Rozz Accessibility Conformance Report Revised Section 508 Edition

(Based on VPAT® Version 2.5)

Name of Product/Version: Rozz / Version 1

Report Date: 03/22/2024

Product Description: AI-powered search box for websites

Contact Information: Adrien Schmidt, adrien@rozz.site

Notes:

Evaluation Methods Used:

1. **Automated testing:** we used Lighthouse to scan the product for common accessibility issues like incorrect use of HTML elements, and color contrast problems.

2. **Manual Testing:** we conducted a thorough manual review of the product to identify accessibility issues. This included testing with keyboard navigation, checking for proper semantic markup, changing the font sizes and screen zoom and ensuring that all interactive elements are accessible.

3. **Assistive Technology Testing:** we tested the product with the VoiceOver screen reader, Colorblindly and WebAIM to ensure that it is usable for people with different disabilities.

4. **What is missing:** we acknowledge that we have not involved users with disabilities in the testing process to get direct feedback on the accessibility and usability of the product. Also, we have not had accessibility experts review the product to provide guidance on best practices and to help interpret the results of automated and manual tests. We plan to remedy these missing evaluations as soon as we can.

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 (No)
Web Content Accessibility Guidelines 2.1	Level A (Yes) Level AA (Yes) Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)

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.x Report

Tables 1 and 2 document conformance with EN 301 549:

- Chapter 9 - Web
- Sections 10.1-10.4 of Chapter 10 - Non-Web documents
- Sections 11.1- 11.4 and 11.8.2 of Chapter 11 - Software (open and closed functionality)
- Sections 12.1.2 and 12.2.4 of Chapter 12 - Documentation

Note: When reporting on conformance with the WCAG 2.x Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Web: Supports	Web: Aria labels, labelledby and roles are set for all of the content and content structures of the searchbox. This includes the naming of the component and its role, as well as the input box, the clear search icon, the search button, the result box and the question/answer groups inside of the result box.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Web: N/A	Web: There is no pre-recorded content in the tool.
1.2.2 Captions (Prerecorded) (Level A)	Web: N/A	Web: There is no pre-recorded content in the tool.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Web: N/A	Web: There is no pre-recorded content in the tool.
1.3.1 Info and Relationships (Level A)	Web: Supports	Web: Supported by the use of Aria labels and labelledby as well as roles and headings in the generated content.
1.3.2 Meaningful Sequence (Level A)	Web: Supports	Web: The meaningful sequence mostly concerns the order of questions and answers. Each group of question/answer is labeled as 'Latest question / Latest answer' and 'Previous question / Previous answer'. Each group has the role of an article. 2 levels of headings and the use of bullet points are used to clarify each part of the content.
1.3.3 Sensory Characteristics (Level A)	Web: Supports	Web: The same elements as above in 1.3.2 apply for sensory characteristics: while the separation of questions and answers is done visually through spacing and color, the labels also delineate each question and answer group and positions them related to each other.

1.4.1 Use of Color (Level A)	Web: Supports	Web: Color is used to indicate if the searchbox is connected to the server. This item has a role set to alert, a label indicating the status connected or disconnected and an aria-live setting set to polite to indicate if it changes.
1.4.2 Audio Control (Level A)	Web: N/A	Web: No audio is played.
2.1.1 Keyboard (Level A)	Web: Supports	Web: All features are available to use via the keyboard. A focus trap is set when the searchbox is open to facilitate keyboard navigation from one element to the other.
2.1.2 No Keyboard Trap (Level A)	Web: Supports	Web: As explained above in 2.1.1, a focus trap is set up when the searchbox is open to make navigation easier. The searchbox itself can be closed at any time using the standard Escape key, releasing the focus to other elements on the page.
2.1.4 Character Key Shortcuts (Level A 2.1 only)	Web: Supports	Web: No single character key shortcuts are implemented. There's a 2-key shortcut (Alt/Option + Arrow) to navigate between question blocks. It is explained in an aria-label.
2.2.1 Timing Adjustable (Level A)	Web: Supports	Web: No time limits are set in the component for user actions. There is a time limit for the system to respond, after which an error message is displayed. Error messages are treated with the aria role "alert" and aria-live "polite".
2.2.2 Pause, Stop, Hide (Level A)	Web: Supports	Web: The auto-updating elements consist in the streaming of the response. During streaming the screen reader announces "receiving response". The user can interrupt the stream at any time by using the 'x' button.
2.3.1 Three Flashes or Below Threshold (Level A)	Web: Supports	Web: There are no flashing elements in the search box.
2.4.1 Bypass Blocks (Level A)	Web: Supports	Web: There are shortcuts to navigate between question blocks. The focus order is consistent with the order of the questions. The question blocks are numbered and mentioned in the aria

