

Dilex Search Accessibility Conformance Report

WCAG Edition

(Based on VPAT® Version 2.5Rev)

Name of Product/Version: Dilex Search v1.5

Report Date: May 1st, 2026

Product Description:

Dilex Search is a web-based search task management application that provides cognitive accessible and mobile-friendly search features for academic searchers. It enables searchers to create named tasks, execute and refine queries, present search results within the academic library resources, and curate saved resources into a personal workspace for later review and export.

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Evaluation Methods Used:

This evaluation was conducted following the W3C Website Accessibility Conformance Evaluation Methodology (WCAG-EM) 1.0, adapted for WCAG 2.2. All four pages were evaluated exhaustively using automated scanning using axe-core and WAVE (Web Accessibility Evaluation Tool) chrome extension, manual keyboard navigation, color contrast verification (WCAG Color Checker Chrome extension), target size measurement, and direct source code review. ARIA semantics and accessibility tree structure were analysed via axe-core and chrome desktop browser developer tools.

Physical mobile device testing was conducted on iOS (Safari and Chrome) and Android (Chrome) across all four pages.

Screen reader testing was conducted using VoiceOver on macOS across all four pages.

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes) Level AA (Yes) Level AAA (Yes)
Web Content Accessibility Guidelines 2.1	Level A (Yes) Level AA (Yes) Level AAA (Yes)
Web Content Accessibility Guidelines 2.2	Level A (Yes) Level AA (Yes) Level AAA (Yes)

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Tested Pages

- Task List
- Task Detail
- Search
- Workspace

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports:** The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.

- **Partially Supports:** Some functionality of the product does not meet the criterion.
- **Does Not Support:** The majority of product functionality does not meet the criterion.
- **Not Applicable:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can only be used in WCAG Level AAA criteria.

WCAG 2.2 Report

Note: When reporting on conformance with the WCAG 2.2 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.1 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Supports	All meaningful non-text content has a programmatic text alternative. Timeline visualisations on the Task List and Task Detail pages include the attribute role="img" with a dynamic aria-label describing session count, recency, dot-size encoding (query count), and dot-colour encoding (relative recency). All icon-only interactive controls: navigation buttons (back, search, filter, workspace, citation trail), and action buttons (save/remove document, remove highlight), have explicit aria-label values. Decorative images, including document thumbnails and legend icons, use alt="" or aria-hidden="true". The brand logo uses alt="Dilex Search home".
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Not Applicable	Prerecorded audio-only or video content are not present
1.2.2 Captions (Prerecorded) (Level A)	Not Applicable	Prerecorded videos are not present
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Not Applicable	Prerecorded videos are not present
1.3.1 Info and Relationships (Level A)	Supports	Structural and relational information conveyed visually is also programmatically determinable. All four pages expose a role="main" attribute, enabling screen-reader landmark navigation and supporting the skip-to-content control. The 4-segment page-progress bar conveys current page position visually and is hidden from assistive technologies via aria-hidden="true". Session history data tables on the Task Detail page use <caption>, <thead>, and scope attributes to associate headers with data cells. Filter group panels use role="region" with aria-labelledby. Form controls have associated <label> elements. The "Apply Filter" label within the filter sidebar is a presentational carrying no structural heading

Criteria	Conformance Level	Remarks and Explanations
		<p>semantics. Modal dialogs reference their titles via aria-labelledby attributes.</p>
<p>1.3.2 Meaningful Sequence (Level A)</p>	<p>Supports</p>	<p>The reading sequence of content in the programmatically determined DOM order matches the meaningful visual sequence on all four pages. CSS positioning is limited to sticky (which preserves document flow) and minor relative pixel offsets on decorative elements. No layout tables are used; the single data table (session query history) has its content arranged correctly and in a logical order maintaining meaningful sequence when conveyed through linear reading. Multi-column layouts (search results + filter sidebar) place the primary content column first in the DOM, consistent with its visual prominence. Content that is conditionally shown/hidden (mobile filter panel vs. results) is never simultaneously present in the reading sequence.</p>
<p>1.3.3 Sensory Characteristics (Level A)</p>	<p>Supports</p>	<p>All instructions for understanding and operating the application identify controls and content by name. No instruction relies solely on sensory characteristics such as shape, colour, size, visual location, or sound. Interactive controls across all four pages (Task List, Task Detail, Search, Workspace) are labelled with descriptive text accessible independent of visual presentation.</p>
<p>1.4.1 Use of Color (Level A)</p>	<p>Supports</p>	<p>Color is not used as the only visual means of conveying information across any of the four pages. The session timeline charts encode documents saved using a color lightness gradient supplemented by a visible legend whose three sample circles show a distinct light-to-dark luminance progression, conveying scale direction without relying on hue. Filter selected states use shape change (solid vs outline icon) in addition to</p>

