

# Accessibility Review

VIPER

## 1. Executive Summary

This report describes the conformance of the Community Assessment – Scenario 3 (French and English) with [W3C's Web Content Accessibility Guidelines \(WCAG\)](#). The review process is described in Section 5 below and is based on evaluation described in [Accessibility Evaluation Resources](#).

Based on this evaluation, the Community Assessment – Scenario 1 (French and English) website meets WCAG 2.1, Conformance Level AA. Detailed review results are available in Section 6 below. Resources for follow-up study are listed in Section 7 below. Feedback on this evaluation is welcome.

## 2. Background about Evaluation

Conformance evaluation of web accessibility requires a combination of [semi-automated evaluation tools](#) and manual evaluation by an experienced reviewer. The evaluation results in this report are based on evaluation conducted on the following date(s): February 25, 2022 The website may have changed since that time.

## 3. Scope of Review

- Three VIPER text alternative games (French and English) for Nursing education and associated with CAN-Sim.
- <https://www.can-sim.ca/viper/text>
- Subdomain of <https://www.can-sim.ca/>
- February 25, 2022
- French and English

## 4. Reviewer(s)

- Lillian Chumbley

## 6. Results and Recommended Actions

- This website appears to meet WCAG 2.1 AA. WCAG 2.1 AAA was not checked.
- Site is a completed text alternative to a VIPER and was developed to meet the best possible accessibility.
- Completing a further machine check is recommended.
- On-going monitoring for accessibility is recommended as this tool continues to be developed.

## 7. References

- [Web Content Accessibility Guidelines \(WCAG\) Overview](https://www.w3.org/WAI/intro/wcag)  
<https://www.w3.org/WAI/intro/wcag>
- [Web Content Accessibility Guidelines 2.1](https://www.w3.org/TR/WCAG21/)  
<https://www.w3.org/TR/WCAG21/>
- [Techniques for WCAG 2.1](https://www.w3.org/WAI/WCAG21/Techniques/)  
<https://www.w3.org/WAI/WCAG21/Techniques/>
- [Accessibility Evaluation Resources](http://www.w3.org/WAI/eval/)  
<http://www.w3.org/WAI/eval/>
- [Web Accessibility Evaluation Tools List](https://www.w3.org/WAI/ER/tools/)  
<https://www.w3.org/WAI/ER/tools/>

## 8. Report

### About the Evaluation

Report Creator: *Lillian Chumbley*

Evaluation date: **Friday Feb 25 2022**

### Scope of the Evaluation

Website name *<https://www.can-sim.ca/viper/text>*

Scope of the website *Can-Sim Viper text-based games*

WCAG Version **2.1**

Conformance target **AA**

### Detailed audit results

#### **Summary**

Reported on 43 of 50 WCAG 2.1 AA Success Criteria.

- 38 Passed
- 0 Failed
- 0 Cannot tell
- 5 Not present
- 7 Not checked

#### **All results**

## 1 Perceivable

### 1.1 Text Alternatives

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>1.1.1: Non-text Content</b>	Result: Passed	Observations:  All non-text (or machine readable) content has text alternatives. (Only logos are in non-text format)

### 1.2 Time-based Media

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>1.2.1: Audio-only and Video-only (Prerecorded)</b>	Result: Passed	Observations:  All pre-recorded scenario components have a complete text version and descriptive provided.
<b>1.2.2: Captions (Prerecorded)</b>	Result: Passed	Observations:  Text-based alternative is provided for all video and time-based media.

<b>1.2.3: Audio Description or Media Alternative (Prerecorded)</b>	Result: Passed	Observations: Text-based alternative is provided for all video and time-based media.
<b>1.2.4: Captions (Live)</b>	Result: Passed	Observations: No live audio content exists.
<b>1.2.5: Audio Description (Prerecorded)</b>	Result: Passed	Observations: Descriptive text-based alternative is provided for all video and time-based media.

