



Marketplace Simulations Accessibility Conformance Report

Revised Section 508 Edition

(Based on VPAT® Version 2.4)

Name of Product/Version:

Marketplace Student Software (all current versions)

Report Date:

May 8, 2020

Product Description:

Educational Business Simulation Game

Contact Information:

accessibility@marketplace-simulation.com

Notes:

This report evaluates all current versions of Marketplace Student Software. This report does not include the Marketplace Instructor Software, Microsimulations (can be optionally included within Marketplace), or the optional textbook The Management of Strategy in the Marketplace.

Evaluation Methods Used:

Our Development team evaluated our product accessibility by completing detailed audits and testing with NVDA screen reader software, keyboard only navigation, and automated tools. We also hired members of the disabled community who tested using a variety of screen reader tools so that they could provide suggestions and feedback on any errors.

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)
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 be used only in WCAG 2.0 Level AAA.

WCAG 2.0 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 – 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 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: We defined Marketplace Student software as our core web application, and it is therefore listed under web. We make available to instructors optional, supplementary electronic documents for class use, and these are listed in electronic docs. For WCAG 2.0 we considered software to be non-applicable. Marketplace Student software is self-contained, but allows students to export game data to spreadsheets, and upload a team and user avatar. These additional features are described under the authoring tool section.

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports	Web: All non-text content that conveys additional meaning has been given alternative text. Electronic Docs: All non-text content that conveys additional meaning has been given alternative text. Software: Marketplace is web-only. Authoring Tool: Equivalent information is available to screen reader technology for User Photo and Team Logo.

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.2.1 Audio-only and Video-only (Prerecorded)</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Not Applicable Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Does not contain any media that is either Audio-only or Video-only. Electronic Docs: Does not contain any media that is either Audio-only or Video-only. Software: Marketplace is web-only. Authoring Tool: Does not contain any media that is either Audio-only or Video-only.</p>
<p><u>1.2.2 Captions (Prerecorded)</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Videos have closed captions that are implemented using standard HTML, and can be viewed on any modern browser. Electronic Docs: Does not contain any media that is video only. Software: Marketplace is web-only. Authoring Tool: Does not contain any media that is video only.</p>
<p><u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Videos use a track element to provide audio descriptions. We use a custom implementation that inserts the audio description text into an HTML element with ARIA attributes that announce the text to screen reader software. When a user is using a screen reader, the screen reader reads the audio description at the right time automatically. Electronic Docs: Do not contain video content. Software: Marketplace is web-only. Authoring Tool: Does not contain any media that is video only.</p>
<p><u>1.3.1 Info and Relationships</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Partially Supports</p>	<p>Web: The interface is structured using semantic HTML, and contains additional labels and attributes to help identify regions and interactive elements as needed. Electronic Docs: Supporting documents are in a variety of formats that were made accessible (Word, PowerPoint, and Excel). Content structure was properly designated for headings, links, table headers, and lists, etc.</p>

Criteria	Conformance Level	Remarks and Explanations
		<p>Software: Marketplace is web-only. Authoring Tool: Excel spreadsheets exportable from within the simulation are arranged in a visually organized table, but lack proper data-table headers. The third-party library (https://github.com/PHPOffice/PhpSpreadsheet) we use to allow export currently does not support making a true table with properly defined headers. We have employed an alternative technique that works for NVDA and JAWS, but not for VoiceOver. If needed, a workaround is to access the data from within the web version.</p>
<p><u>1.3.2 Meaningful Sequence</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports</p>	<p>Web: Content is ordered meaningfully, and the visual layout is intentionally reflected in the DOM order to ensure a comprehensible experience for all users. Electronic Docs: Electronic Docs (such as Word, Excel, and PowerPoint) are properly structured in sequential reading order. Software: Marketplace is web-only. Authoring Tool: Excel spreadsheets exportable from within the simulation contain logically sequenced tabular data.</p>
<p><u>1.3.3 Sensory Characteristics</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports</p>	<p>Web: Content instructions can be understood on a purely textual basis, and do not rely on other sensory characteristics to be intelligible. Electronic Docs: Instructions can be understood on a purely textual basis, and do not rely on other sensory characteristics to be intelligible. Software: Marketplace is web-only. Authoring Tool: Excel instructions can be understood on a purely textual basis, and do not rely on other sensory characteristics to be intelligible.</p>

