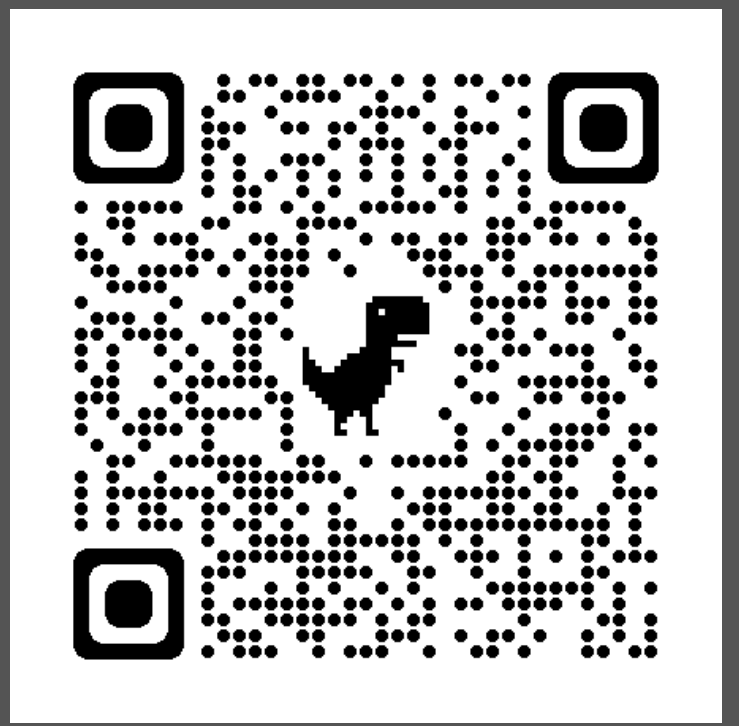# Lite Lingo

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Scan to visit website

What is Lite Lingo?

A plain text translator to help individuals with learning disabilities.

Our Google Chrome extension:
- Simplifies complex text into plain language.
- Serves as a filter to enhance the validity of each response.

Why is Lite Lingo Needed?