		labels. The links provided in the responses have a meaningful title and are clearly marked as "sources".
2.4.2 Page Titled (Level A)	Web: Supports	Web: Rozz doesn't include multiple pages, even if it can be present on multiple pages. The component bears the title "Rozz Searchbox".
2.4.3 Focus Order (Level A)	Web: Supports	Web: The product maintains a logical focus order throughout the interface. Keyboard navigation is supported, and focus order is consistent with the visual layout of the application. When it appears in a modal, a focus trap is set up to avoid inadvertently exiting the search box. The modal can be closed at any step by pressing Escape.
2.4.4 Link Purpose (In Context) (Level A)	Web: Supports	Web: The links appear under a section "sources" in the response. They refer to the pages and documents where the information originated. The link names are meant to be meaningful. The aria label is updated dynamically to indicate whether the link leads to a web page or a PDF document. The link also displays "PDF" or "WEB". The aria label indicates that the links open in a new page.
2.5.1 Pointer Gestures (Level A 2.1 only)	Web: N/A	Web: No pointer gestures are used in the component.
2.5.2 Pointer Cancellation (Level A 2.1 only)	Web: N/A	Web: N/A as explained above.
2.5.3 Label in Name (Level A 2.1 only)	Web: Supports	Web: Rozz includes an \<input\> element of type "text" with an aria-label attribute set to "Rozz Search Input." This provides a programmatically associated label that is accessible to assistive technologies, ensuring that users can understand the purpose of the input field. Rozz also uses placeholder text with full sentences, such as 'How can we help?', 'What questions do you have?', and 'What would you like to know?', to guide users on what to input. While this placeholder text enhances the user experience, the presence of the aria-label

		ensures that the accessibility of the component is maintained even when the placeholder text is not visible.
2.5.4 Motion Actuation (Level A 2.1 only)	Web: N/A	Web: No functionality provided through motion.
3.1.1 Language of Page (Level A)	Web: Partially Supports	Web: Rozz is designed to adapt to the user's language, with placeholder text, error messages, and generated output all dynamically updated based on the language setting of the user's browser and the language of their input. However, the aria-labels used for accessibility purposes are currently not updated to reflect the user's language as they are set in English. We recognize the importance of providing a fully localized experience for all users, including those using assistive technologies. As such, we are actively working to extend the language adaptation feature to include aria-labels, ensuring that screen readers and other assistive technologies can provide information in the user's preferred language.
3.2.1 On Focus (Level A)	Web: Supports	Web: Change of focus initiated by the keyboard does not initiate any change of context. Focusable items are visually highlighted and have associated aria labels.
3.2.2 On Input (Level A)	Web: Supports	Web: Rozz allows users to submit a query either by pressing the Enter key or by clicking a Search button. This ensures that the search action is initiated by the user, aligning with the principle that changing the setting of a user interface component does not automatically cause a change of context. In addition, the links provided in the response open in a new page. They include an aria label with the mention "opens in a new page" to inform the user ahead of time and avoid confusion.
3.3.1 Error Identification (Level A)	Web: Supports	Web: Rozz identifies errors in user input and provides error messages that are accessible to