Criteria	Conformance Level	Remarks and Explanations
<p>1.4.1 Use of Color (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports</p>	<p>Web: Content does not rely on color alone for differentiation. For example, line charts use unique shapes and dash patterns for differentiation. Electronic Docs: Electronic docs contain no color-only differentiation. Software: Marketplace is web-only. Authoring Tool: Excel files generated by Marketplace do not rely on color to convey information. Downloadable line/bar charts rely on shapes and dashes instead of color.</p>
<p>1.4.2 Audio Control (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Marketplace does not play audio or video automatically. All video clips use standard HTML components for pause and volume control. Electronic Docs: Electronic docs do not contain audio. Software: Marketplace is web-only. Authoring Tool: Exportable files do not contain audio.</p>
<p>2.1.1 Keyboard (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports</p>	<p>Web: The interface can be navigated using tab and arrow keys, and components can be clicked or activated using the spacebar or enter keys. Electronic Docs: The electronic docs can be freely accessed using the keyboard. Software: Marketplace is web-only. Authoring Tool: Excel files can be freely accessed using the keyboard.</p>
<p>2.1.2 No Keyboard Trap (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports</p>	<p>Web: Keyboard focus in Marketplace can always be moved to enable the user to navigate away from any component. Electronic Docs: Marketplace electronic docs contain no possibility for users to get stuck in a keyboard trap. Software: Marketplace is web-only. Authoring Tool: Exportable Excel sheets contain no possibility for users to get stuck in a keyboard trap.</p>

Criteria	Conformance Level	Remarks and Explanations
<p><u>2.2.1 Timing Adjustable</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports</p>	<p>Web: Decision screens in Marketplace have a time limit that is applied after 15 minutes of inactivity at which time users are given another 15 minutes to respond if they wish to extend their editing session. A decision editing session can be extended an unlimited number of times. The Marketplace game session automatically logs out after 20 hours of inactivity. Electronic Docs: The electronic docs contain no time limit. Software: Marketplace is web-only. Authoring Tool: These files contain no time limit.</p>
<p><u>2.2.2 Pause, Stop, Hide</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Any automatic animation present in Marketplace is either less than 5 seconds long, or has a mechanism to stop or hide the animation. Electronic Docs: The electronic docs contain no animation. Software: Marketplace is web-only. Authoring Tool: These files contain no animation.</p>
<p><u>2.3.1 Three Flashes or Below Threshold</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Any Marketplace animations that fill a large enough screen area to be of concern for photosensitivity have been tested using the “Trace Center Photosensitive Epilepsy Analysis Tool” and subsequently adjusted to pass accepted standards. Electronic Docs: The electronic docs contain no animation. Software: Marketplace is web-only. Authoring Tool: These files contain no animation.</p>
<p><u>2.4.1 Bypass Blocks</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	<p>Web: Supports Electronic Docs: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Marketplace decision screens include hidden links for keyboard users to skip to main “Modify” controls. In general, by use of HTML markup and ARIA attributes, most Marketplace content is organized into menus, page regions, content areas, and various subsections that can be easily navigated and skipped using accessibility tools.</p>