Criteria	Conformance Level	Remarks and Explanations
		color. Focused result card states use border weight and shadow in addition to color.
1.4.2 Audio Control (Level A)	Not Applicable	No audio plays automatically on any page of the application. The application contains no <audio> or <video> elements, no Web Audio API usage, and no third-party media libraries.
2.1.1 Keyboard (Level A)	Supports	All functionality across the four pages (Task List, Task Detail, Search Results, Workspace) is operable via keyboard. Native HTML form controls, buttons, and links are used throughout. Custom interactive elements, facet highlight chips and "View More" controls, are implemented with role="button", tabindex="0", and both keydown.enter and keydown.space handlers. Filter include, exclude, and remove controls in the filter sidebar are native <button> elements and are fully keyboard accessible.
2.1.2 No Keyboard Trap (Level A)	Supports	Keyboard focus is never trapped on any page. All modal dialogs are implemented using Bootstrap 4, which natively manages focus containment within open dialogs and dismisses them via the Escape key without requiring any additional mechanism. Scrollable regions with tabindex="0" allow Tab to exit normally. No data-keyboard="false" or static backdrop configurations that would suppress Escape are present.
2.1.4 Character Key Shortcuts (Level A 2.1 and 2.2)	Not Applicable	No keyboard shortcuts using only printable character keys (letters, numbers, punctuation, symbols) are implemented in the application. All keyboard interactions use exclusively non-printable keys: Enter, Space, and Escape.
2.2.1 Timing Adjustable (Level A)	Not Applicable	The application does not set any time limits on user tasks.
2.2.2 Pause, Stop, Hide (Level A)	Not Applicable	The application contains no moving, blinking, scrolling, or auto-updating content that would trigger the requirements of this criterion:

Criteria	Conformance Level	Remarks and Explanations
		<ul style="list-style-type: none"> • Loading spinners (fa-spin) are transient, appearing only while network requests are in progress. They are essential indicators of a loading state and cease automatically when the operation completes. • Facet fly-to animation runs for 300ms on user activation and is suppressed under prefers-reduced-motion: reduce. • Active-session keyframe (active-session-in) runs once for 0.35s, plays forwards, and is suppressed under prefers-reduced-motion: reduce. • CSS transitions throughout are all 0.15s–0.35s, triggered by user interaction, not automatically. • No carousels, tickers, autoplaying media, or indefinite animations are present.
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	The application contains no content that flashes, strobos, or rapidly alternates in luminance or color.
2.4.1 Bypass Blocks (Level A)	Supports	All four application pages (Task List, Task Detail, Search/SERP, Workspace) provide a "Skip to main content" button as a focusable element in the navigation bar. The button is visually hidden off-screen until it receives keyboard focus, at which point it appears as a high-contrast overlay (white text on black). On activation it programmatically moves focus to the first interactive element within the id="main-content" landmark (role="main").
2.4.2 Page Titled (Level A)	Supports	All application views provide descriptive, unique page titles that identify the current page's topic and purpose. Titles are updated dynamically on each route transition using a Title service. The title structure follows a consistent Product : Context : View pattern; Dilex Search : All tasks - for the task list, Dilex Search : <task name> : Search - for the search results view, and

