

Accessibility Checker and Remediation Aid

Panorama

The Office of Distance Education provides support and assistance with remediating your instructional materials for accessibility. Panorama is a software tool, integrated into Canvas that not only checks for accessibility, but it also aids with remediation.



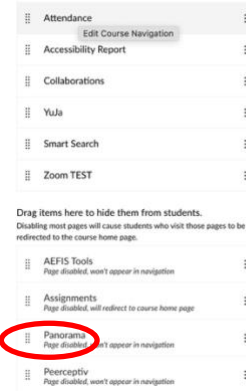
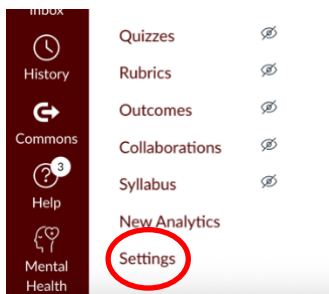
Panorama is an innovative tool designed to enhance digital accessibility by providing comprehensive accessibility checks and remediation assistance. This tool aims to ensure that digital content is accessible to all users, including those with disabilities, by identifying accessibility issues and offering solutions to address them.

Before using Panorama, it's a good idea to see what issues can be resolved with this tool. It will not fix every accessibility issue. This information can be found on Yuja's webpage [Accessibility Issues That Can Be Resolved With Panorama](#).

In Canvas:

Enable Panorama in your course(s):

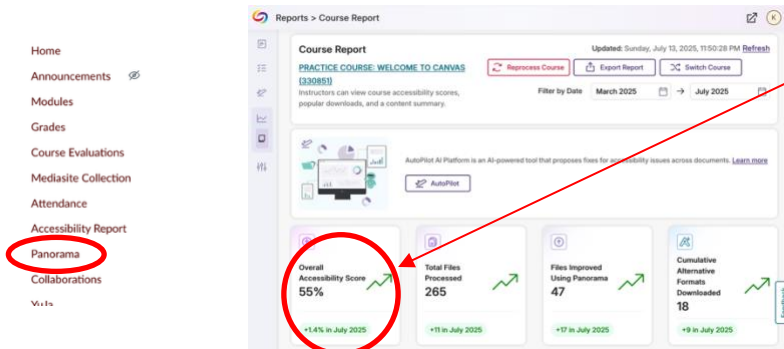
On the course navigation menu, click Settings, then click the Navigation tab. The navigation options will be divided into two sections: The top section will be those items visible to students on the Course Navigation Menu and the bottom section will list those hidden from students. In the bottom section, locate Panorama (you may have to scroll down to find it); click on the 8 dots and drag it to the top section or click the 3 dots to the right of the tool name and select Move; then scroll all the way to the bottom of the screen and click **Save**.



Panorama will now be active and listed on the Course Navigation Menu.

Access the Panorama Course Report:

Click on Panorama in the Course Navigation Menu.

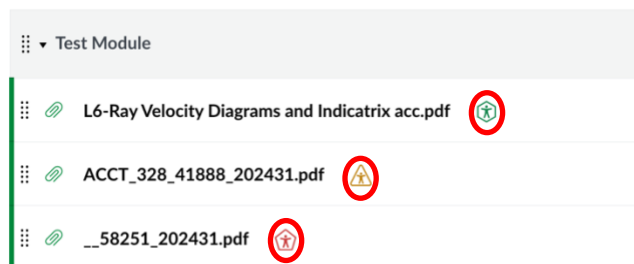


Overall Accessibility Score for this course. The goal is 100%.

More information is available by scrolling down.

Accessibility Score:

To see the accessibility scores of individual files:
Go to Modules (or Files). Next to the filename, you will see the Panorama Accessibility Symbol (red octagon, gold triangle, or green hexagon). Students will only see the blue Accessibility Symbol in a circle.