Criteria	Conformance Level	Remarks and Explanations
		Electronic Docs: Not required. Authoring Tool: Not required.
<p>2.4.2 Page Titled (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports</p> <p>Electronic Docs: Supports</p> <p>Software: Not Applicable</p> <p>Authoring Tool: Supports</p>	<p>Web: Each page in Marketplace contains a descriptive HTML title element that reflects the purpose of the main content area.</p> <p>Electronic Docs: The electronic docs contain descriptive file names. Page titles are included where applicable: Excel documents have informative sheet titles; PowerPoints have informative slide titles.</p> <p>Software: Marketplace is web-only.</p> <p>Authoring Tool: Excel documents have defined file names and sheet names. Other user-authored content, such as uploaded images, occur within web pages which are titled.</p>
<p>2.4.3 Focus Order (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports</p> <p>Electronic Docs: Supports</p> <p>Software: Not Applicable</p> <p>Authoring Tool: Supports</p>	<p>Web: Marketplace is ordered sequentially and the visual order is reflected in the page structure and tab-order.</p> <p>Electronic Docs: The electronic docs have a linear and consistent structure.</p> <p>Software: Marketplace is web-only.</p> <p>Authoring Tool: Exported sheets have a linear and consistent structure.</p>
<p>2.4.4 Link Purpose (In Context) (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports</p> <p>Electronic Docs: Supports</p> <p>Software: Not Applicable</p> <p>Authoring Tool: Supports</p>	<p>Web: Links and interactive elements in Marketplace are properly labeled and identified. Links without visible text have been give ARIA labels, title attributes, or other hidden text so that any user can readily determine the link purpose.</p> <p>Electronic Docs: Links in electronic docs are properly labeled and identified.</p> <p>Software: Marketplace is web-only.</p> <p>Authoring Tool: These files contain no links.</p>
<p>3.1.1 Language of Page (Level A)</p> <p>Also applies to: Revised Section 508</p>	<p>Web: Supports</p> <p>Electronic Docs: Supports</p> <p>Software: Not Applicable</p>	<p>Web: The language for Marketplace is specified in the page's HTML element.</p>

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Authoring Tool: Supports	Electronic Docs: The language for the electronic docs is set and consistent. Software: Marketplace is web-only. Authoring Tool: Marketplace Excel spreadsheets set a default language.
3.2.1 On Focus (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports	Web: In Marketplace, focusing on an element does not cause a state change or trigger a context change. Electronic Docs: The Electronic docs are not interactive and do not have multiple states. Software: Marketplace is web-only. Authoring Tool: Marketplace Excel spreadsheets are not interactive and do not have multiple states.
3.2.2 On Input (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports	Web: Changing the settings of interface components in Marketplace does not automatically trigger a context change. Electronic Docs: The electronic docs are not interactive and do not have multiple states. Software: Marketplace is web-only. Authoring Tool: Marketplace Excel spreadsheets are not interactive and do not have multiple states.
3.3.1 Error Identification (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Supports	Web: Error messages in Marketplace are displayed as text and trigger alerts that are automatically read by screen reader software. Input fields that contain errors are linked to a description of the error. Electronic Docs: The electronic docs do not have error states. Software: Marketplace is web-only. Authoring Tool: The Excel spreadsheets do not have error states.
3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 	Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports	Web: Form controls are properly labeled, and include text instructions as needed.

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		<p>Electronic Docs: The electronic docs contain properly labeled form controls and include instructions as needed.</p> <p>Software: Marketplace is web-only.</p> <p>Authoring Tool: Marketplace Excel spreadsheets do not have interactive elements.</p>
<p>4.1.1 Parsing (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports</p> <p>Electronic Docs: Supports</p> <p>Software: Not Applicable</p> <p>Authoring Tool: Supports</p>	<p>Web: All Marketplace pages and screens are made with validated and conformant HTML.</p> <p>Electronic Docs: For Word, PowerPoint, and Excel documents, we ensure they are well-formed by producing them using recent versions of Microsoft software and following the guidelines recommended at https://www.section508.gov/create.</p> <p>Software: Marketplace is web-only.</p> <p>Authoring Tool: Excel sheets are manually checked to ensure they can be accessed as expected. Additionally, we follow guidelines at https://www.section508.gov/create.</p>
<p>4.1.2 Name, Role, Value (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports</p> <p>Electronic Docs: Supports</p> <p>Software: Not Applicable</p> <p>Authoring Tool: Supports</p>	<p>Web: Interface components in Marketplace are properly defined and labeled, and screen readers can determine their current state.</p> <p>Electronic Docs: Components in the docs are properly labeled.</p> <p>Software: Marketplace is web-only.</p> <p>Authoring Tool: Marketplace Excel spreadsheets do not have interactive elements.</p>