Firsthand accounts from people with dyslexia, hyperlexia, and aphantasia underscore the challenges in handling complex text. We want to address these obstacles.
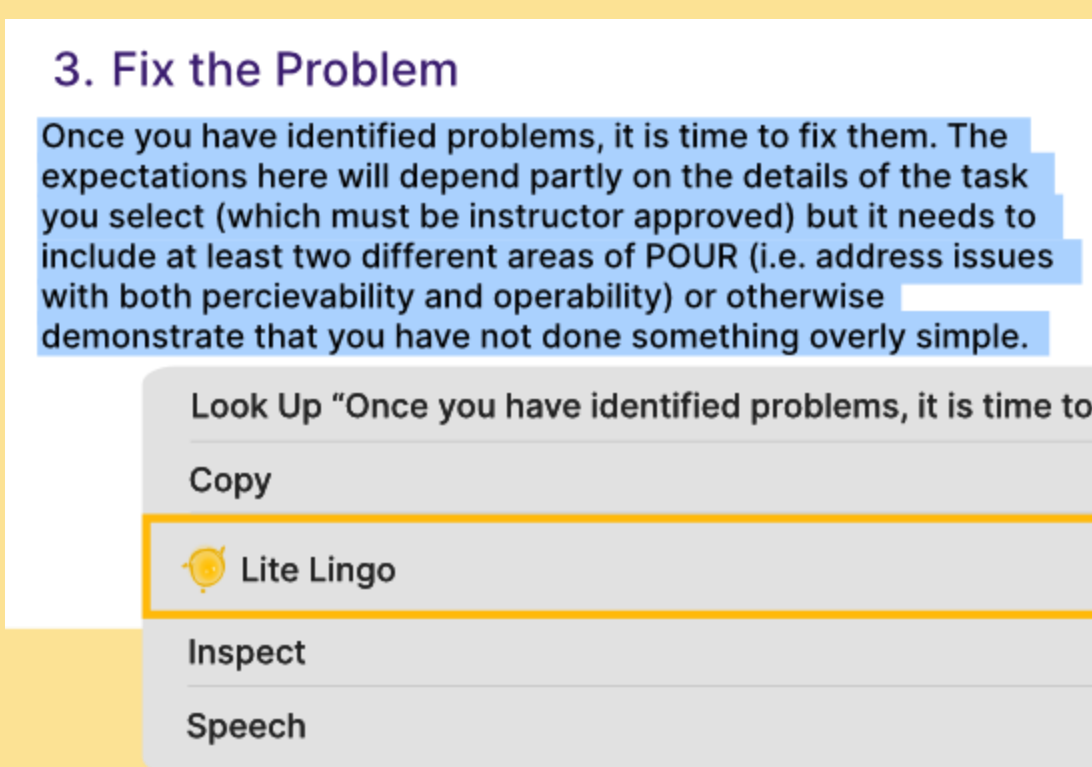
Disability justice championed through Intersectionality and Leadership:
- Recognize and support individuals with diverse learning disabilities, and respect complexities of each unique experience instead of enforcing conformity.