Criteria	Conformance Level	Remarks and Explanations
		Dilex Search : <task name> : Workspace - for the workspace view. The static fallback title in index.html is Dilex Search, which is overridden immediately on application load.
2.4.3 Focus Order (Level A)	Supports	Focus order follows the natural DOM order across all views. No positive tabindex values are used. Custom interactive elements use tabindex="0" or tabindex="-1" appropriately. A skip link appears at the top of every page before repeated navigation content. Modal dialogs return focus to the triggering element on close.
2.4.4 Link Purpose (In Context) (Level A)	Supports	All navigation and content links provide sufficient purpose information. Navigation links use descriptive visible text or aria-label attributes where the link contains only an icon. The Dilex logo link derives its accessible name from the image alt attribute ("Dilex Search home") on all four pages. Document query links in the Task Detail session table use the actual search query string as their link text. Task card stat links use dynamic aria-label attributes that describe the count and resource type (for example, "5 Queries" or "3 Documents Saved"). The "Powered by Dilex Search" footer link includes a visually hidden "(opens in new tab)" notice.
2.5.1 Pointer Gestures (Level A 2.1 and 2.2)	Supports	The application does not implement any multipoint or path-based gestures. All interactive controls are operable via single-pointer activation on the interface (tap or click).
2.5.2 Pointer Cancellation (Level A 2.1 and 2.2)	Supports	All interactive controls use the standard click event for activation, which fires on the up-event, allowing users to cancel accidental activation by moving the pointer away before releasing. No functionality is bound to down-events.

Criteria	Conformance Level	Remarks and Explanations
2.5.3 Label in Name (Level A 2.1 and 2.2)	Supports	All interactive controls with visible text labels have accessible names that contain that visible text. Icon-only controls use aria-label in place of visible text and are not subject to this criterion. The Apply Filter button's accessible name contains its visible action label. The guided tour button's accessible name begins with its visible label "Interactive Help" with more information about the button after it.
2.5.4 Motion Actuation (Level A 2.1 and 2.2)	Not Applicable	The application does not use device motion or orientation sensors. No device motion, device orientation, accelerometer, or gyroscope events are implemented anywhere in the application.
3.1.1 Language of Page (Level A)	Supports	The <html> element in index.html carries lang="en", which correctly identifies English as the default language of the page for all user agents and assistive technologies.
3.2.1 On Focus (Level A)	Supports	No user interface component initiates a change of context when receiving focus. The application contains no focus event handlers. All context changes (navigation, form submission, modal opening) are triggered exclusively by explicit user activation via click or keyboard action.
3.2.2 On Input (Level A)	Supports	No user interface component causes a change of context when its value is changed. Match Type and Query Type selects in the filter sidebar on the Search page update filter-type state only. Date range inputs trigger a debounced search update after 1.7 seconds, which updates results in place without navigating away or moving focus. Checkboxes update local preferences. All form submissions require explicit activation of a submit button.
3.2.6 Consistent Help (Level A 2.2 only)	Not Applicable	The application does not provide any help mechanisms as defined by this criterion. No human contact details, contact forms, self-help pages, or automated contact