Table 2: Success Criteria, Level AA

Notes: We defined Marketplace Student software as our core web application, and it is therefore listed under web. We make available to instructors optional, supplementary electronic documents for class use, and these are listed in electronic docs. For WCAG 2.0 we considered software to be non-applicable. Marketplace Student software is self-contained, but allows students to export game data to spreadsheets, and upload a team and user avatar. These additional features are described under the authoring tool section.

Criteria	Conformance Level	Remarks and Explanations
<p>1.2.4 Captions (Live) (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Not Applicable Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Marketplace does not contain live audio content. Electronic Docs: These contain no live audio content. Software: Marketplace is web-only. Authoring Tool: These contain no live audio content.</p>
<p>1.2.5 Audio Description (Prerecorded) (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Not Applicable Software: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Marketplace videos use a track element to provide audio descriptions. We have a custom implementation that inserts description text into an HTML element that has aria-live attributes so it announces the text to screen reader software. When a user is using a screen reader, the screen reader reads the audio description at the right time automatically. Electronic Docs: These contain no video content. Software: Marketplace is web-only. Authoring Tool: These contain no video content.</p>
<p>1.4.3 Contrast (Minimum) (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports</p>	<p>Web: Text and images of text in Marketplace are styled to meet the required contrast ratios. Electronic Docs: Text is styled to meet the required contrast ratios. Software: Marketplace is web-only. Authoring Tool: Text is styled to meet the required contrast ratios.</p>
<p>1.4.4 Resize text (Level AA)</p> <p>Also applies to: Revised Section 508</p>	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable</p>	<p>Web: Marketplace supports browser zooming without loss of content or functionality.</p>

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Authoring Tool: Supports	<p>Electronic Docs: Support zooming without loss of content or functionality.</p> <p>Software: Marketplace is web-only.</p> <p>Authoring Tool: The Excel spreadsheets support zooming without loss of content or functionality.</p>
<p>1.4.5 Images of Text (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports</p> <p>Electronic Docs: Supports</p> <p>Software: Not Applicable</p> <p>Authoring Tool: Supports</p>	<p>Web: Marketplace uses text rather than images of text, except where text images are permissible and essential, as in logos or maps. Images of text are always presented with alternative text that states any text in the image.</p> <p>Electronic Docs: The electronic docs use text rather than images of text, except where text images are permissible.</p> <p>Software: Marketplace is web-only.</p> <p>Authoring Tool: Marketplace Excel spreadsheets only contain text.</p>
<p>2.4.5 Multiple Ways (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	<p>Web: Supports</p> <p>Electronic Docs: Not Applicable</p> <p>Authoring Tool: Supports</p>	<p>Web: All pages in Marketplace can be navigated to using either the main tree menu, a search of this menu, or previous/next buttons which step through the pages. Additionally, some screens provide “Quick Links” which are links to relevant pages, contained in a complementary menu widget. For keyboard navigation a jump menu (skip links) are provided at the beginning of the page for quick access to page sections.</p> <p>Electronic Docs: Not required.</p> <p>Authoring Tool: Navigation of Excel files is handled by an external application such as Microsoft Excel.</p>
<p>2.4.6 Headings and Labels (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports</p> <p>Electronic Docs: Supports</p> <p>Software: Not Applicable</p> <p>Authoring Tool: Partially Supports</p>	<p>Web: Marketplace lectures and pages are organized by HTML headings for easier browsing, and forms are labeled for optimal clarity.</p> <p>Electronic Docs: Word documents have headings and any editable fields have informative labels. PowerPoint files have descriptive slide titles. Excel files have</p>

