



Association on
Higher Education
And Disability®

Empowering Access without Compromising Integrity

with Jennifer Murchison and Ben Henderson-Palmer



Feb 12th 2025 | 3:00 - 4:00pm (ET)

Meet our speakers



Jennifer Murchison

Executive Director for Universal Access
and Inclusion & ADA Coordinator
California State University – Sacramento



Ben Henderson-Palmer

Head of Partnerships
Tailo



Key takeaways



Understanding our obligations when it comes to empowering access



Practical strategies for using AI as an addition to an accommodation tool



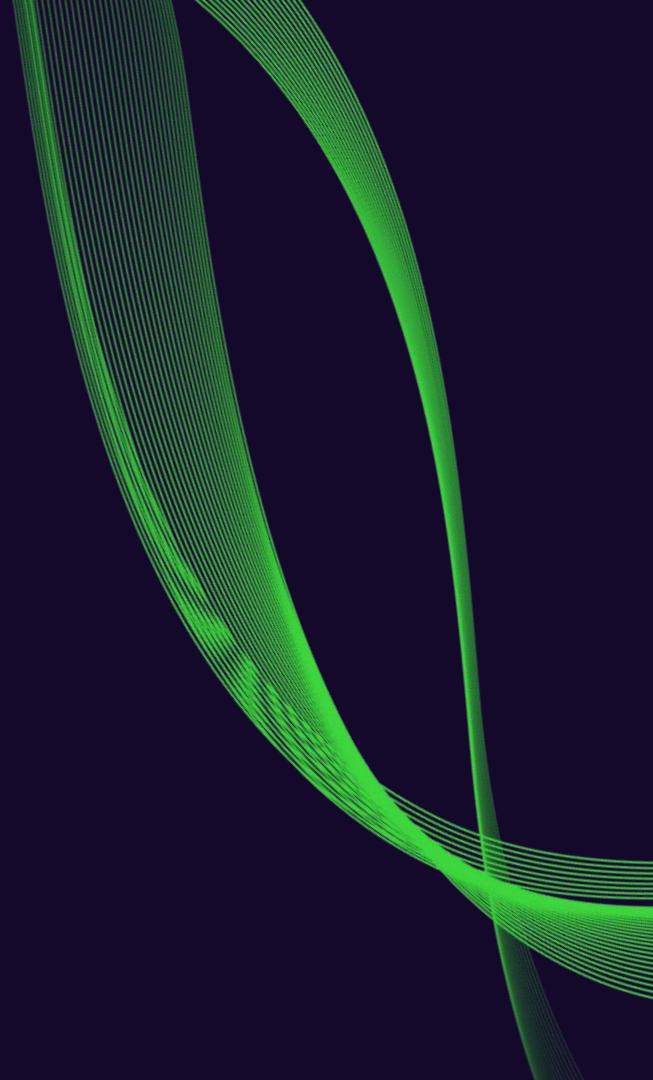
Differentiating between ethical uses of AI and practices that may compromise academic integrity



How AI tools such as Tailo promote efficiency in reading through AI implementation, and support accessibility and inclusion needs