Criteria	Conformance Level	Remarks and Explanations
		mechanisms are present on any page within the application.
3.3.1 Error Identification (Level A)	Supports	Where input errors are automatically detected, errors are identified and described to users in text. Authentication failures are presented in a role="alert" container with a plain-text description.
3.3.2 Labels or Instructions (Level A)	Supports	All form inputs have labels or instructions identifying their purpose. Search fields use visible or visually-hidden <label> elements. Year range, select, and checkbox controls use <label for> associations. Keyword highlight checkboxes are labelled with the visible term text.
3.3.7 Redundant Entry (Level A 2.2 only)	Supports	The application does not contain multi-step processes that require users to re-enter previously provided information. All forms are based on single-step interactions.
4.1.1 Parsing (Level A) WCAG 2.0 and 2.1 – Always answer ‘Supports’ WCAG 2.2 (obsolete and removed) - Does not apply	Supports	For WCAG 2.0 and 2.1, the September 2023 errata update indicates this criterion is always supported. See the WCAG 2.0 Editorial Errata and the WCAG 2.1 Editorial Errata .
4.1.2 Name, Role, Value (Level A)	Supports	Standard HTML controls are used according to specification. Custom interactive components expose roles via WAI-ARIA (role="button", role="dialog"), states via aria-expanded, aria-pressed, and aria-controls, and names via aria-label or text content. Icon-only buttons carry descriptive aria-label values with decorative icons marked aria-hidden="true". Modal dialogs use role="dialog" with aria-labelledby referencing the dialog heading. The exception applies to page facet toggle buttons, whose accessible names are truncated for long facet text.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not Applicable	The application contains no live synchronized media
1.2.5 Audio Description (Prerecorded) (Level AA)	Not Applicable	The application contains no prerecorded synchronized media
1.3.4 Orientation (Level AA 2.1 and 2.2)	Supports	No orientation restrictions are applied; the application responds to both portrait and landscape orientations.
1.3.5 Identify Input Purpose (Level AA 2.1 and 2.2)	Not Applicable	No input fields in the application collect personal information about the user (such as name, email, or address). All inputs serve application-specific purposes (search queries, task names, date range filters). Authentication is handled by third-party single sign-on platforms which do not require the user to fill any input fields on our interface.
1.4.3 Contrast (Minimum) (Level AA)	Supports	All text and images of text meet the 4.5:1 minimum ratio (3:1 for large text). The application uses a fixed color scheme; the default workspace color (#2B8424) achieves approximately 4.74:1 against white.
1.4.4 Resize text (Level AA)	Supports	The viewport meta does not restrict user scaling. At 200% browser zoom all text, labels, and form controls resize and reflow without loss of content or functionality.
1.4.5 Images of Text (Level AA)	Supports	The application uses CSS-styled HTML text for all informational content. The only static images used (bubble size legend, logo) contain no text, or qualify as logotype exceptions.
1.4.10 Reflow (Level AA 2.1 and 2.2)	Supports	The application uses responsive CSS (flexbox, fluid widths, Bootstrap breakpoints) with explicit breakpoints at 767px, 600px, 399px, and 349px. At 320px the multi-column search layout collapses to a single scrollable column with the filter sidebar accessible via a toggle. All text and controls reflow without horizontal scrolling or loss of content.

Criteria	Conformance Level	Remarks and Explanations
1.4.11 Non-text Contrast (Level AA 2.1 and 2.2)	Supports	All UI component borders, focus indicators, and graphical objects meet the 3:1 minimum contrast ratio against adjacent colors. The global focus ring (#D96E00) also passes the minimum contrast ratio against light backgrounds, and all form control borders meet the threshold. Icon-only buttons are identified by their icon content rather than a border boundary.
1.4.12 Text Spacing (Level AA 2.1 and 2.2)	Supports	No loss of content or functionality occurs when line height, letter spacing, word spacing, and paragraph spacing are overridden to the specified minimum values for this success criteria. Containers use flexible heights, scrollable overflow, or overflow: clip with margin buffers. No fixed-height regions clip text content.
1.4.13 Content on Hover or Focus (Level AA 2.1 and 2.2)	Supports	The application uses only native HTML title attributes for supplementary hover content, which are browser-controlled and exempt under the SC exception. No custom author-controlled tooltips, sub-menus, or non-modal popups are triggered on hover or focus.
2.4.5 Multiple Ways (Level AA)	Supports	The Task List is the application entry point, reachable via the home logo on all pages. Task Detail is reachable from the task list and from navigation links on the Search and Workspace pages. Workspace is reachable from the Task List, Task Detail and the Search page. Search result pages are the result of a user-initiated search process and are exempt from this criterion.
2.4.6 Headings and Labels (Level AA)	Supports	All pages have descriptive h1 headings that include the page context and task name (e.g., "Search: Health and Exercise"). Section headings clearly describe their content. Form controls have descriptive visible or programmatic labels.
2.4.7 Focus Visible (Level AA)	Supports	All keyboard-focusable elements display a visible 2px solid focus indicator using :focus-visible. The :focus and