Criteria	Conformance Level	Remarks and Explanations
		<p>properly labeled editable fields and associated table headers.</p> <p>Software: Marketplace is web-only.</p> <p>Authoring Tool: The third-party library (https://github.com/PHPOffice/PhpSpreadsheet) we use to allow export currently does not support making a true table with properly defined column headers. We have employed an alternative technique that works for NVDA and JAWS, but not for VoiceOver. If needed, a workaround is to access the data from within the web version.</p>
<p>2.4.7 Focus Visible (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports</p> <p>Electronic Docs: Supports</p> <p>Software: Not Applicable</p> <p>Authoring Tool: Supports</p>	<p>Web: We use default HTML focus indicator to ensure visible focus, and a number of interface components use custom styling to maximize visibility in all browsers.</p> <p>Electronic Docs: Permit visible focus on all keyboard-accessible elements.</p> <p>Software: Marketplace is web-only.</p> <p>Authoring Tool: Permit visible focus on all elements.</p>
<p>3.1.2 Language of Parts (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Partially Supports</p> <p>Electronic Docs: Supports</p> <p>Software: Not Applicable</p> <p>Authoring Tool: Supports</p>	<p>Web: For the English version, any passages containing text in different languages are appropriately specified using the HTML language attribute. Marketplace levels available in other languages have translations provided by contributors, and we currently have no way to track parts that may remain in English. A workaround is to set the game to English and translate problem text from that version.</p> <p>Electronic Docs: Marketplace docs are in a consistent language. Per https://www.section508.gov/create, the documents are in one language, English, and therefore no language of parts applies.</p> <p>Software: Marketplace is web-only.</p> <p>Authoring Tool: Per https://www.section508.gov/create, the spreadsheets</p>

Criteria	Conformance Level	Remarks and Explanations
		are in one language, English, and therefore no language of parts applies.
<p>3.2.3 Consistent Navigation (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	<p>Web: Supports Electronic Docs: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Marketplace navigation components are designed with consistent layout and order. Electronic Docs: Does not apply to non-web docs. Authoring Tool: Does not apply to non-web docs.</p>
<p>3.2.4 Consistent Identification (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	<p>Web: Supports Electronic Docs: Not Applicable Authoring Tool: Not Applicable</p>	<p>Web: Marketplace components use a consistent naming scheme. Electronic Docs: Does not apply to non-web docs. Authoring Tool: Does not apply to non-web docs.</p>
<p>3.3.3 Error Suggestion (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports</p>	<p>Web: Marketplace input error messages are written to offer suggestions and guidance specifically tailored to a particular error in the context of Marketplace teaching goals. Electronic Docs: These files do not have error states. Software: Marketplace is web-only. Authoring Tool: These files do not have error states.</p>
<p>3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports Electronic Docs: Supports Software: Not Applicable Authoring Tool: Supports</p>	<p>Web: For legal/financial/data decisions, Marketplace forms give users the opportunity to review and amend input mistakes before submitting, and provide a checkbox in addition to a submit button. Electronic Docs: These files do not have forms that can be submitted. Software: Marketplace is web-only. Authoring Tool: These files do not have forms that can be submitted.</p>

Table 3: Success Criteria, Level AAA

Notes: We aim for conformance with WCAG 2.0 Level AA. Level AAA was not evaluated at this time.

Revised Section 508 Report

Notes: To determine which parts of 508 apply we followed the guidelines at <https://www.section508.gov/buy/determine-ict-standards>. We defined Marketplace Student software as web-based software. Therefore 302, 502, 503, 602, 603 apply. Since minor aspects of Marketplace Student software are authoring tools, 504 additionally applies. We make available to instructors optional, supplementary electronic documents for class use. For the purposes of the 508 section we have considered them electronic content. According to the linked guidelines they must meet 602 and 603 (they are more distinctly reported in the previous WCAG 2.0 tables as electronic docs).

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

Notes: Following the linked section 508 guidelines referenced previously, chapter 3 reports on our web-based software including the minor aspects that are authoring tools. What we consider our web-based software is the main simulation software for students. The optional features that are authoring tools are the ability to export game data to spreadsheets, and upload a team and user avatar.