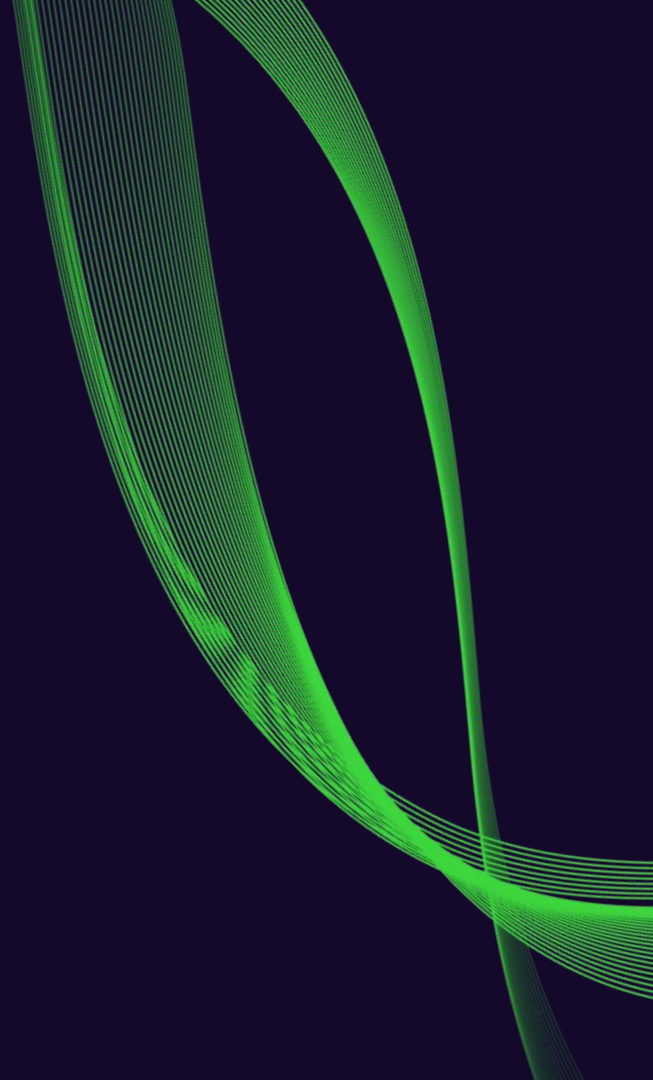
Our obligations

- Protect the students' civil rights
- Engage in interactive processes with students and faculty, program directors
- Education of policies and procedures
- Guidance on navigating higher ed processes and expectations



Interactive Process

- Conversation with student(s) about their access needs, requests for academic accommodations
- Review syllabus and assignment instructions/directions
- Expectations of course assignments, course as a whole
- Expectations of program and degree requirements
- Rubrics and metrics for assignments, standardization exams, essential requirements for graduation, certification completion



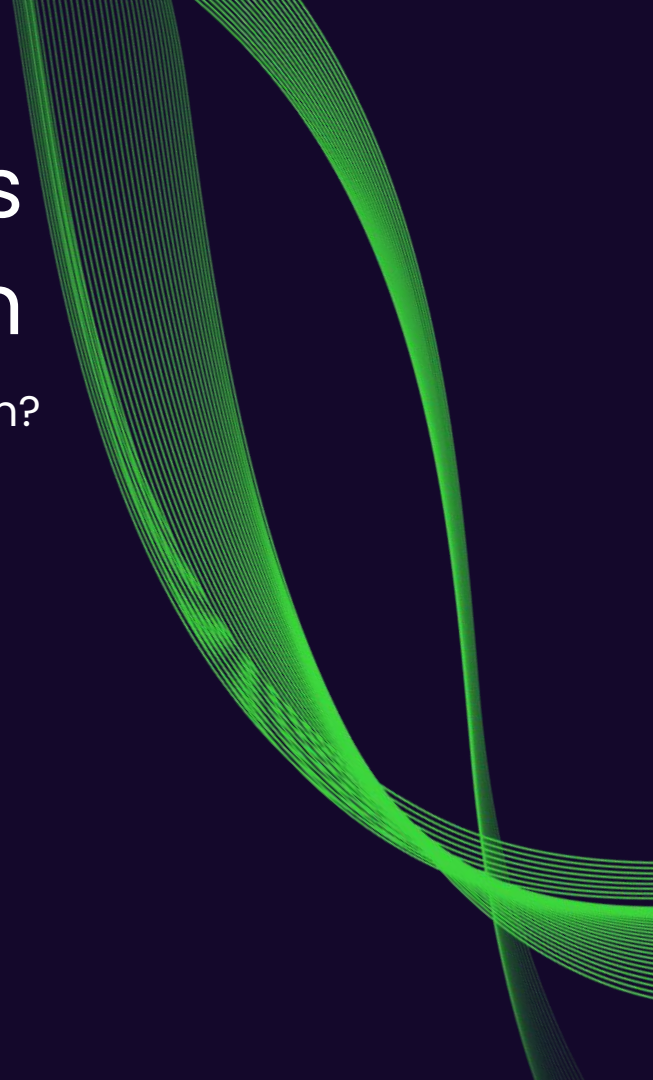
Determining Role(s) of AI as Academic Accommodation

- When might it be requested as an accommodation?