		all users, including those using assistive technologies. When an error is detected, an error message is displayed in a container with role="alert" and aria-live="polite", ensuring that it is announced to screen reader users. The errors are provided in the language setting of the browser (15 supported languages). The input field associated with the error is linked to the error message using aria-describedby, providing context to screen reader users about which field the error message pertains to.
3.3.2 Labels or Instructions (Level A)	Web: Supports	Web: The input box of the component is labeled with placeholder text and aria labels.
4.1.1 Parsing (Level A)	Supports	For WCAG 2.0, 2.1, and the EN 301 549, 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)	Web: Supports	Web: Rozz is designed to ensure that all user interface components are accessible and properly interpreted by assistive technologies: Name: The input field of the searchbox is provided with an accessible name using the aria-label="Rozz Search Input" attribute. This label is read by screen readers, allowing users to understand the purpose of the input field. Role: The role of the input field is implicitly defined by the HTML <input> element. Assistive technologies recognize this element as a text input field where users can enter their search query. Value: The value of the input field is dynamically updated based on user input. Assistive technologies can convey the current value of the input field to users, allowing them to review and edit their query. Additionally, the searchbox component includes an error message display that uses role="alert" and aria-live="polite" to announce error

		messages to users, further enhancing accessibility.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Web: N/A	Web: No live audio is provided by the component.
1.2.5 Audio Description (Prerecorded) (Level AA)	Web: N/A	Web: No live prerecorded audio is provided by the component, which only displays text.
1.3.4 Orientation (Level AA 2.1 only)	Web: Supports	Web: Rozz has an adaptive width that works regardless of the orientation of the device.
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Web: N/A	Web: Not applicable as Rozz does not currently provide specific input purposes for user input fields that are required for financial transactions, user management, or similar functionalities.
1.4.3 Contrast (Minimum) (Level AA)	Web: Supports	Web: Rozz elements have the following contrast ratios: * Rozz pink for icons and text: 5.79:1 * Placeholder text 8.03:1 * Input text and question blocks: 15.42:1 * Error messages are 5.27:1
1.4.4 Resize text (Level AA)	Web: Supports	Web: Rozz supports text resizing up to 200% without loss of content or functionality, ensuring that users with low vision can enlarge text to improve readability. This is achieved by using relative units like rem or em for text sizes and layout dimensions in CSS.
1.4.5 Images of Text (Level AA)	Web: Supports	Web: Rozz does not use images of text, preferring CSS-styled text to ensure that text remains scalable and accessible to users with visual impairments.

1.4.10 Reflow (Level AA 2.1 only)	Web: Supports	Web: Rozz's layout is responsive and already single column, ensuring that when the viewport is narrowed to 320 CSS pixels, horizontal scrolling is not required to read text or access functionality.
1.4.11 Non-text Contrast (Level AA 2.1 only)	Web: Supports	Web: The Rozz interface components, such as buttons and form fields using the "Rozz pink", have a contrast ratio of 5.79:1.
1.4.12 Text Spacing (Level AA 2.1 only)	Web: Supports	Web: Rozz's CSS styles do not inhibit the user's ability to adjust text spacing settings in their browser or operating system for improved readability.
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Web: Supports	Web: There is one tooltip on the 'connected' indicator. It can be dismissed without moving the pointer or keyboard focus, and remains visible as long as the element remains hovered or focused.
2.4.5 Multiple Ways (Level AA)	Web: N/A	Web: Rozz is not a multi-page application.
2.4.6 Headings and Labels (Level AA)	Web: Supports	Web: Rozz uses clear and descriptive headings and labels for its search box, error messages, question groups and links, aiding users in understanding the content and interface.
2.4.7 Focus Visible (Level AA)	Web: Supports	Web: When navigating Rozz using a keyboard, the currently focused element is clearly highlighted with a visible outline.
3.1.2 Language of Parts (Level AA)	Web: Supports	Web: Rozz dynamically inserts tags in its response to indicate the language of the response.
3.2.3 Consistent Navigation (Level AA)	Web: Supports	Web: Rozz is a single page component. It can be placed on some or all of the client's web pages in various ways, but the navigation within each instance is consistent regardless of its positioning.
3.2.4 Consistent Identification (Level AA)	Web: Supports	Web: The elements of the component are labeled the same way and have a consistent appearance across all Rozz instances. This

		consistency helps users recognize and understand how to interact with the interface.
3.3.3 Error Suggestion (Level AA)	Web: Supports	Web: When an error is detected in user input, such as an invalid query in the search box, Rozz provides suggestions for correcting the error. For example, if a user enters a query that is too long, an error message says, "Your query is too long. Please shorten it and try again." This provides users with clear guidance on how to fix the error and successfully complete their task.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Web: N/A	Web: Rozz does not handle transactions that require this level of error prevention.
4.1.3 Status Messages (Level AA 2.1 only)	Web: Supports	Web: Rozz handles processes that take some time, alert roles are set so that they are announced to screen reader users without requiring focus to move to the message. For example, while streaming the response from the server to inform the user: <div aria-live="assertive" class="visually-hidden">Receiving response...</div>