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	Marketplace software is navigable without requiring user vision. One optional feature to export Excel spreadsheets from within the simulation relies on a third-party library (https://github.com/PHPOffice/PhpSpreadsheet) which currently does not support making a true table with properly defined headers. But the data is present, organized, and navigable. We have employed an alternative technique that works for NVDA and JAWS, but not for VoiceOver. If needed, a workaround is to access the data from within the web version.

Criteria	Conformance Level	Remarks and Explanations
302.2 With Limited Vision	Partially Supports	Marketplace software can be used in cases where user has limited vision. One optional feature to export Excel spreadsheets from within the simulation relies on a third-party library (https://github.com/PHPOffice/PhpSpreadsheet) which currently does not support making a true table with properly defined headers. But the data is present, organized, and navigable. We have employed an alternative technique that works for NVDA and JAWS, but not for VoiceOver. If needed, a workaround is to access the data from within the web version.
302.3 Without Perception of Color	Supports	Marketplace does not require perception of color for successful operation. Differentiation between elements never relies on color alone.
302.4 Without Hearing	Supports	Marketplace does not require user hearing for successful operation. All audio information is available in visual and text equivalents.
302.5 With Limited Hearing	Supports	Marketplace can be successfully operated in cases where user has limited hearing. All audio information is available in visual and text equivalents.
302.6 Without Speech	Supports	Marketplace does not require user speech control for successful operation. There are no speech dependent components in Marketplace.
302.7 With Limited Manipulation	Supports	Marketplace does not have components that require fine motor control or simultaneous manual operations. Components in Marketplace can be accessed and manipulated for optimum success using simple keyboard inputs.
302.8 With Limited Reach and Strength	Supports	Marketplace can be operated successfully in cases where user has limited reach and strength.

Criteria	Conformance Level	Remarks and Explanations
		Components in Marketplace can be accessed and manipulated using simple keyboard inputs.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	All Marketplace content is organized with a logical structure and clear, consistent labeling. There are no automatic, continuous animations or sounds that cannot be easily disabled.

Chapter 4: [Hardware](#)

Notes: Marketplace has no hardware component.

Chapter 5: [Software](#)

Notes: Following the guidelines at <https://www.section508.gov/buy/determine-ict-standards>, chapter 5 reports on our web-based software. The aspects that are authoring tools are described only in 504 Authoring Tools. What we consider our web-based software is the main simulation software for students. The optional features that are authoring tools are the ability to export game data to spreadsheets, and upload a team and user avatar.

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.0 section	See information in WCAG 2.0 section
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Supports	Marketplace allows users to control features that are defined as accessibility features.
502.2.2 No Disruption of Accessibility Features	Supports	Marketplace does not disrupt the browser’s built-in accessibility features.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Supports	Content in Marketplace is well labeled and organized with defined roles that can be programmatically determined by accessibility tools.
502.3.2 Modification of Object Information	Supports	Users can access and modify screens, forms, and interactive objects with the help of assistive technology.

Criteria	Conformance Level	Remarks and Explanations
502.3.3 Row, Column, and Headers	Supports	Marketplace uses HTML markup and ARIA labeling to properly associate table headers, rows, and columns.
502.3.4 Values	Supports	Marketplace data values can be determined programmatically. In all line charts for example, each point value can be read using a screen reader tool.
502.3.5 Modification of Values	Supports	All values can be set using assistive technologies.
502.3.6 Label Relationships	Supports	Elements are labeled using HTML and ARIA attributes.
502.3.7 Hierarchical Relationships	Supports	HTML headings, nested lists, regions, and landmarks, are used to define and establish hierarchical relationships.
502.3.8 Text	Supports	All text that is presented as a graphic is available in an alt text attribute.
502.3.9 Modification of Text	Supports	All text-based forms that Marketplace requires users to fill can be filled using assistive technology.
502.3.10 List of Actions	Supports	Lists of actions and other instructions are available to users of any assistive technology.
502.3.11 Actions on Objects	Supports	Any objects that require user action have alternative means for users of assistive technology to execute the required action.
502.3.12 Focus Cursor	Supports	Marketplace primarily uses standard HTML focus styling, and in some cases uses custom styling to help user track focus on interface components.
502.3.13 Modification of Focus Cursor	Supports	Text insertion location can be determined and controlled programmatically by users of assistive technology.