- Processing information from reading(s)
- Pull key points/talking points for study guides
- Creating outlines of essays, papers, correspondence
- Drafting essays, papers, correspondence
- Quick calculations
- Correcting grammar and spelling errors

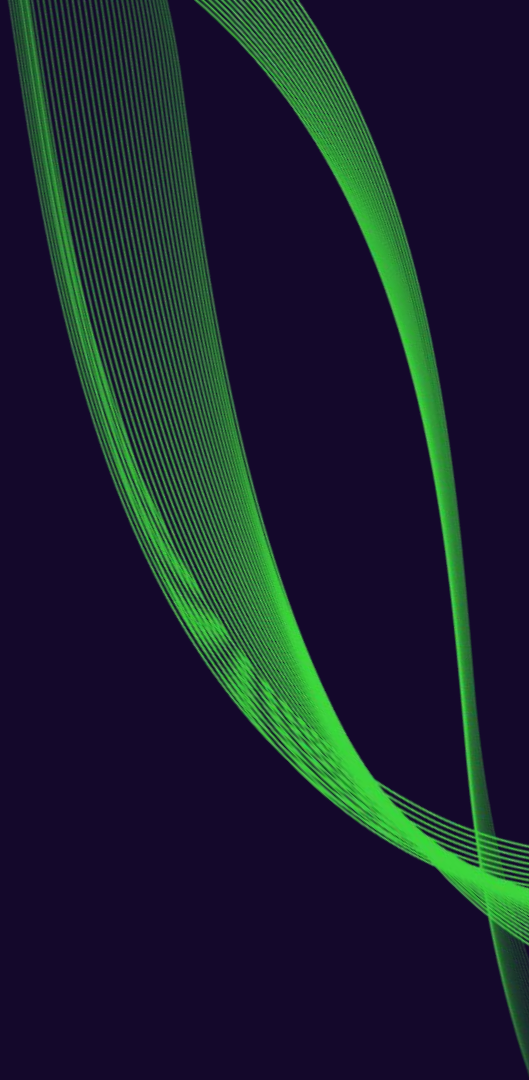
- Examples of AI/technology used

- Calculator
- SpellCheck/GrammarCheck
- Search engines
- Composition tools



Administrative Responsibilities as it relates to AI and use in Academic Accommodations

- Identify the ways in which AI is utilized in academic programs
- Identify the ways in which students are using AI
- Identify the ways AI can be embraced
- Identify policies for responsible use of technology
- Create policies if they do not currently exist (they should!!)





How Tailo makes content
more accessible for
neurodivergent students



**THIS
STUDENT
NEEDS __***



Did you know that
56% of PDFs are
inaccessible?

Unlike Tailo, other summarisation tools are limited when it comes to extracting PDF content.



The Americans with Disabilities Act (ADA) is changing.

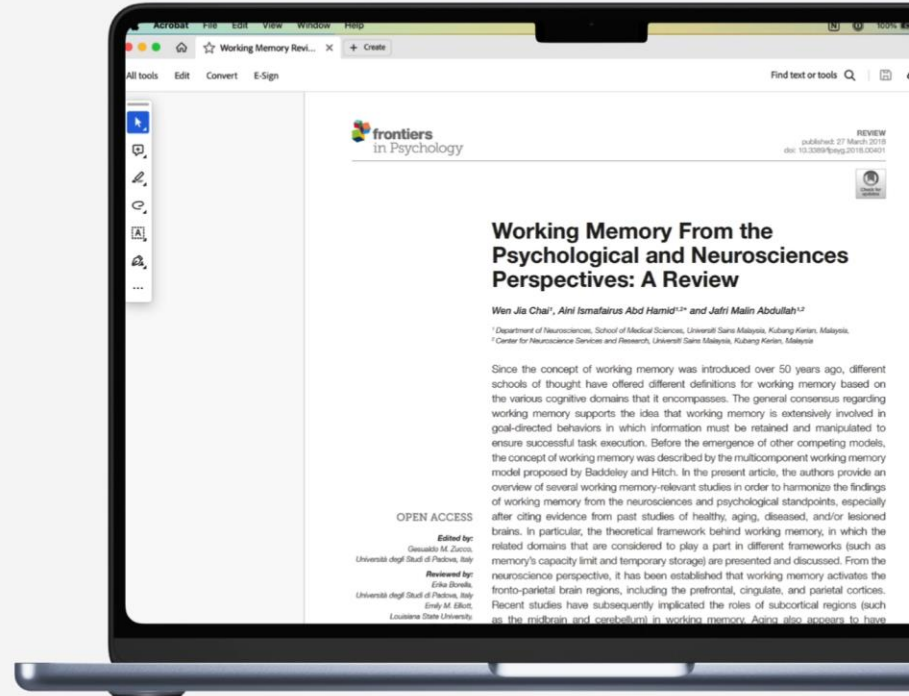
It's Title II regulations means that all state and local governments, and third-party contractors, must ensure that web content and mobile apps are accessible to people with disabilities, complying with WCAG 2.1 A/AA standards.