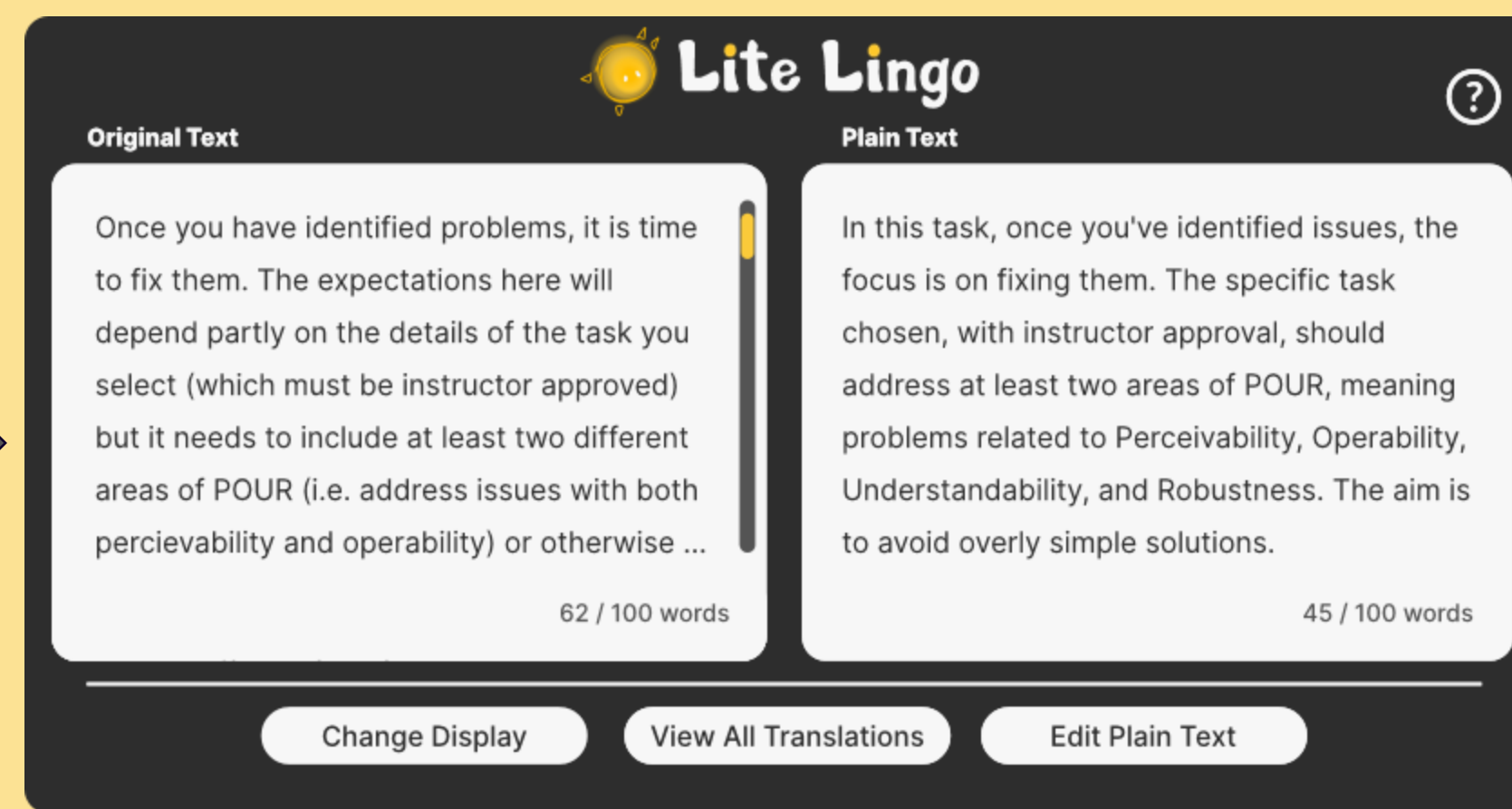
Logistics:
- Cost-effective - $0.0003 per thousand tokens.
- Streamlines plain language generation unlike existing solutions (e.g. Grammarly and Genius).
- Safeguards results from misuse by ill-intentioned users.
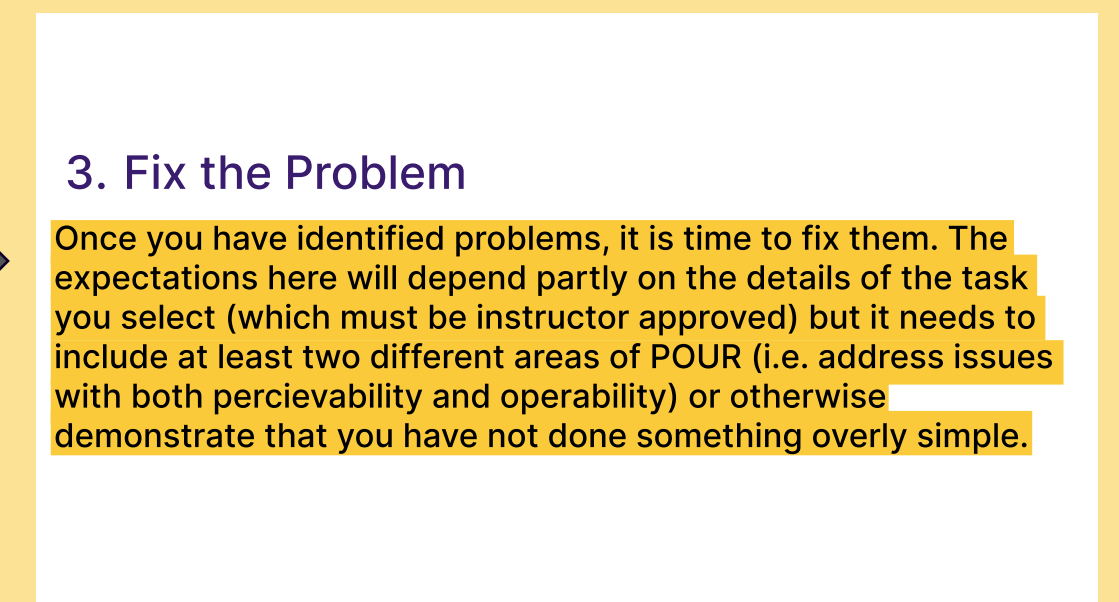
Technical Details of Lite Lingo

