

Slide 1 - Designing Accessible Media: Part 3: Assignment 5 Details

Designing Accessible Media: Part 3: Assignment 5 Details



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Welcome to the last part of the Designing Accessible Media lecture. This one ties the first and second parts together to a process you can use for assignment five and beyond.

Slide 2 - For individual assessment - Assignment 5

For individual assessment - Assignment 5

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- Choose website, PDF or video
- **Guidelines** = modified WCAG standards
(match overarching guidelines/sub-guidelines)
- **Principles** = POUR principles
- Provide example(s) for non-adherence
- More details = **annotated screenshots**

GIT 598 Designing for Accessibility

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You may notice that the process for assignment 5 is much like the process for assignment 4a in that you'll choose a product. In this assignment, however, you choose your own.

We'll be using the guidelines from WCAG in addition to modified WCAG success criteria. These match the overarching guidelines and sub-guidelines from past lectures, which means the success criteria will align with the overarching guidelines of color, text alternative typography, logical structure, and plain language, in addition to a few new ones. Use the sub-guidelines to help you assess each WCAG standard.

Of course, we'll be using the POUR principles because they're part of the WCAG guidelines.

Also, for the assignment, you will provide examples for non-adherence. I mentioned in the second part of this lecture that you are going to give examples for it. Well, if it passes, then you just state it passes. If it fails, you need to give a brief explanation as to why it fails and examples where it fails.

Then you're going to provide, annotated screenshots to show where those issues are and what success criteria they are failing.

Slide 3 - Assessment guidelines > color

Assessment guidelines > color

Overarching sub-guidelines

- acceptable color contrast
- emphasis not represented by color alone
- no excessive color usage
- no excessive pattern usage
- text overlaying image not obscured



Matching WCAG guideline:

1.4 Distinguishable

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First, I want to address the modified WCAG guidelines because the modified part is based on the overarching guidelines and sub-guidelines from the course.

So the overarching guideline of color has the sub-guidelines of acceptable color contrast, emphasis not represented by color alone, no excessive color usage, no excessive pattern usage, text overlaying an image is not obscured, and any additional ones you've found that match color.

The WCAG guideline that does match these sub-guidelines is 1.4 distinguishable. And since the guideline starts with a one, that means it falls under perceivable.

Slide 4 - Assessment guidelines > text alternatives

Assessment guidelines > text alternatives

Overarching sub-guidelines

- meaningful alt text
- complex images = long descriptions
- text accessibility of documents (PDF)
- videos = captions and/or transcripts
- accuracy of captions and/or transcripts



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Matching WCAG guidelines:

- 1.1 Text Alternatives
- 1.2 Time-based Media

For the text alternatives overarching guideline, the sub-guidelines include meaningful alt text, complex images should have long descriptions, text accessibility of any documents, that means PDF, spreadsheet, slide deck.

Videos should have captions and or transcripts.

And the accuracy of the captions and or transcripts needs to be as close to a hundred percent as you can get.

The matching WCAG guidelines for these are 1.1 text alternatives and 1.2 time-based media. Again, because these start with one, they fall under the perceivable principle.

Slide 5 - Assessment guidelines > typography

Assessment guidelines > typography

Overarching sub-guidelines

- consistent typography hierarchy
- legible typeface
- appropriate typeface for body text
- legible font size
- readable font families
- sufficient leading
- sufficient paragraph spacing
- appropriate text alignment



Matching WCAG guideline:
1.4 Distinguishable

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For typography, the overarching sub-guidelines are a consistent typography hierarchy, legible typeface, appropriate typeface for body text, a legible font size and readable font families, sufficient leading and paragraph spacing in the text, and appropriate text alignment, plus any others that you have found.

The WCAG guideline that matches for typography is 1.4 distinguishable.

And, again, we're still within the perceivable principle.

Slide 6 - Assessment guidelines > logical structure

Assessment guidelines > logical structure

Overarching sub-guidelines

- proper content hierarchy
- logical reading order
- acceptable keyboard accessibility
- consistent navigation



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Matching WCAG guidelines:

- 1.3 Adaptable
- 2.1 Keyboard Accessible
- 2.4 Navigable
- 3.1 Readable
- 3.2 Predictable
- 3.3 Input Assistance
- 4.1 Compatible

Logical structure sub-guidelines include having a proper content hierarchy, a logical reading order, acceptable keyboard accessibility, and consistent navigation in addition to any you found during assignment two.

These guidelines span all of the four principles, so perceivable, operable, understandable, and robust because we have 1.3 adaptable, 2.1 keyboard accessible, 2.4 navigable, 3.1 readable, 3.2 predictable, 3.3 input assistance, and 4.1 compatible.