Criteria	Conformance Level	Remarks and Explanations
		:focus-visible split is used correctly to suppress the indicator only on mouse click while preserving it for keyboard navigation.
2.4.11 Focus Not Obscured (Minimum) (Level AA 2.2 only)	Supports	No viewport-level sticky or fixed headers, footers, or banners are present. Sticky elements are scoped within scrollable containers and do not obscure focused elements in the main content. Modal dialogs correctly trap focus and do not allow focus to exit into obscured content.
2.5.7 Dragging Movements (Level AA 2.2 only)	Not Applicable	The application contains no functionality that requires a dragging movement. There are no sortable lists, drag-and-drop interactions, range sliders, or other drag-dependent controls.
2.5.8 Target Size (Minimum) (Level AA 2.2 only)	Supports	All interactive controls meet the 24x24 CSS pixel minimum target size. Filter badge action buttons, keyword highlight chip delete buttons, and the task card menu button are explicitly sized to 24x24 pixels. Inline text links in the footer pass via the inline exception.
3.1.2 Language of Parts (Level AA)	Supports	All application UI text is English; the default lang="en" on <html> covers all authored content.
3.2.3 Consistent Navigation (Level AA)	Supports	The repeated navigation bar appears on all four pages with the same relative order: back/skip link on the left, logo centred, contextual page links and account menu on the right. No user-initiated reordering is possible.
3.2.4 Consistent Identification (Level AA)	Supports	All repeated controls with the same function carry consistent accessible names across all pages. The logo, skip link, cross-page navigation links, account menu, and doc-card action buttons are all consistently identified. The search form submit button uses slightly different labels where the underlying function is different.

Criteria	Conformance Level	Remarks and Explanations
3.3.3 Error Suggestion (Level AA)	Supports	The three free-text input forms (new task, new search on Task Detail, and search query on Search page) detect empty submission and display an inline role="alert" error message with specific correction guidance ("Please enter a search query / task name"). The aria-invalid attribute is set on the input and cleared when the user begins typing. Rename modals open pre-populated with the existing value; no restricted format applies, so no correction suggestion is required.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Supports	All operations that permanently delete user-controllable data, which are task deletion and document removal from the workspace, require explicit user confirmation via a modal dialog before execution, satisfying the Confirmed condition. The application does not involve legal commitments, financial transactions, or test response submissions.
3.3.8 Accessible Authentication (Minimum) (Level AA 2.2 only)	Supports	The application offers only one authentication path. The SAML SSO path (/login-saml) delegates authentication to the institution's identity provider with no cognitive function test presented by the application itself. No CAPTCHA or puzzle is required at any authentication step. Any new authentication mechanisms will be assessed and verified to ensure accessible authentication methods are provided.
4.1.3 Status Messages (Level AA 2.1 and 2.2)	Supports	All dynamic status messages, including search result counts, loading states, empty states, document removal confirmations, and inline validation errors, are exposed to assistive technologies via role="status", role="alert", or aria-live regions.

Table 3: Success Criteria, Level AAA

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA)	Not Applicable	The application contains no prerecorded synchronized media on any page.
1.2.7 Extended Audio Description (Prerecorded) (Level AAA)	Not Applicable	The application contains no prerecorded synchronized media on any page.
1.2.8 Media Alternative (Prerecorded) (Level AAA)	Not Applicable	The application contains no prerecorded synchronized media or video-only content on any page.
1.2.9 Audio-only (Live) (Level AAA)	Not Applicable	The application contains no live audio-only content on any page.
1.3.6 Identify Purpose (Level AAA 2.1 and 2.2)	Partially Supports	Page regions are identified using ARIA landmarks (role="main", role="navigation", role="region" with aria-labelledby) across all pages. Icons are either hidden from the accessibility tree (aria-hidden="true") or wrapped in controls with descriptive aria-label values. However, the application does not implement WAI-Adapt semantic metadata (such as data-purpose attributes from the COGA Semantics specification) on individual UI components, icons, or regions, which would allow personalisation tools and symbol-based AAC software to substitute terminology and icons familiar to the user.
1.4.6 Contrast (Enhanced) (Level AAA)	Does Not Support	Body text (#212529 on white, 15.43:1) meets the 7:1 AAA threshold. However, several text colour pairings that passed the 1.4.3 AA minimum fall short of the 7:1 AAA requirement for normal-weight, non-large text: the query colour (#1F78B4 on white, 4.77:1), the workspace colour (#2B8424 on white, 4.74:1), Bootstrap utility classes .text-muted (#6c757d on white, 4.69:1), .text-danger (#dc3545 on white, 4.53:1), and .text-success (#198754 on white, 4.53:1). The workspace colour also fails the large-text 4.5:1 threshold when rendered on the 10% tinted

