ACCESSIBILITY AND UDL IN ACTION:
ASSESSING ARTICULATE RISE 360

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AGENGA

01. BACKGROUND

02. CURRENT STATUS

03. HEALTH-SCIENCE SPECIFIC TOPICS

01.

BACKGROUND

ARTICULATE RISE 360 AT UOFT

- AR 360 to develop asynchronous learning modules
- UofT and UTL resources were general to teaching, not specific to AR 360
- Gap in health sciences-specific recommendations

ACCESSIBLE AND INCLUSIVE LEARNING

Accessibility for Ontarians with Disabilities Act (AODA) &

Universal Design for Learning (UDL)

"One in five of the Canadian population aged 15 years and over – had one or more disabilities."

- Canadian Survey on Disability Report

THE CHECKLIST

Practicing Accessibility and UDL Principles on Articulate Rise 360, prototype phase

PRACTICING ACCESSIBILITY AND UDL PRINCIPLES ON ARTICULATE RISE 360

THE CHECKLIST

The aim of this checklist, based on accessibility guidelines and UDL principles, is to help you during the creation of new modules and updating existing modules.

GENERAL SUGGESTIONS

These suggestions apply to any module regardless of subject area.

Learning Objectives

☐ Include a list of learning objectives at the beginning of the module

Captions

☐ Include captions to describe images/tables at a high contextual level, similar to a title (i.e., Figure X. or Table X.)

Alternative Text (alt text)

☐ Ensure all images and videos have alt text (Add Alt Text using Rise 360)
☐ Avoid "image of", "picture of", or duplicating body text around the image
☐ Add "NULL alt text" if images do not convey essential information

Body Text

☐ Include maximum of 1-2 accessible font styles
☐ Use clear and plain language
☐ Resize the preview on browser and ensure text is readable when enlarged to 200%

Contrast and Colour

☐ Use a color contrast checker to ensure the contrast ratio to be at least 4:5:1

Headings

☐ Apply heading levels to organize contents
☐ Avoid skipping heading levels (e.g., <h2> to <h4>), or use levels for formatting only
  • Can use statement box to highlight content

Links and Hypertext

☐ Use link words and phrases that are unambiguous, can be intuitively organized regardless of order
☐ Avoid the word "link" in the link text and/or non-informative link phrases such as:
  • click here
  • here
  • more
  • read more
  • link to [some link destination]
  • Info

Lists

☐ Use a numbered list when the order/steps matter, otherwise use bullet points
☐ Use the built-in bullet points and numbered list in a consistent format
  • Avoid having bullet points followed by a number

Navigation

☐ Test with a screen reader (NVDA, VoiceOver, or JAWS)
☐ Name interactive features consistently within a section
  • When naming buttons (i.e. interactive feature), use consistent formatting such as the full word, a shortened version of the word etc.
☐ Ensure links, buttons, and menus can be navigated with the keyboard
☐ Check if links and interactive components are accessible by keyboard

Videos & Audio

☐ Ensure videos/audio have transcripts or closed captions before uploading to articulate
☐ Ensure that audio can be paused
☐ Avoid content with flashing or flickering

Images

☐ Include audio descriptions for essential images/visual information
☐ Avoid communicating essential information in images unless that information is repeated in a text format
☐ Avoid images of text
☐ Avoid colour as the only method of distinguishing between information
☐ Avoid animations with flashing or flickering