Tailo sets out to make all content accessible, and is a step towards creating inclusive and accessible documents in line with the Title II ADA update.

Custom Extraction Technology


Tailo can help quickly transform documents to meet WCAG 2.1 AA standards. Tailo pull out the text, images, tables and charts from a piece of content and transforms it into a new, tailored, easier-to-read format, without losing any core information.



Content Extraction In Action

 **frontiers**
in Psychology

REVIEW
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Working Memory From the Psychological and Neurosciences Perspectives: A Review

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Since the concept of working memory was introduced over 50 years ago, different schools of thought have offered different definitions for working memory based on the various cognitive domains that it encompasses. The general consensus regarding working memory supports the idea that working memory is extensively involved in goal-directed behaviors in which information must be retained and manipulated to ensure successful task execution. Before the emergence of other competing models, the concept of working memory was described by the multicomponent working memory model proposed by Baddeley and Hitch. In the present article, the authors provide an overview of several working memory-relevant studies in order to harmonize the findings of working memory from the neurosciences and psychological standpoints, especially after citing evidence from past studies of healthy, aging, diseased, and/or lesioned brains. In particular, the theoretical framework behind working memory, in which the related domains that are considered to play a part in different frameworks (such as memory's capacity limit and temporary storage) are presented and discussed. From the neurosciences perspective, it has been established that working memory activates the fronto-parietal brain regions, including the prefrontal, cingulate, and parietal cortices. Recent studies have subsequently implicated the roles of subcortical regions (such as the midbrain and cerebellum) in working memory. Aging also appears to have modulatory effects on working memory; age interactions with emotion, caffeine and hormones appear to affect working memory performances at the neurobiological level. Moreover, working memory deficits are apparent in older individuals, who are susceptible to cognitive deterioration. Another younger population with working memory impairment consists of those with mental, developmental, and/or neurological disorders such as major depressive disorder and others. A less coherent and organized neural pattern has been consistently reported in these disadvantaged groups. Working memory of patients with traumatic brain injury was similarly affected and shown to have unusual neural activity (hyper- or hypoactivation) as a general observation. Decoding the underlying neural mechanisms of working memory helps support the current theoretical understandings concerning working memory, and at the same time provides insights into rehabilitation programs that target working memory impairments from neurophysiological or psychological aspects.

Keywords: working memory, neurosciences, psychology, cognition, brain, central executive, prefrontal cortex, review

