

Voluntary Product Accessibility Template® (VPAT®)

WCAG Edition

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(Based on VPAT® Version 2.4)

Name of Product: Gale: Miss Humblebee's Academy

Report Date: January 16, 2023

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Evaluation Methods Used:

- **Automated Testing:** aXe tool has been used for initial scanning of different screens present in the Gale Miss Humblebee's Academy application.
- **Manual Testing:** This report has been generated based on the tests conducted via accessibility experts. The tools which have been used for testing are: JAWS 2022, NVDA 2022 on Windows 10 Platform and VoiceOver on MAC. Apart from this screen reader below assistive tools are used to validate the accessibility success criteria's:
 1. Keyboard
 2. Speech Recognition (Dragon)
 3. Steve Faulkner Text Spacing Bookmarklet
 4. Color Contrast Analyser
 5. Browser Zoom

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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.

WCAG 2.1 Report

Note: When reporting on conformance with the WCAG 2.1 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

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Supports	Wherever informative images/icons are used in the application, these are provided with equivalent alternative text that describes the purpose of these non-text content to the screen reader users. And screen reader ignores all such images that are used solely for the decorative purpose.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Supports	Equivalent text transcript is available for all the audio content available in the application.
1.2.2 Captions (Prerecorded) (Level A)	Supports	Synchronized caption is available for all the pre-recorded audio-visual content in the application.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Partially Support	There is no text transcript provided for video available in the application.
1.3.1 Info and Relationships (Level A)	Partially Supports	<p>Screen reader identifies most of the information available in this application and user is able to perceive the relationship between various elements present in the application. However, there are a few exceptions where visually impaired user face difficulties in understanding the information and its corresponding relationship:</p> <p>Few Exceptions:</p> <p>1. Choose a Lesson page > Table data is not defined using the appropriate table markup</p>

Criteria	Conformance Level	Remarks and Explanations
		<p>2. Miss Humblebee's classroom page > The map page does not have any meaningful heading.</p> <p>3. Homepage: welcome > Heading hierarchy is incorrect on the page.</p> <p>4. Homepage: welcome > Main region/landmark is not available on the page.</p>
1.3.2 Meaningful Sequence (Level A)	Supports	Screen reader reads all the information available in the application in a logical sequence using ARROW keys and other reading methods that preserves their meaning and context.
1.3.3 Sensory Characteristics (Level A)	Partially Supports	<p>Several symbols & shapes are used to convey specific information for the various elements throughout the application, most of these shapes are accompanied with equivalent text alternative to convey the same information to the screen reader and other users. However, there are a few instances where visible tooltip is not available for some of the interactive icons.</p> <p>Few Exceptions:</p> <p>1. Homepage: welcome > Visible tooltip is not provided for the multiple social media icons present on the page.</p> <p>2. Miss Humblebee's classroom page > Hamburger Menu, stepping stone button, Previous/Next button, do not have visible tooltip.</p> <p>3. Choose a lesson page > Tool tip is not available for the sort icon.</p>
1.4.1 Use of Color (Level A)	Supports	Wherever color is used to convey some meaningful information, it is accompanied with an alternative that does not rely on color to interpret the same information.
1.4.2 Audio Control (Level A)	Not Applicable	There is no such audio available in the application, which plays automatically as soon as any page is launched and disrupts the

Criteria	Conformance Level	Remarks and Explanations
		reading flow of the screen reader. Wherever audio feedback is available, these are alternative to the textual information available in the application that can be muted in case of no need.
2.1.1 Keyboard (Level A)	Supports	Application has many interactive user interface components like buttons, links, and all of these elements are operable using a keyboard for screen reader/ keyboard users.
2.1.2 No Keyboard Trap (Level A)	Supports	Screen reader/ Keyboard focus is not getting trapped anywhere in the application.
2.1.4 Character Key Shortcuts (Level A 2.1 only)	Not Applicable	Single key character shortcuts are not used anywhere in the application.
2.2.1 Timing Adjustable (Level A)	Not Applicable	There is no time-based activity available in the application.
2.2.2 Pause, Stop, Hide (Level A)	Not Applicable	There is no moving, blinking, and auto-updating content available in the application that needs to be paused/stopped for the users with certain disabilities.
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	There is no flashing / blinking content available anywhere in the application.
2.4.1 Bypass Blocks (Level A)	Does Not Support	'Skip to main content' link is not available to bypass the navigation links present on the top of each page. Motor impaired user must Tab through all of the navigation links in order to reach the main content of the page.
2.4.2 Page Titled (Level A)	Partially Supports	Unique and meaningful titles are available for most of the web pages available in the application that serves their purpose. However, there is an exception for Homepage, where page title is unclear or less descriptive.