Revised Section 508 Report

Notes:

Chapter 3: Functional Performance Criteria (FPC)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	Rozz is designed to be compatible with screen readers. It is based on text content and generates text content including if non-textual information is used as the source.
302.2 With Limited Vision	Supports	Rozz supports text resizing and is compatible with screen magnifiers. High-contrast themes and adjustable font sizes are available to accommodate users with limited vision.
302.3 Without Perception of Color	Supports	Rozz does not rely on color alone to convey information, except for the 'connected' icon, which has an aria-live set to polite, an 'alert' role and a dedicated Loading....
302.4 Without Hearing	Supports	Rozz does not rely on audio cues for functionality. All information and interactions are available through visual content, making the application accessible to users without hearing.
302.5 With Limited Hearing	Supports	For the reason explained in 302.4.
302.6 Without Speech	Supports	Rozz can be fully operated without the need for speech input. All functionalities are accessible through keyboard and mouse input.
302.7 With Limited Manipulation	Supports	Rozz is operable with keyboard-only navigation.
302.8 With Limited Reach and Strength	Supports	Rozz's user interface only has 2 actionable buttons located next to each other, and a few clickable links generated in the response.

Criteria	Conformance Level	Remarks and Explanations
		Actions can be performed with minimal physical effort.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	Rozz's interface is streamlined and consistent with widespread search features including Google. It understands numerous languages and spelling mistakes. It can be asked to generate answers in a specific language and in simplified language structures, for example "in the language of a 3rd grader".

Chapter 4: Hardware

Notes: Not applicable. Section removed.

Chapter 5: Software

Notes: Since Rozz conforms to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 as detailed above in this document, the exception for web applications that do not have access to platform accessibility services and do not include components that have access to platform accessibility services applies. Section removed.

Chapter 6: Support Documentation and Services

Notes:

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required

Criteria	Conformance Level	Remarks and Explanations
602.2 Accessibility and Compatibility Features	Does not support	Rozz does not have an online documentation to support users. We plan to address that by letting users ask questions about Rozz in the Rozz input directly and obtain answers in Rozz's accessible response format.
602.3 Electronic Support Documentation	See WCAG 2.x section	See information in WCAG 2.x section
602.4 Alternate Formats for Non-Electronic Support Documentation	Does not support.	Rozz has no non-electronic documentation.
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Does not support	As mentioned above this documentation is not available yet.
603.3 Accommodation of Communication Needs	Does not support	As mentioned above this documentation is not available yet.

Legal Disclaimer (Company)

This Accessibility Statement is provided by Bouquet Data Services LLC ("we," "us," or "our") to describe the accessibility features and potential limitations of our product, Rozz. We are committed to ensuring digital accessibility for individuals with disabilities and strive to continually improve the user experience for everyone.

The information provided in this statement is based on our current knowledge and understanding of accessibility standards and regulations. While we make every effort to ensure that Rozz meets or exceeds applicable accessibility guidelines, such as the Web Content Accessibility Guidelines (WCAG) and Section 508 of the Rehabilitation Act, we acknowledge that technology and standards are constantly evolving.

We welcome feedback from our users and are dedicated to addressing any accessibility issues that may arise. However, we cannot guarantee that all features and content of Rozz will be accessible to all individuals at all times. Certain features or content may have limitations due to technical constraints or third-party dependencies.

This Accessibility Statement does not create any legal rights or obligations beyond those already established by applicable laws and regulations. It is intended for informational purposes only and does not constitute a binding commitment or warranty.

For questions, feedback, or to report an accessibility issue, please contact us at rozz@rozz.site.

This disclaimer and accessibility statement were last updated on March 22nd, 2024.