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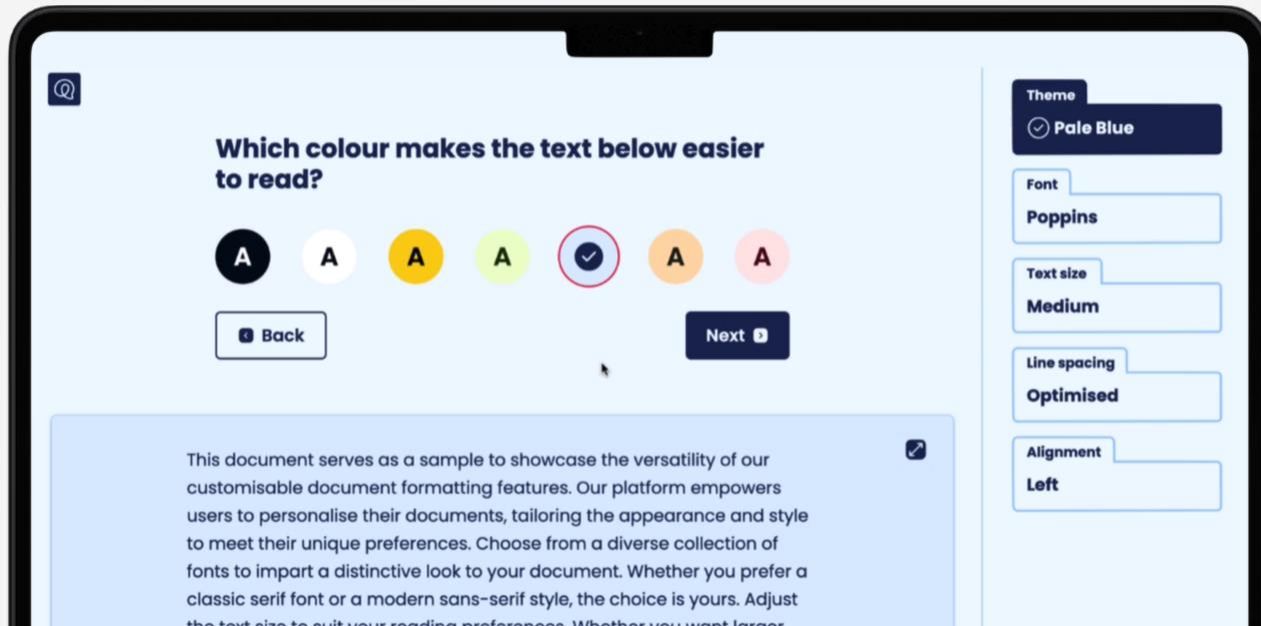
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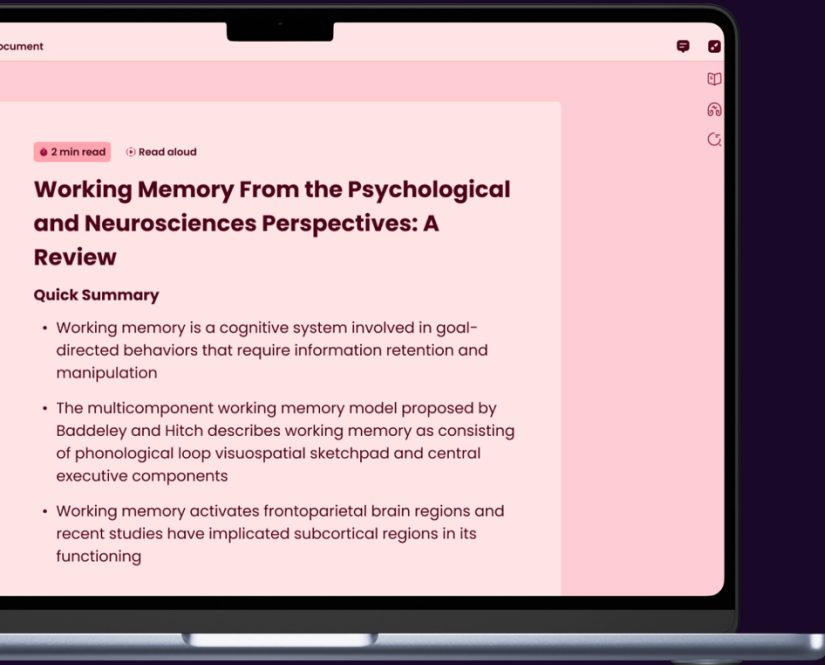
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Fully Customised Reading