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2.4.3 Focus Order (Level A)	Partially Supports	<p>Although screen reader/ keyboard focus moves in a meaningful sequence on the majority of instances, it has been observed that while interacting with few UI components, focus does not move automatically to the correct destination.</p> <p>Few Exceptions:</p> <ol style="list-style-type: none"> 1. Miss Humblebee's classroom page > Stepping Stone modal > Tab focus moves out of the modal window. 2. Choose a lesson page > Multiple tab focus loss is observed after "Name" sortable button. 3. Miss Humblebee's classroom page > Focus order is incorrect on the page using TAB. 4. Home page: Welcome > Tab focus is moving separately to the images and 'create your own account' and 'Guess account' buttons, while navigating using keyboard tab key.
2.4.4 Link Purpose (In Context) (Level A)	Supports	All the links available in the application are provided with sufficient link text, which clearly describes the purpose/ target destination of these links.
2.5.1 Pointer Gestures (Level A 2.1 only)	Not Applicable	This audit does not include mobile devices.
2.5.2 Pointer Cancellation (Level A 2.1 only)	Supports	All the interactive controls present in the application are activated on an UP event. Even if user accidentally clicks on a control, s/he can move away from its target area and lift up the pointer to abort the action.

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2.5.3 Label in Name (Level A 2.1 only)	Supports	There is no such instance available in the application, where accessible name of an any component mismatch with its visible label.
2.5.4 Motion Actuation (Level A 2.1 only)	Not Applicable	This audit does not include the device that has motion sensors.
3.1.1 Language of Page (Level A)	Supports	The application content is available in English language, and this language is programmatically defined using the lang = “en” attribute in the <html> tag of every page.
3.2.1 On Focus (Level A)	Supports	Application does not have any such feature / functionality that initiate a change of context on receiving keyboard focus.
3.2.2 On Input (Level A)	Supports	Application does not have any such feature / functionality that initiate a change of context on changing the setting of any user interface component.
3.3.1 Error Identification (Level A)	Supports	All the error/feedback messages available in the application are provided in textual format, and these are automatically detected using the screen reader.
3.3.2 Labels or Instructions (Level A)	Supports	Meaningful labels are provided for all the form fields available in the application.
4.1.1 Parsing (Level A)	Supports	The application has been tested on Google Chrome, Firefox and Safari browsers using aXE automated tool on Windows 10 platform. Throughout the audit, no parsing or compatibility concerns have been observed in the application, user agent and the assistive technologies.
4.1.2 Name, Role, Value (Level A)	Partially Supports	Application has many interactive elements like buttons, links, edit fields etc., which are provided with proper name, role, state and value which helps screen reader user to know the actual purpose and

Criteria	Conformance Level	Remarks and Explanations
		<p>nature of these components. However, there are some components where appropriate name, role and state are not defined for assistive technology users.</p> <p>Few Exceptions:</p> <ol style="list-style-type: none"> 1. Home page: Welcome! > When curriculum, Resources receives the focus the screen reader announcing wrong button name. 2. NVDA/JAWS are not narrating the 'name' of the menu button present in the 'Miss Humblebee's classroom' page 3. Choose a lesson page > Screen readers are not narrating the state sort ascending and sort descending information for sortable controls present in the table header 4. Miss Humblebee's classroom page > Screen readers do not notify anything when user selects next/previous buttons.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not Applicable	There is no live multimedia content present in the application.
1.2.5 Audio Description (Prerecorded) (Level AA)	Not Applicable	Audio description is not needed for the audio-visual content available in the application.

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1.3.4 Orientation (Level AA 2.1 only)	Not Applicable	This audit does not include mobile devices.
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Not Applicable	Application does not have such form that collects user personal information like mobile number, address, and so on.
1.4.3 Contrast (Minimum) (Level AA)	Partially Supports	<p>Application has sufficient contrast ratio i.e., 4.5:1 for most of the color combinations used for regular text and its background. However, there are a few exceptions, where contrast ratio is not sufficient for some of the color combinations.</p> <p>Few Exceptions:</p> <ol style="list-style-type: none"> 1. Home page: Welcome! > When "Home, Curriculum, Resources, Blog" links receive the focus, The color contrast ratio is less than Standard ratio 4.5:1 2. Home page: Welcome! > Color contrast fails for the link text for the links present in the footer under the (Quick Links, Blog Posts, Offline Curriculum) when they receive the focus.
1.4.4 Resize text (Level AA)	Supports	All the application components are easily operable and accessible after resizing the application pages up to 200% browser zoom.
1.4.5 Images of Text (Level AA)	Supports	Images of text are not used to convey any meaningful information throughout the application, regular text is used to convey meaningful information through various visual presentations using html and CSS.
1.4.10 Reflow (Level AA 2.1 only)	Partially Supports	Most of the application components and its layout are accessible, when application pages are resized up to 400% browser zoom. Low vision users do not have to scroll the application in two different dimensions to access this application. However, there are a few