02.
CURRENT STATUS

OVERVIEW OF CHECKLIST STRUCTURE

- **GENERAL SUGGESTIONS**

  Principles from Web Content Accessibility Guidelines (WCAG 2.0) and UDL applied to the content, formatting, and functionality on Articulate Rise 360
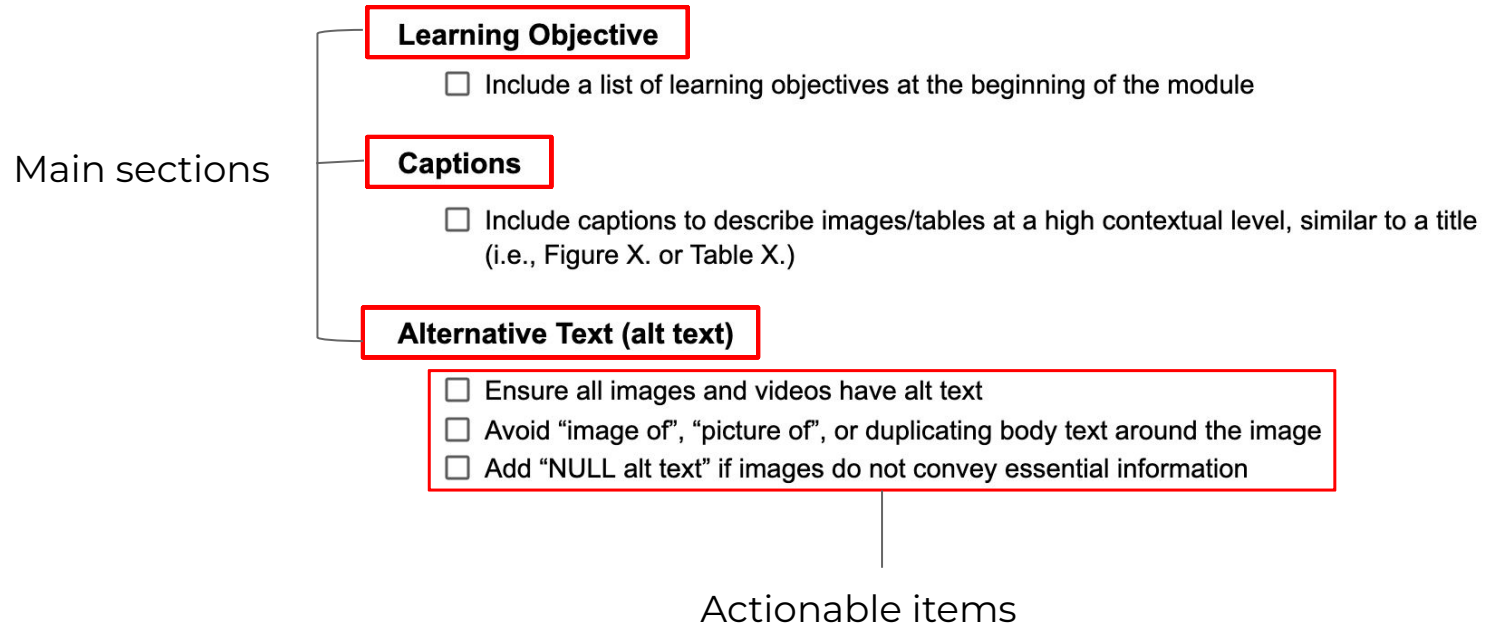
- **HEALTH SCIENCE-SPECIFIC CONCEPTS**

  Specific health science-related content on Articulate Rise 360 to be aware of as it may present concerns for accessibility

- **REFERENCES AND TOOLS FOR FURTHER REVIEW**

  List of resources to learn more about accessibility and UDL when creating asynchronous modules and tools for checking for accessibility and UDL issues

EXAMPLE OF GENERAL SUGGESTIONS

Main sections

Learning Objective

☐ Include a list of learning objectives at the beginning of the module

Captions

☐ Include captions to describe images/tables at a high contextual level, similar to a title (i.e., Figure X. or Table X.)

Alternative Text (alt text)

☐ Ensure all images and videos have alt text
☐ Avoid "image of", "picture of", or duplicating body text around the image
☐ Add "NULL alt text" if images do not convey essential information

Actionable items

REFERENCES AND TOOLS

Further reading on accessibility and UDL

Tools that individuals attending workshops may be using:

- Keyboard
- Screen readers
- Text readers
- Screen magnifiers
- Refreshable braille displays
- Speech synthesizers

- JAWS
- NVDA
- VoiceOver
- TalkBack

03.

HEALTH-SCIENCE SPECIFIC TOPICS

AR 360 MODULES

Copy of JPM300: Conducting a Literature Review

7 Lessons · Aug 16, 2021

Copy of Week 3, Module 3: Supplementary Search Techniques

6 Lessons · Aug 16, 2021

SEARCH STRATEGY ACRONYMS

Option 1: Use a PICO Framework

PCC   +

PS   +

SPICE   +

PIE   +

DATABASE NAMES

PubMed, Ovid MEDLINE, EMBASE, CINAHL Plus, Cochrane

APA PsycINFO (Pronouced "A,P,A,P,S,Y,C, Info")

PsycINFO (Pronounced "P,S,Y,C, Info")

PsychINFO (Pronouced "psychinfo")

PROBLEM: IMAGE WITH TEXT, IMPROPER ALT TEXT

SOLUTION: USE A LABELED GRAPHIC (INTERACTIVE)

SOLUTION: USE A LABELED GRAPHIC (INTERACTIVE)

PROBLEM: IMAGE WITH TEXT

Steps to conducting a literature review

SOLUTION: USE A NUMBERED LIST

Numbered list ▾ | Edit

1. How to check if a journal is peer reviewed

2. How to link your google scholar account to U of T Libraries (and find more full text)!

3. How to manage your references and bibliographies

4. Resources for getting additional help with searching

- 1) Remember this is not your final literature review! This is a first step to learn more about your topic/ narrow it down

- 2) Sources like google, Wikipedia, encyclopedias, are okay here! What we are trying to do is to specify and define our topics for the literature review

- 3) See below for some additional suggestions:

THANKS!

We welcome your feedback and questions!

bit.ly/ar360checklist