Red Octagon: Severe accessibility issue(s). Score Range: 0-30%



Gold Triangle: Moderate accessibility issue(s). Score Range: 30-80%



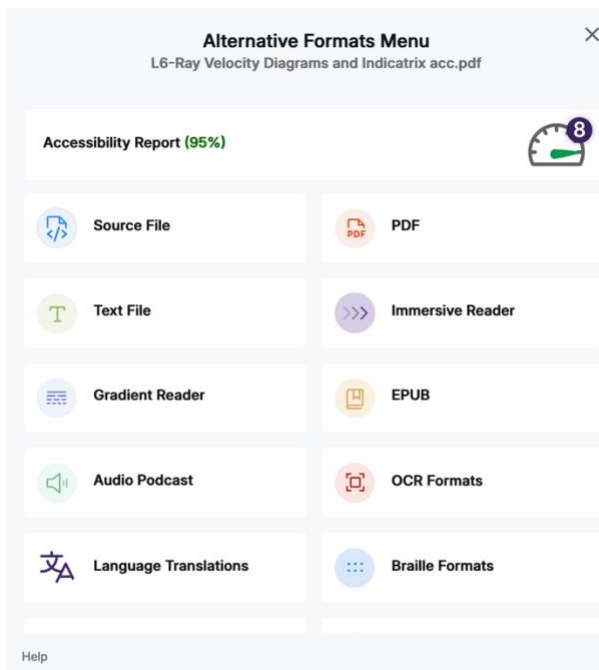
Green Hexagon: Minor accessibility issue(s): Score Range: **80-100%**



Blue Circle: Symbol seen by students.

Click on the Accessibility Symbol to access the Alternative Formats Menu and Accessibility Report.

Alternative Formats:



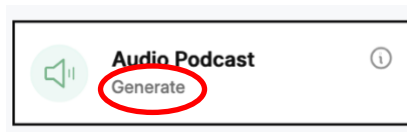
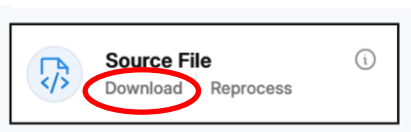
Alternative Formats Menu options: These options can be generated by students or faculty but does **NOT** fix accessibility issues with the file, these options make the file available in different formats.

- Source File – allows students to download the file from the Alternative Formats window.
- PDF – will convert the file to a PDF.
- Text File – will convert the file to a plain text file.
- Immersive Reader – Allows for customizations to text preferences, grammar options, and reading preferences while following along with the audio playback.
- Gradient Reader - Enhances visual word recognition when reading by providing a guiding color gradient.

- EPUB – (download) View the document in the ebook format, suitable for any ebook reader application.
- Audio Podcast – (opens in a new tab in your browser/can be download) Audio playback for documents, suitable for both online and download listening.
- OCR Formats - Convert images with text into machine-encoded text that can be searched and read by screen readers.
 - OCR Overlaid Tagged PDF - Generate a tagged PDF that allows for selectable text overlaid on the original document that is searchable.

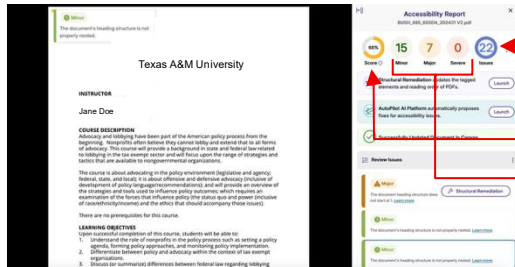
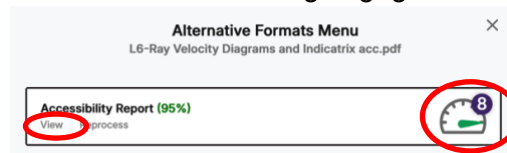
- OCR Reconstructed DOCX - Generate a brand new DOCX file from the scanned documents or images.
- OCR Reconstructed Tagged PDF - Generate a tagged PDF from scanned documents or images. This option rebuilds the document for better readability and accessibility.
- OCR Reconstructed HTML - Generate an HTML file from scanned documents or images. This option can be used to convert a PDF to a Canvas page.
- OCR Text - Recommended for those who'd like plain text, the OCR tool will extract and display text within images and GIFs as a TXT file.
- OCR Immersive Reader – see Immersive Reader (above).
- OCR Gradient Reader – see Gradient Reader (above).
- OCR Audio - Extract text within images and GIFs into an MP3 text-to-speech audio player.
- OCR Semantic Text - extract and display text within images and GIFs as a TXT file.
- OCR Semantic Audio - Generates audio, allowing you to hear details like rows, columns, and bullet points, providing an auditory representation of the visual format.
- Language Translations – convert document to over 100 language options that can be downloaded. This option can be turned off at the course level for foreign language courses.
- Braille Formats - view the document in the braille grade 2 format, suitable for download viewing (a braille reader is required).
 - Braille Grade 2 (BRF)
 - Braille Grade 2 (UEB)
- Math Formats
 - LaTeX - Convert documents into LaTeX document format.
 - Math Immersive Reader
 - Math Text - Convert documents into printed English, including numbers and symbols.
 - Math Audio - Convert documents to MP3.
 - MathML - Extract mathematical equations from documents and convert them into HTML files.