Criteria	Conformance Level	Remarks and Explanations
		<p>exceptions, where content is not properly visible while resizing the content up to 400%.</p> <p>Exception:</p> <ol style="list-style-type: none"> 1. Home page: Welcome! > When page was zoomed to 400 percent the main content, footer content is hidden with header section. 2. Home page: Welcome! > When the page was zoomed to 400 percent the hamburger menu is not accessible with either mouse point or keyboard. 3. Choose a lesson page > When page is zoomed to 400 percentage the table is getting hidden and also horizontal scroll bar is present at the bottom.
<p>1.4.11 Non-text Contrast (Level AA 2.1 only)</p>	<p>Partially Supports</p>	<p>Application has sufficient contrast for different active user interface components. Non-Text UI elements such as buttons, input form fields etc. have a contrast ratio of at least 3:1 to their adjacent colors.</p> <p>However, there are a few exceptions where contrast ratio is less than the standard ratio of 3:1 for the visual information used to indicate the type, state and focus of some of the active user interface components.</p> <p>Few Exceptions:</p> <ol style="list-style-type: none"> 1. Miss Humblebee's classroom page > Color contrast fails for the menu button when it receives the focus the focus outline having light green foreground and dark green background.

Criteria	Conformance Level	Remarks and Explanations
		<p>2. Choose a lesson page > Color contrast fails for the sort icon where foreground light grey color and white background color which is less than required contrast ratio.</p> <p>3. Lesson 1: Learn the parts of human body > Color contrast fails for the "close icon" focus outline when it receives the focus.</p> <p>4. Lesson 1: Learn the parts of human body > When body parts "Head" button receives the focus the focus outline does not have required contrast ratio.</p>
1.4.12 Text Spacing (Level AA 2.1 only)	Supports	This success criteria have been validated for persons with low vision and reading disabilities using Steve Faulkner's Text Spacing Bookmarklet, and all of the application content is easily readable and accessible after adjusting the text spacing using this tool.
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Not Applicable	No additional content is displayed when any application element receives hover or keyboard focus.
2.4.5 Multiple Ways (Level AA)	Not Applicable	This application consists of multi-step process where users must complete previous step to proceed further, hence, multiple ways of navigation is not needed.
2.4.6 Headings and Labels (Level AA)	Supports	The headings and labels present in this application are descriptive enough to understand the context and purpose of the content associated with them.
2.4.7 Focus Visible (Level AA)	Partially Supports	At most of the instances, a clear visual focus indicator appears when tab focus moves to any interactive element of the application. However, there are a few exceptions, where focus indicator is not clearly visible on some of the elements.

Criteria	Conformance Level	Remarks and Explanations
		Few Exceptions: <ol style="list-style-type: none"> 1. Home page: Welcome! > Tab focus is not properly visible for the links which are present under the (Blog Posts, and Offline Curriculum). 2. Home page: Welcome! > tab focus indicator is overlapping with the 'create your own account' image, while navigating using keyboard tab key. 3. Choose a lesson page > tab focus indicator is not clearly visible on 'Subject' sortable button present in the table header
3.1.2 Language of Parts (Level AA)	Not Applicable	Application content is available in English language only. There is no change in language throughout the application.
3.2.3 Consistent Navigation (Level AA)	Supports	Repeated components such as the Hamburger menu, footer links, etc. are occurring in the same order on every screen of the application, which helps the user to predict the location of various UI elements on every screen.
3.2.4 Consistent Identification (Level AA)	Supports	Elements such as the 'Close' button, which have the same functionality across multiple modals are provided with same name and role throughout the application.
3.3.3 Error Suggestion (Level AA)	Supports	Application generates several error messages while giving invalid input while performing some activities. These error messages are descriptive enough for users to understand and resolve the problem.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Not Applicable	This application does not have a form with financial or legal risk, where mechanism of error prevention is necessary to avoid the immediate losses.

