using Axe**  
No automated issues found

### Additional manual findings using NVDA screen reader

1. **SC 1.4.11 AA** – The ‘X’ (remove) icon that indicates a filter to remove is low in contrast. A contrast ratio of 2.46:1 was observed where a minimum 3:1 ratio is required for this icon.
2. **SC 1.4.4 AA** – The entire left hand column with filter functionality is unavailable at a 200% zoom. I did note the existence of a ‘Filter by’ control, but this control is not keyboard-operable.
3. **SC 4.1.3 AA** – The ‘loading’ status message (shown by way of an icon / spinner) is not automatically announced by Assistive Technology.
4. **SC 3.3.2 A** – The ‘Sort by’ and ‘Number of results per page’ combobox inputs are missing a visual label that indicates the purpose of the controls.
5. **SC 2.4.6 AA** – The ‘Select to reverse the order of the results’ label is not descriptive for the purpose of the ‘Sort by’ combobox input.
6. **SC 3.1.2 AA** – The page contains many instances of content that is not in the same language as the main body of the page. These changes in language are not programmatically defined.
7. **SC 4.1.2 A** – The ‘current page / item’ state of the current page in the search results is visually indicated but not programmatically available.
8. **SC 2.4.6 AA** – There are multiple instances of the “Workspace”, “Quote”, “Show Keyword in Context”, “Download”, “View Online” and “Add to cart” buttons without additional programmatic context that will clearly describe the unique purpose of the similarly named controls.

### 3. Search Item Details

**Source:** [https://www-torrossa-com.proxy.lib.umich.edu/en/resources/an/5472197?fq\[\]=bibliographic\\_level%3A&qt=any\\_keyword\\_search&q=Valentina+Orioli&rows=50&sort=pub\\_date\\_sort+desc&start=0&page=0&publisher\\_code=FM0520&type=Search&itemnumber=2&rows\\_original=50&uri\\_original=%2Fen%2Fsearch%2F](https://www-torrossa-com.proxy.lib.umich.edu/en/resources/an/5472197?fq[]=bibliographic_level%3A&qt=any_keyword_search&q=Valentina+Orioli&rows=50&sort=pub_date_sort+desc&start=0&page=0&publisher_code=FM0520&type=Search&itemnumber=2&rows_original=50&uri_original=%2Fen%2Fsearch%2F)

**Test case:** Select “Immaginare l'altrove nell'epoca dell'Antropocene”– test individual landing page of the e-book. Test the Table of Contents on the left side of the page. Expand the Information menu near the bottom of the page by selecting the “+” sign.

The screenshot shows the Torrossa Online Digital Bookstore interface. At the top, there is a navigation bar with the Torrossa logo and the text "torrossa Online Digital Bookstore". To the right, there are links for "ACCESS FOR LICENSED USERS" and "LANGUAGE". Below the navigation bar, there is a search bar with the placeholder text "Search... input Author, Title, Publisher, Disciplines" and a magnifying glass icon. To the right of the search bar, there are links for "Advanced search", "Browse by discipline", and "Browse by publisher". Below the search bar, there is a breadcrumb trail: "Franco Angeli" > "Cappi, Valentina". To the right of the breadcrumb trail, there are links for "Previous", "Results 3 of 221", and "Next". The main content area shows the details for the e-book "Immaginare l'altrove nell'epoca dell'Antropocene : media, confini e cambiamenti climatici" by Cappi, Valentina, published in 2023 by Franco Angeli. The book is 146 pages long and is available as a digital version. Below the book details, there are icons for "WORKSPACE", "QUOTE", "DOWNLOAD", and "VIEW ONLINE". At the bottom of the page, there is an "INFORMATION" menu with a plus sign icon.

**Automated findings using Axe**  
**No automated issues found**

#### Additional manual findings using NVDA screen reader

1. **SC 3.1.2 AA** – The page contains many instances of content that is not in the same language as the main body of the page. These changes in language are not programmatically defined.
2. **SC 4.1.2 A** – The ‘back to previous’ link inappropriately uses aria-expanded. A user may choose to expand/collapse what they believe is an accordion-type control but instead they will activate the control’s primary function, which is to go back to the search results. Consider using a specific tooltip-pattern approach for the tooltip functionality instead.
3. **SC 1.3.2 A** – The reading order of the PDF content is not logical, the chapter and section names read first, and the page numbers that are visually associated with this content is read afterward. This breaks the relationship between the two sets of information and results in a confusing experience for the user.
4. **PDF/UA** – The Table of Contents PDF is not tagged for accessibility nor is it PDF/UA compliant.
5. **NOTE:** The PDF viewer UI was not tested, as it is a native Chrome UI and the site owner would not have any reasonable control over fixing any accessibility issues with the viewer interface ONLY, if any exist.

#### 4. Read Online Viewer

Source: <https://www-torrossa-com.proxy.lib.umich.edu/en/catalog/preview/5472197>

Test case: Click the View Online link and quickly test the PDF in the ebook reader.



**Automated findings using Axe**

**No automated issues found**

**Additional manual findings using NVDA screen reader**

Not completed due to insufficient time.

## 5. Advanced Search

Source: <https://www-torrossa-com.proxy.lib.umich.edu/en/search/advanced>

Test case: Test the Advanced Search link

torrossa Online Digital Bookstore

ACCESS FOR LICENSED USERS LANGUAGE

home About us FAQ|help Sign in|Register Cart

Search... input Author, Title, Publisher, Disciplines

Advanced search | Browse by discipline | Browse by publisher

### Advanced search

Title		Word	And	×
Publisher		Word	And	×
Author		Word	And	×

+ Add a search field

SEARCH

#### LC Classification

- Language and Literature (30735)
- Social Sciences (24131)
- Philosophy, Psychology, Religion (16754)
- World History (12214)
- Law (12119)
- Political Science (8972)

#### Dewey Classification

- Social sciences (68814)
- Literature (32574)
- History, geography and biography (25455)
- The arts (17662)
- Technology (Applied sciences) (12978)
- Philosophy and psychology (12751)

#### Language

- Italian (366862)
- Spanish (71590)
- English (68803)
- French (67374)
- German (4182)
- Catalan (2794)

### Automated findings using Axe

1. **SC 4.1.2 A** – All checkboxes inappropriately make use of the aria-expanded attribute, because it is not allowed on the <label> element.

### Additional manual findings using NVDA screen reader

Not completed due to insufficient time.