

Round 3

Inspiration

My younger cousins are very kind and bright kids. However, there is one thing that stands between them and their full potential - dyslexia. Dyslexia is a learning disorder that affects reading abilities, causing challenges with accurate and/or fluent word recognition, spelling, and decoding abilities. Despite affecting over 15% of the population in North America, there are few resources that help students to develop their reading skills online. ReadRover is an online reading tutor that listens to the students as they read and provides corrections.

Technical Documentation

- Code on github - <https://github.com/Peak-Potential-Programmers/genAIHackFinal>
- Run it using Python and Flask.
- Run ``pip install -r requirements.txt``
- Run ``flask run``
- Will open on your local browser
- You can type in your level of difficulty, and a 100-word paragraph will be generated
- Once generated, you can upload an audio recording
- Your audio recording will be transcribed using assembly.ai and converted to a text
- This can then be compared, and aids used.

List of Features

- Can generate a 100-word paragraph to read
- Allows for submission of an audio recording
- Transcription of speech to text
- Comparison of the transcribed text to actual text

Functionality



Reading Tool

Enter your reading level below. OpenAI will generate a script for you to read.

High School

Generate

Sure, here is a text appropriate for high school reading level: In the realm of literature, symbolism often plays a profound role in conveying the underlying themes and messages. For instance, in 'To Kill a Mockingbird', the mockingbird itself symbolizes innocence and goodness. The author, Harper Lee, uses the death of a mockingbird as a metaphor for the loss of innocence, portraying the harsh realities of a prejudiced society. This literary device adds depth to the narrative, allowing readers to delve beyond the superficial layer of the story and understand the profound societal commentary being made.

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Round 4

Final Pitch

Demonstration of the app.

Talk about dyslexia, the main reason we started and thought of this idea (round 3).