When you hover on an option, you will see the option to Download or Generate the specific Alternative Format file. Once generated, the alternative format file can be downloaded and/or viewed.



Accessibility Report:

To access the Accessibility Report, hover on the word Accessibility Report to see the View option and click it or click the icon of a gas gage.



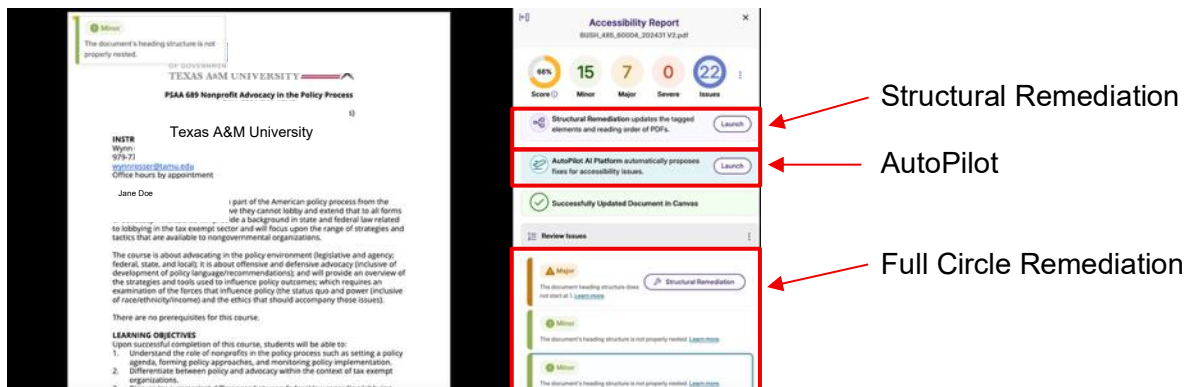
The Accessibility Report provides detailed information about the accessibility issues with the file, such as:

- Accessibility Score
- Type of issue: Minor, Major, Severe
- Total Number of Issues

Remediating Your Files:

To remediate (fix) the accessibility issues, there are 3 tools available to assist:

- Full Circle Remediation: Manually add fixes for accessibility issues.
- Auto Pilot Remediation: An AI-powered tool that automatically proposes fixes for accessibility issues, which can be applied to your document.
- Structural Remediation: Helps users update headers, tagged elements and language selection.



Note: Structural Remediation and AutoPilot will appear only when issues they can resolve are present.

Order of Features for Remediation:

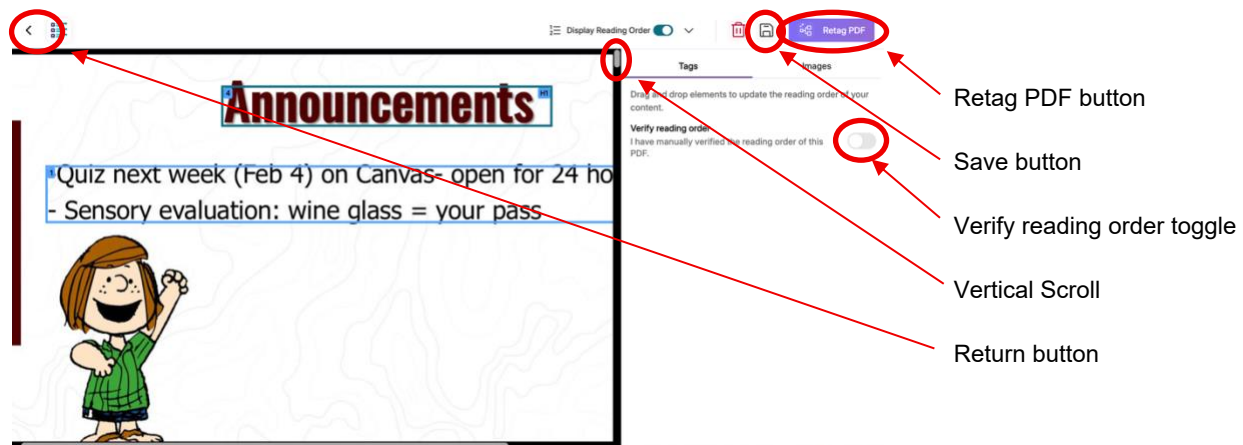
While you can use these features in any order, the following order is recommended.