Criteria	Conformance Level	Remarks and Explanations
		background used for highlighted facet areas (approximately 4.29:1).
1.4.7 Low or No Background Audio (Level AAA)	Not Applicable	The application contains no prerecorded audio-only content on any page.
1.4.8 Visual Presentation (Level AAA)	Does Not Support	Requirement 3 (no full justification) and requirement 5 (resize to 200% without horizontal scroll) are satisfied. Requirement 4 (line spacing) is partially satisfied: body line-height is 1.5x but paragraph spacing is 0 and no in-page mechanism exists to adjust it. Requirements 1 and 2 are not met: the application specifies both foreground and background colours extensively throughout CSS with no in-page colour selection mechanism, and main content columns are approximately 113 characters wide at default viewport width with no mechanism to narrow them.
1.4.9 Images of Text (No Exception) (Level AAA)	Supports	All application-authored text is rendered as live CSS-styled HTML. Document thumbnail images sourced from the BrowZine/ThirdIron content delivery service are reproductions of journal covers and fall within the WCAG exception for decorative images as it is a "picture that contains significant other visual content" beyond any text essential to the usability of the interface. They are marked decorative (alt="") and all meaningful information (title, authors, journal, date) is provided as adjacent live text. The Dilex logo is a logotype and is exempt.
2.1.3 Keyboard (No Exception) (Level AAA)	Supports	All functionality confirmed operable via keyboard. No drag-and-drop or other path-dependent interactions are present on any page.
2.2.3 No Timing (Level AAA)	Supports	No time limits of any kind are imposed on users within the pages (Task List, Task Detail, Search, Workspace). All interactions: searching, filtering, renaming, saving, and deleting, remain available indefinitely without timing constraints.

Criteria	Conformance Level	Remarks and Explanations
2.2.4 Interruptions (Level AAA)	Supports	The application contains no automatic content updates, polling loops, server push, or meta refresh on any page. All setTimeout usage is limited to one-shot UI micro-delays for scroll positioning and CSS animation. No unsuppressable interruptions are presented to the user.
2.2.5 Re-authenticating (Level AAA)	Supports	The application contains no multi-step transactions or forms where in-progress data could be lost on session expiry. All user actions (searches, document saves, task renames, deletions) are discrete single operations committed to the server immediately upon completion. UI preference state (filter sidebar visibility) is stored in the browser localStorage and persists independently of session state. A session expiry during an active session redirects to the authentication page; upon re-authentication the user is returned to their task context with all previously committed data intact. No uncommitted data is at risk.
2.2.6 Timeouts (Level AAA 2.1 and 2.2)	Supports	All user-generated data (tasks, saved documents, search sessions, query history) is stored persistently on the server with no time-based expiry. No user data is held only in a transient client-side state that could be lost due to inactivity. A session token expiry causes only a redirect to the authentication page; upon re-authentication all previously committed data is fully available. Because user data is preserved in our database (well beyond the 20-hour threshold), the criterion's condition for requiring an inactivity warning does not apply.
2.3.2 Three Flashes (Level AAA)	Supports	No flashing content of any kind is present on any page. The only animation is the CSS loading spinner (fa-spin), which rotates continuously and does not flash.
2.3.3 Animation from Interactions (Level AAA 2.1 and 2.2)	Supports	CSS @keyframes animations are suppressed by a @media (prefers-reduced-motion: reduce) block in