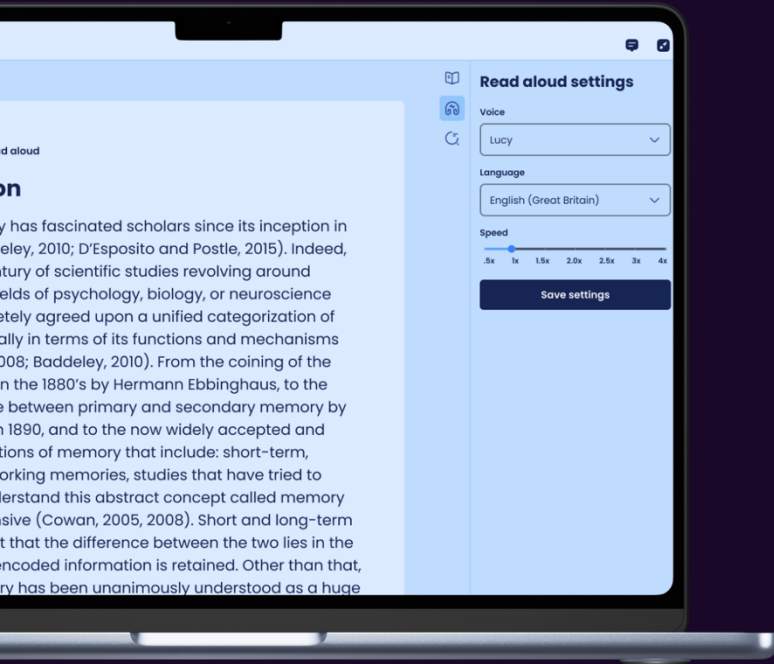
Tailo's fully adaptable visual reading environment empowers students with choice, selecting from colour overlays to alternative fonts and more.





Tailored Content Summaries


Tailo's Quick Summaries gives students instant insight into a piece of content, pulling out the main points and key takeaways. Easily refer to the overview at any time, offering stability and reassurance.

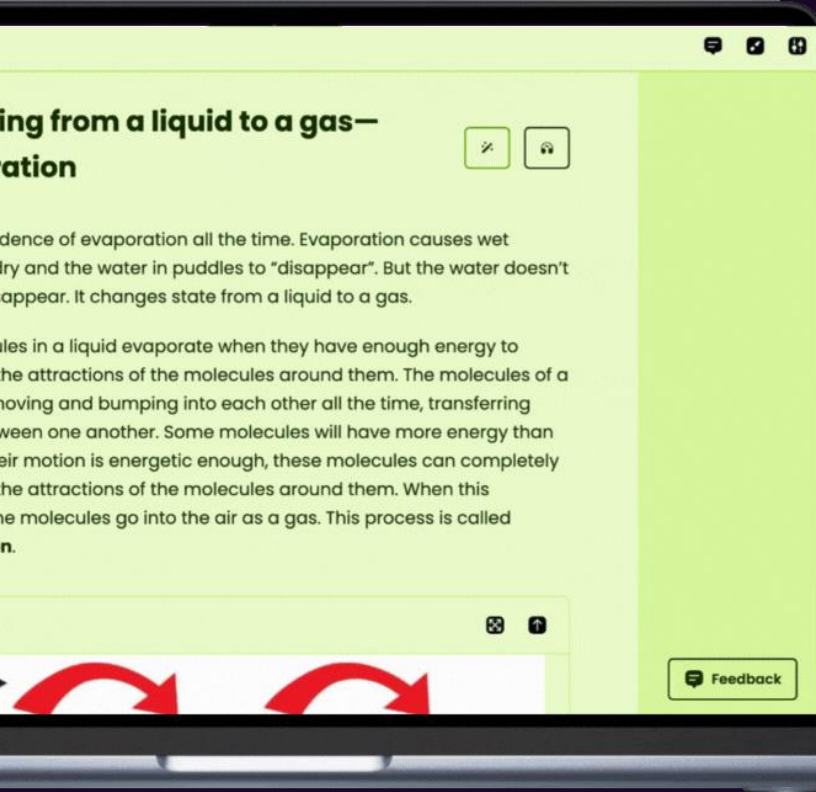


Multi-sensory reading

With Tailo's text-to-speech, neurodivergent students can listen to their course materials, improving comprehension.



Listen to one of Tailo's Voices 



Explained the way you understand it

Students engage directly with their documents, easily having new concepts explained in a way they understand best.

We take student feedback seriously.



"You learn a lot from the summaries. It gives me an idea of what's happening in the paper, and then I can go through and identify what the argument is"



"Before Tailo, I'd ask ChatGPT to summarise things for me. Now, it's just there, and it's so useful."