User highlights text and clicks on the Lite Lingo extension from the context menu.

The original text on the left panel and plain text translation on the right panel. From left to right the buttons are 'change display', 'view all translations', and 'edit plain text', respectively.

The paragraph that was translated by Lite Lingo is now highlighted in yellow, signifying a new annotation

Front End	Back end	Streamlined Process
• **Figma**	• **JavaScript**	• **Our tool transforms original website text through AI generation, undergoes crowdsource verification, and presents the refined plain text for improved comprehension.**
• **Hosted tool as Chrome Extension**	• **Node.JS**	
• **Accessible through Context Menu**	• **Chat GPT-3.5**	

How we validated Lite Lingo

- Assessed tool on 9 diverse texts (homework rubric, research PDF, online article)
- Ranked criteria within 3 plain language requirements
- Displayed performance results in a bar graph

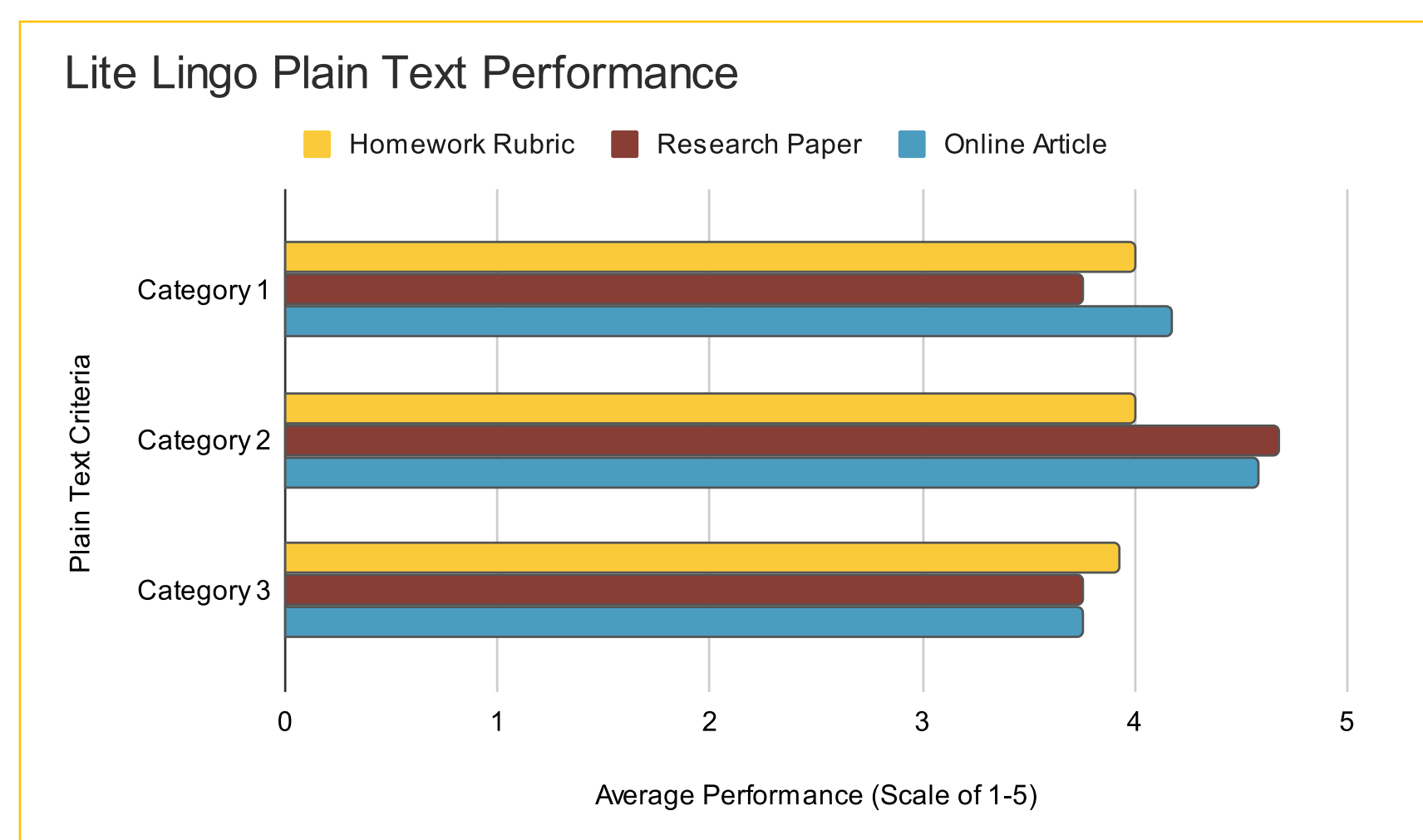WCAG Plain Text criteria

Category 1: Clarity and Positivity
- Use simple words
- Use positive language
- Use active voice
- Use present tense
- Use transition words

Category 2: Readability and Structure
- Use headers
- Use short paragraphs
- Use short sentences

Category 3: Simplicity and Illustration
- Avoid jargon
- Use examples

Self-evaluated data collected and analyzed by four team members. This tells us the general accuracy of how the extension complies with plain text criteria.

What we learned

Limitations
- Word limit for generated text
- AI-generated plain language issues
- Only text to text translations

Ask us about...

- Generating the prompt to deliver plain language text
- Future plans: multiturn processing for prompt, user feedback, storing community translations, and plain text image description generation