Criteria	Conformance Level	Remarks and Explanations
		<p>styles.css. The jQuery animateFacet() method in search-page-container.component.ts and workspace.component.ts checks window.matchMedia('(prefers-reduced-motion: reduce)').matches before executing positional animation; when reduced motion is preferred, the destination facet element is made visible immediately and the animation is skipped entirely.</p>
<p>2.4.8 Location (Level AAA)</p>	<p>Supports</p>	<p>Users' location within the application is conveyed through descriptive, hierarchical page titles (e.g. "Dilex Search : Climate change mitigation techniques : Workspace"), the task name displayed as a heading on each page, and contextual back-navigation buttons that identify the parent page by name. A visual 4-step progress indicator at the top of each task page shows position within the Task List / Task Detail / Search / Workspace flow, though this is marked aria-hidden and serves as a visual-only supplement to the title-based location information.</p>
<p>2.4.9 Link Purpose (Link Only) (Level AAA)</p>	<p>Supports</p>	<p>All links have accessible names that describe their purpose without relying on surrounding context. The queryStatAriaLabel and docStatAriaLabel getters in task-card.component.ts now include the task name in the accessible name, producing values of the form "3 Queries for Climate change mitigation techniques" and "5 Documents Saved for Climate change mitigation techniques". A screen reader user navigating by links alone can unambiguously identify which task each stat-block link belongs to. The task name falls back gracefully to the bare count if task.name is empty.</p>
<p>2.4.10 Section Headings (Level AAA)</p>	<p>Supports</p>	<p>All pages use a consistent and complete heading hierarchy. Each page has an h1 via the shared task-page-header component (e.g. "Search: Climate change mitigation techniques"). Major content</p>

Criteria	Conformance Level	Remarks and Explanations
		sections are introduced with h2 headings ("Start a New Task", "Resume a Task", "Session History", "Refine Search Results", "Session of {date}"). Subsections use h3 through h6 as appropriate (active filters, document detail sections, modal titles). No content sections are present without a heading.
2.4.12 Focus Not Obscured (Enhanced) (Level AAA 2.2 only)	Supports	No fixed or sticky elements are present in the main viewport that could partially or fully obscure a focused component. All sticky elements (filter sidebar header, Apply Filter button, workspace facet accordion header) are scoped within their respective scrollable sub-containers and cannot overlap content outside those containers. Modal dialogs are hidden when not active.
2.4.13 Focus Appearance (Level AAA 2.2 only)	Supports	A global 2px solid orange (#D96E00) outline with outline-offset: 2px is applied to all keyboard-focusable elements via :focus-visible. The indicator area meets the minimum 2px perimeter requirement. Change-of-contrast between unfocused (white or near-white background) and focused pixels is approximately 3.17:1 to 3.40:1, surpassing the 3:1 minimum. Accordion section toggles and facet toggles use an equivalent inset 2px box-shadow (directly at the inner border edge, equivalent to a CSS border) where offset outlines would be clipped. All outline: 0 on :focus rules are paired with correct :focus-visible rules, preserving keyboard focus visibility.
2.5.5 Target Size (Level AAA 2.1 and 2.2)	Does Not Support	The majority of interactive controls across all four pages do not meet the 44x44 CSS pixel minimum. Representative failures include navigation icon links (30-32x31px), the Account menu button (33x32px), Search and Toggle filters buttons (32x31px), Task menu buttons (24x24px), Workspace export button (32x32px), keyword highlight badge buttons (24px tall),

Criteria	Conformance Level	Remarks and Explanations
		Remove-highlight buttons (24x24px), Citing/Cited by/Remove from workspace buttons (approximately 32x32px), the Interactive Help button (111x24px), and task title links (25px tall). The footer "Powered by Dilex Search" link is inline within a sentence and is exempt.
2.5.6 Concurrent Input Mechanisms (Level AAA 2.1 and 2.2)	Supports	No page restricts interaction to a single input modality. The application uses standard Angular event bindings (click, keydown) and high-level HTML semantics throughout. All event listeners respond to window:resize (device-agnostic) or click (pointer- and keyboard-equivalent via Enter/Space). Users can freely switch between keyboard, mouse, touchscreen, or any other platform input mechanism at any time.
3.1.3 Unusual Words (Level AAA)	Does Not Support	The application uses domain-specific and application-specific terminology without providing a definition mechanism. Terms without definitions include: "RIS" (a reference management file format acronym, used in the Workspace export control), "Citing" and "Cited by" (bibliometric citation direction terms on document cards, where the title attribute only restates the label), "Citation Trail" (a bibliometric search navigation mode shown in the search bar), "Search As Facet" and "Attach with Query" (application-specific document operations in the Workspace). No dfn elements, abbr elements with title expansions, inline definitions, or linked glossary entries are present for any of these terms.
3.1.4 Abbreviations (Level AAA)	Does Not Support	Two application-authored abbreviations appear without a programmatically determinable expansion. "RIS" appears as the Workspace export label with no expansion anywhere in the UI. "PDF" appears parenthetically in a button title attribute on the Search and Workspace pages but is not wrapped in an abbr element and the visible button label contains no