Criteria	Conformance Level	Remarks and Explanations
4.1.3 Status Messages (Level AA 2.1 only)	Supports	Screen reader programmatically notifies the progress/completed state of different tasks/activities available throughout the application. For example, it automatically notifies “Congratulation”

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Chapter 3: [Functional Performance Criteria](#) (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	<p>Application provides good support with JAWS/NVDA/VoiceOver screen readers on Chrome/Firefox/Safari browsers on Windows 10 and MAC platform. Visually impaired users are able to navigate and access many components of this application using a screen reader. However, there are a few instances where a screen reader user will face difficulties in understanding and accessing the information.</p> <p>Few Exceptions:</p> <ol style="list-style-type: none"> 1. Home page: Welcome! > When curriculum, Resources receives the focus the screen reader announcing wrong button name. 2. NVDA/JAWS are not narrating the 'name' of the menu button present in the 'Miss Humblebee's classroom' page

Criteria	Conformance Level	Remarks and Explanations
		<p>3. Choose a lesson page > Screen readers are not narrating the state sort ascending and sort descending information for sortable controls present in the table header</p> <p>4. Miss Humblebee's classroom page > Screen readers do not notify anything when user selects next/previous buttons.</p>
302.2 With Limited Vision	Partially Supports	<p>Most of the components in this application are easily readable/operable when the content is magnified up to 200% or 400% browser zoom. The color scheme is appropriate and color contrast ratio of most of the text elements is equal to or greater than standard ratio 4.5:1.</p> <p>However, there are a few instances where low vision user will find it difficult to read the text with low contrast, or the text which is getting truncated on resizing the page up to 200% or 400% browser zoom.</p> <p>Few Exceptions:</p> <p>1. Home page: Welcome! > When page was zoomed to 400 percent the main content, footer content is hidden with header section.</p> <p>2. Home page: Welcome! > When the page was zoomed to 400 percent the hamburger menu is not accessible with either mouse point or keyboard.</p> <p>3. Choose a lesson page > When page is zoomed to 400 percentage the table is getting hidden and also horizontal scroll bar is present at the bottom.</p>

Criteria	Conformance Level	Remarks and Explanations
		<p>4. Home page: Welcome! > When "Home, Curriculum, Resources, Blog" links receive the focus, The color contrast ratio is less than Standard ratio 4.5:1</p> <p>5. Home page: Welcome! > Color contrast fails for the link text for the links present in the footer under the (Quick Links, Blog Posts, Offline Curriculum) when they receive the focus.</p>
302.3 Without Perception of Color	Supports	Wherever color is used to convey some meaningful information, it is accompanied with an alternative that does not rely on color to interpret the same information.
302.4 Without Hearing	Supports	The audio content available in this application is provided with equivalent text transcript. And synchronized caption is available for the audio-visual content in the application.
302.5 With Limited Hearing	Supports	The audio content available in this application is provided with equivalent text transcript. And synchronized caption is available for the audio-visual content in the application.
302.6 Without Speech	Not Applicable	Speech is not required to complete any task or activity in this application.
302.7 With Limited Manipulation	Not Applicable	There are no such complicated keyboard actions required in this application to perform any task, which requires simultaneous actions or fine motor control.
302.8 With Limited Reach and Strength	Partially Supports	While navigating this application using screen reader/keyboard, focus moves to most of the interactive elements, and user is able to operate various interactive components available in the application-using keyboard. However, there are a few exceptions

Criteria	Conformance Level	Remarks and Explanations
		<p>where screen reader/keyboard only user is not able to interact with the components properly.</p> <p>Few Exceptions:</p> <ol style="list-style-type: none"> 1. Miss Humblebee's classroom page > Stepping Stone modal > Tab focus moves out of the modal window. 2. Choose a lesson page > Multiple tab focus loss is observed after "Name" sortable button. 3. Miss Humblebee's classroom page > Focus order is incorrect on the page using TAB. 4. Home page: Welcome > Tab focus is moving separately to the images and 'create your own account' and 'Guess account' buttons, while navigating using keyboard tab key.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	<p>All features in this application have good support for user with cognitive disabilities due to following reasons:</p> <ol style="list-style-type: none"> 1. Application does not have any moving text/images/animations, which disrupts reading. 2. Application does not have any multimedia, which plays automatically and confuse the user. 3. Application does not have any flashing object, which causes seizure.

Chapter 6: Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
<u>602 Support Documentation</u>	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Supports	There is an Accessibility link present in the footer section where all the information regarding accessibility and compatibility of the application is provided.
602.3 Electronic Support Documentation	See WCAG 2.0 section	See information in WCAG 2.0 section
602.4 Alternate Formats for Non-Electronic Support Documentation	Not Applicable	The application provides information through the digital medium, and it allows users to access the 'Support Services' feature for further help regarding the digital content and documentation. There is no such requirement of alternate formats for non-electronic support documentation as support services are available electronically.
<u>603 Support Services</u>	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	There is an Accessibility link present in the footer section where all the information regarding accessibility and compatibility of the application is provided. In addition, users can call or email customer support regarding any other information.
603.3 Accommodation of Communication Needs	Supports	There is an Accessibility link present in the footer section, which provides information regarding customer support or any other

Criteria	Conformance Level	Remarks and Explanations
		accessibility documentation. Users can e-mail or call Customer Service regarding any assistance that they may require.