Slide 7 - Assessment guidelines > plain language

Assessment guidelines > plain language

Overarching sub-guidelines

- simple, common word choices
- active voice used
- no double negatives
- abbreviations and acronyms explained
- proper literacy level for audience
- appropriate sentence and paragraph sizes



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Matching WCAG guidelines:

- 3.1 Readable
- 3.2 Predictable

Plain language sub-guidelines include using simple and common words, use active voice, avoid double negatives, avoid abbreviations or acronyms unless they are first explained, have proper literacy level for the audience, so know your audience, and appropriate sentence and paragraph sizes.

Plain language lives within the understandable principle because we have the guidelines of three understandable principle because we have the guidelines of 3.1, readable and 3.2 predictable.

Slide 8 - Perceivable + modified WCAG criteria

Perceivable + modified WCAG criteria

Content presented so users can **perceive** with available senses



+ modified WCAG criteria:

- 1.1.1 Text Alternatives
- 1.2.1 - 1.2.3 (video and audio)
- 1.3.1 Info and Relationships
- 1.3.2 Meaningful Sequence
- 1.3.3 Sensory Characteristics
- 1.4.1 Use of Color
- 1.4.2 Audio Control

So how do we combine all of this?

One way is to take a look at the principle and then the modified criteria that falls under each one of those principles.

So for perceivable, remember, it's content presented so users can perceive with available senses. And note that the criteria listed here is for websites only. In the assignment are three different types of criteria or three different lists of criteria, and those are based on if it's a website, a PDF, or a video.

So for websites, the modified WCAG criteria include one point one text alternatives, 1.2.1, 1.2.2, and 1.2.3, all of which have to do with video or and or audio. And then we have 1.3.1, which is information and relationships, 1.3.2 is meaningful sequence, .3.3 sensory characteristics, 1.4.1 use of color, and 1.4.2 audio control.

Slide 9 - Operable + modified WCAG criteria

Operable + modified WCAG criteria

Interface and interactive elements **operable**, including with assistive technologies



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+ modified WCAG criteria:

- 2.1.1 Keyboard
- 2.1.2 No Keyboard Trap
- 2.1.4 Character Key Shortcuts
- 2.2.2 Pause, Stop, Hide
- 2.3.1 Three Flashes or Below Threshold
- 2.4.1 - 2.4.4 (navigation)
- 2.5.1 - 2.5.4 (input modalities)

Operable is the interface and the interactive elements are operable with technologies, including assistive technologies.

And the modified criteria are 2.1.1 keyboard, 2.1.2 no keyboard traps, 2.1.4 character key shortcuts, 2.2.2 pause, stop, hide; 2.3.1, three flashes or below threshold, 2.4.1 through 2.4.4, all of which have to do with navigation, and 2.5.1 through 2.5.4, which have to do with input modalities.

Slide 10 - Understandable + modified WCAG criteria

Understandable + modified WCAG criteria

Interface and content
understandable to users,
behaves the way users
expect



+ modified WCAG criteria:

- 3.1.1 Language of Page
- 3.2.1 On Focus
- 3.2.2 On Input
- 3.3.1 Error Identification
- 3.3.2 Labels or Instructions

Understandable means that the interface and the content is understandable to the users, and it behaves the way that users expect.

So the modified WCAG criteria that match that include 3.1.1 language of page, 3.2.1 on focus, 3.2.2 on input, 3.3.1, error identification, and 3.3.2 labels or instructions.

Slide 11 - Robust + modified WCAG criteria

Robust + modified WCAG criteria

Content and interface
robust enough for
compatibility with current,
future technologies



+ modified WCAG criteria:

4.1.2 Name, Role, Value



And finally, we need to make sure the content and the interface is robust enough to be compatible with current and future technologies, and then and that includes accessible technologies. And there's just one lone little WCAG criteria that matches this, and it's 4.1.2 name, role, and value.

Again, these are for web products. Check the assignment instructions for the full lists of criteria based on what type of cross media product you chose.

Slide 12 - WCAG level and version

WCAG level and version



Mid-Range

- Most common issues
- Minimum 4.5:1 contrast ratio
- Consistent navigation
- Clear heading structure in logical order



Pass or Fail for specific criterion (SC)

- Pass = state it passes
- Fail = brief explanation
- Fail = **annotated screenshots** with example(s) showing where and why it fails



For assignment five, we are going to be working with a specific level and a specific version of WCAG.

As discussed in part two of the lecture, WCAG has different levels and versions. We'll be working with level double A, which is the most common accessibility issues, and we'll be working with WCAG 2.2.

For this assignment, you're going to be looking at each of the success criteria and deciding if it passes or fails. Does the website, does the PDF, does the video pass? Then you state that it passes. If it fails, you state that it fails and provide a brief explanation.

Where you're going to get into more detail with the fails is in the annotated screenshots. This is where you're going to show examples of where that criterion is failing and why.

Slide 13 - Check module for more Assignment 5 information

**Check module for more
Assignment 5 information**



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Thank you so much for listening to this very, very long lecture!

I'm hoping that this third part provided some insight into what I would be looking for for assignment five, and there is much more information about the assignment in the modules, so please be sure to check that out and ask questions if anything is unclear.