1.3 Adaptable

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>1.3.1: Info and Relationships</b>	Result: Passed	Observations: Text based content is presented in a linear manner.
<b>1.3.2: Meaningful Sequence</b>	Result: Passed	Observations: Sequence does not affect meaning/does not differ

<b>1.3.3: Sensory Characteristics</b>	Result: Passed	Observations: Navigation is linear
<b>1.3.4: Orientation</b>	Result: Passed	Observations: Dynamic presentation
<b>1.3.5: Identify Input Purpose</b>	Result: Passed	

1.4 Distinguishable

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>1.4.1: Use of Color</b>	Result: Passed	
<b>1.4.2: Audio Control</b>	Result: Passed	Observations: No automatic audio
<b>1.4.3: Contrast (Minimum)</b>	Result: Passed	

<b>1.4.4: Resize text</b>	Result: Passed	
<b>1.4.5: Images of Text</b>	Result: Passed	
<b>1.4.10: Reflow</b>	Result: Passed	
<b>1.4.11: Non-text Contrast</b>	Result: Passed	
<b>1.4.12: Text Spacing</b>	Result: Passed	
<b>1.4.13: Content on Hover or Focus</b>	Result: Passed	Observations: No hover or keyboard focus triggers.

## 2 Operable

### 2.1 Keyboard Accessible

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>2.1.1: Keyboard</b>	Result: Passed	

<b>2.1.2: No Keyboard Trap</b>	Result: Not checked	
<b>2.1.4: Character Key Shortcuts</b>	Result: Passed	Observations: No independent keyboard shortcuts

2.2 Enough Time

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>2.2.1: Timing Adjustable</b>	Result: Passed	Observations: Text version has no time triggers
<b>2.2.2: Pause, Stop, Hide</b>	Result: Passed	Observations: No moving, blinking, scrolling, or auto-updating information exists.

2.3 Seizures and Physical Reactions

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>2.3.1: Three Flashes or Below Threshold</b>	Result: Passed	Observations:



		No flashing elements.
--	--	-----------------------

2.4 Navigable

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>2.4.1: Bypass Blocks</b>	Result: Not checked	
<b>2.4.2: Page Titled</b>	Result: Not present	Observations: Titles are not unique
<b>2.4.3: Focus Order</b>	Result: Passed	
<b>2.4.4: Link Purpose (In Context)</b>	Result: Passed	
<b>2.4.5: Multiple Ways</b>	Result: Not present	Observations: Navigation is linear through the scenario.
<b>2.4.6: Headings and Labels</b>	Result: Passed	

<b>2.4.7: Focus Visible</b>	Result: Not checked	
-----------------------------	---------------------	--

2.5 Input Modalities

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>2.5.1: Pointer Gestures</b>	Result: Not checked	
<b>2.5.2: Pointer Cancellation</b>	Result: Not checked	
<b>2.5.3: Label in Name</b>	Result: Passed	
<b>2.5.4: Motion Actuation</b>	Result: Not checked	

3 Understandable

3.1 Readable

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>3.1.1: Language of Page</b>	Result: Passed	

<b>3.1.2: Language of Parts</b>	Result: Passed	
---------------------------------	----------------	--

3.2 Predictable

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>3.2.1: On Focus</b>	Result: Passed	
<b>3.2.2: On Input</b>	Result: Passed	
<b>3.2.3: Consistent Navigation</b>	Result: Passed	
<b>3.2.4: Consistent Identification</b>	Result: Not checked	

3.3 Input Assistance

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>3.3.1: Error Identification</b>	Result: Not present	Observations: Only input is name for certificate.

<b>3.3.2: Labels or Instructions</b>	Result: Passed	Observations: Labels are provided for input.
<b>3.3.3: Error Suggestion</b>	Result: Not present	Observations: Input does not impact functionality.
<b>3.3.4: Error Prevention (Legal, Financial, Data)</b>	Result: Passed	Observations: No transactions or commitments are associated to the content.

*4 Robust*

4.1 Compatible

<b>Success Criterion</b>	<b>Result</b>	<b>Observations</b>
<b>4.1.1: Parsing</b>	Result: Passed	
<b>4.1.2: Name, Role, Value</b>	Result: Passed	

<b>4.1.3: Status Messages</b>	Result: Not present	Observations: No status messages exist.
-------------------------------	---------------------	--