Criteria	Conformance Level	Remarks and Explanations
		expansion. No abbr or dfn elements exist in any of the page templates.
3.1.5 Reading Level (Level AAA)	Does Not Support	The application's own authored interface text (navigation, headings, button labels, status messages) is at or below lower secondary education level and does not trigger this criterion. However, document cards on the Search and Workspace pages conditionally render doc.snippet; a relevant excerpt drawn from academic paper abstracts and body text. These snippets are advanced academic prose (e.g. "Solar geoengineering is increasingly being considered a realistic approach to managing climate change...") requiring reading ability well above lower secondary level. Document titles and author names are explicitly excluded from the assessment per the criterion, but snippet body text is not. No supplemental simplified version of these passages is provided anywhere in the application.
3.1.6 Pronunciation (Level AAA)	Supports	All application-authored interface text is in English and contains no words whose meaning is ambiguous without knowing their pronunciation. Document titles and relevance snippets rendered from the search index are also in English; sentence context in academic prose resolves any potential heteronyms. No multi-script content requiring phonetic annotation (such as Japanese ruby text) appears anywhere in the application. The condition that triggers this criterion does not arise on any page.
3.2.5 Change on Request (Level AAA)	Supports	All changes of context across the four pages are user-initiated. Programmatic navigation (router.navigate) occurs exclusively within handlers bound to explicit user actions: form submission (new task creation, search submission), button clicks (sign-out, navigation links, citation trail), and

Criteria	Conformance Level	Remarks and Explanations
		<p>authenticated post-sign-in redirects. window.open calls (document full-text view) are bound directly to user click events. No meta refresh, no timer-based redirects, and no (change) event on a <select> element triggers navigation. External links that open new tabs are labeled with "(opens in new tab)" text.</p>
<p>3.3.5 Help (Level AAA)</p>	<p>Supports</p>	<p>A page-level "Interactive Help" button is present in the footer on all four pages, launching a Driver.js guided tour with page-keyed steps covering each major control. The tour button is a keyboard-accessible <button> with a descriptive aria-label.</p> <p>Context-sensitive help is additionally available at the point of input: the task creation input, the search query input, all three publication year range input groups (desktop sidebar, mobile sidebar, and modal filter), the Match Type select, and the Query Type select all carry aria-describedby attributes pointing to visually-hidden hint elements. Screen readers announce these hints on focus without any visual layout change. Users no longer need to traverse the full sequential tour to obtain guidance for a specific field.</p>
<p>3.3.6 Error Prevention (All) (Level AAA)</p>	<p>Supports</p>	<p>All form submissions on the four pages satisfy at least one of the SC 3.3.6 conditions. Search query submission is validated against empty input and carries no irreversible consequence. Task creation is validated and reversible via task deletion (which uses a confirmation modal window). Task rename is reversible by renaming again. Filter application is reversible by deselecting. Saving a document to the workspace is reversible via the "Remove from workspace" action, which presents a confirmation modal before finalising.</p>

Criteria	Conformance Level	Remarks and Explanations
3.3.9 Accessible Authentication (Enhanced) (Level AAA 2.2 only)	Supports	Third-party authentication via SAML is available as the only authentication option. The authentication flow does not use any cognitive function test that would be affected by the additional restrictions in 3.3.9 relative to 3.3.8. No CAPTCHA, object recognition, or user-provided image/media selection is present at any authentication step.

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