1. Full Circle Remediation: In the Review Issues section, Full Circle Remediation identifies accessibility issues as severe, major or minor. For those issues that can be fixed with this feature, a Fix Issue button will be present. Click the button and follow the instructions. You

may also see a Check Issue button. This is present when an issue requires a manual review or user intervention. Click the button and follow the instructions. Once you have followed the instructions, click the Add Change button. The Window closes and the fix is added to the Update Document section, which will appear under the Review Issues section (you may need to scroll down to see it). Once all the issues have been addressed, click on the Apply Changes button. A window will open with the message “Updating Document” while the changes are applied. When complete, you’ll see a confetti canon shoot confetti across your screen.

Notes: For every item noted, you will see the link “Learn more.” This link opens a new window. At the top you will see two tabs: “How to Fix” and “What this Means.” How to Fix provides a video tutorial on how to fix the issue in the native application (for PDFs, you’ll need Adobe Acrobat Pro). What this Means provides information about the reason to fix the issue.

2. AutoPilot: Click the button to Launch AutoPilot. You’ll see an animated plane fly across your screen as it processes your file. When complete, the recommended fixes will be automatically added to the Update Document Section. Click on the Apply Changes button. A window will open with the message “Updating Document” while the changes are applied. When complete, you’ll see a confetti canon shoot confetti across your screen.
3. Structural Remediation: Click the button to Launch Structural Remediation. This option will highlight structural elements that need to be verified or fixed (i.e., headers, reading order, language) and provide instructions on how to apply the fix. The Accessibility Report window will change to the Remediation window and display the document in the main section with elements in boxes with the reading order (number) in the upper left corner of the box and the style in the upper right corner of the box (i.e., Heading 1=H1 in the image below). To advance to the next page of the document, click and drag the vertical scroll bar to the left of the instructions. Once you have reviewed and fixed the reading order for each page of the document, click to turn on the Verify reading order toggle.



From this window, you can also retag a PDF. Use this option with caution. It will completely replace all the tags in your document, even if you have already made changes to the tags. If you use this option, you will need to make those changes again.

Once you have made all the structural changes, click on the save icon (floppy disk). A window will open with the message “Updating Document” while the changes are applied. When complete, you’ll see a confetti canon shoot confetti across your screen. To return to the Accessibility Report, click the Return button.

To close the Accessibility Report, click the X in the upper right corner. To close the Alternative Formats window, click the X in the upper right corner.

Once fixed, Panorama replaces the inaccessible file in Canvas with the new file automatically. The inaccessible file is saved in Panorama for one year and can be restored using the version history.

Note:

****Please note: Not all accessibility issues can be fixed with Panorama. You may need to return to the native application to fix remaining issues (i.e., Adobe Acrobat Pro to fix PDFs).****

Additional Resources:

[Accessibility Issues That Can Be Resolved With Panorama](#) (vendor article)

[Getting Started with Panorama for Instructors in Canvas](#) (vendor article)

[Adding Alt-Text to Image Files in Canvas Using Panorama](#) (vendor article)

[How to Use AutoPilot for Proposing Accessibility Fixes](#) (vendor article)

[Panorama's Accessibility Checklist](#) (vendor article)

[Panorama: Viewing and Understanding a File's Accessibility Score](#) (Yale University)

[Yuja/Panorama Help Center](#) (vendor)

For additional assistance, the Panorama Help Center is available 24/7 at 888-257-2278. Additionally, you can contact the Office of Distance Education (digitalaccessibility@tamu.edu).