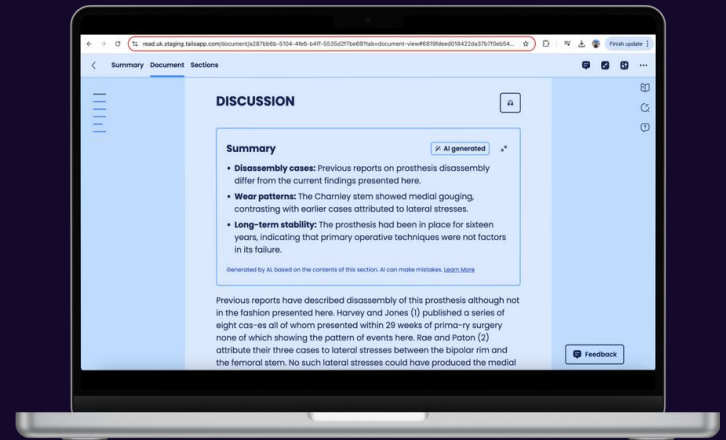


"It would be really useful to have a summary at the end of each section. Maybe at the end, and then I could go back and see what's relevant."



"Maybe having summaries of each section could help me get to the key points for specific parts."

You asked, we delivered: Taking summarisation to the next level.



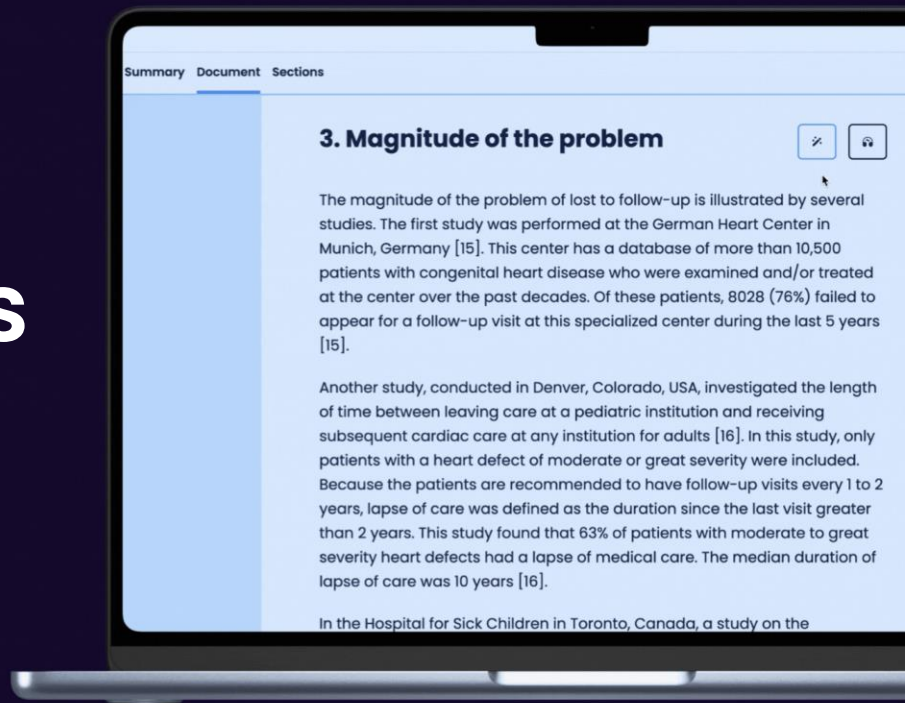
From chaos...

To clarity.



Section Summaries

We've taken summarisation to the next level. Save time and grasp key concepts without re-reading.



“Tailo has allowed students to listen to their readings in a quick and easy manner that allows them to instantly learn. Students have given us very positive feedback regarding the app and how straight forward it is to use.”



Mauricio Saldana
Assistive Technology and Alternative Format Coordinator
University of Southern California





How you can unlock **free access** for students in higher education

If you become a Tailo expert, we'll sign you up to our Pilot Program for FREE, giving you the opportunity to shape future Tailo features with your students.

All we ask for in return is your honest **feedback!**

Join our community of experts today!





Association on
Higher Education
And Disability®

Thanks for joining!