Criteria	Conformance Level	Remarks and Explanations
502.3.14 Event Notification	Supports	Marketplace uses ARIA attributes to notify users of assistive technology of important changes due to events.
502.4 Platform Accessibility Features	Supports	Marketplace uses browser-supported HTML and CSS as its platform, and all necessary accessibility features are well supported and documented.
<u>503 Applications</u>	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Supports	Marketplace supports the ability of users to change display preferences through their web browser.
503.3 Alternative User Interfaces	Supports	Any alternative accessibility solutions used by Marketplace are deployed using industry standard accessibility services.
<i>503.4 User Controls for Captions and Audio Description</i>	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Supports	Marketplace uses native HTML video elements which support built-in accessible user controls for captions.
503.4.2 Audio Description Controls	Supports	Marketplace audio descriptions are played automatically when videos are watched while using a screen reader.
<u>504 Authoring Tools</u>	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter “not applicable”)	See WCAG 2.0 section	See information in WCAG 2.0 section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Partially Supports	One optional feature to export Excel spreadsheets from within the simulation relies on a third-party library (https://github.com/PHPOffice/PhpSpreadsheet) which currently does not support making a true table with properly defined headers. But the data is present, organized, and navigable. We have employed an alternative technique that works for NVDA and JAWS, but not for

Criteria	Conformance Level	Remarks and Explanations
		VoiceOver. If needed, a workaround is to access the data from within the web version.
504.2.2 PDF Export	Not Applicable	Marketplace is not an authoring tool that can export PDF files.
504.3 Prompts	Partially Supports	User uploaded files are very narrowly used in Marketplace. Because of the context on display page, additional labeling can be achieved automatically and prompting is not necessary.
504.4 Templates	Not Applicable	Marketplace is not a complex authoring tool. There are no templates used.

Chapter 6: [Support Documentation and Services](#)

Notes: Marketplace Simulations has a support desk reachable by phone and email. Following the guidelines at <https://www.section508.gov/buy/determine-ict-standards>, chapter 6 reports on our support documentation and services and other supporting electronic content. We defined the optional, supplementary electronic documents we make available to instructors for class use as electronic content, and they are more distinctly reported on in the WCAG tables. We used the guidelines available at <https://www.section508.gov/create> to create this electronic content.

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
602.2 Accessibility and Compatibility Features	Supports	Marketplace openly shares its Accessibility Statement and conformance reports which describe accessibility features in detail. We also describe some features on our website, and have compiled videos of meeting certain criteria, and screen reader navigation instructions. Users may contact accessibility@marketplace-simulation.com for assistance with specific features or to get answers to questions.
602.3 Electronic Support Documentation	See WCAG 2.0 section	See information in WCAG 2.0 section

Criteria	Conformance Level	Remarks and Explanations
602.4 Alternate Formats for Non-Electronic Support Documentation	Supports	Marketplace support is also available through phone or email.
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Partially Supports	Users can contact support via email or phone (TDD/TTY not directly supported). Support personnel have limited training with accessibility issues, but can involve more knowledgeable Marketplace employees to identify solutions. We have a goal of implementing training to allow any of our Support team to be able to quickly resolve common issues.
603.3 Accommodation of Communication Needs	Supports	Marketplace support can be reached via phone or email at +1 (865) 522-1946 or accessibility@marketplace-simulation.com .

Legal Disclaimer Marketplace Simulations

The information herein is provided in good faith at the time of the review and does not represent a legally-binding claim. Please contact us at accessibility@marketplace-simulation.com to report any errors or ask for additional information.