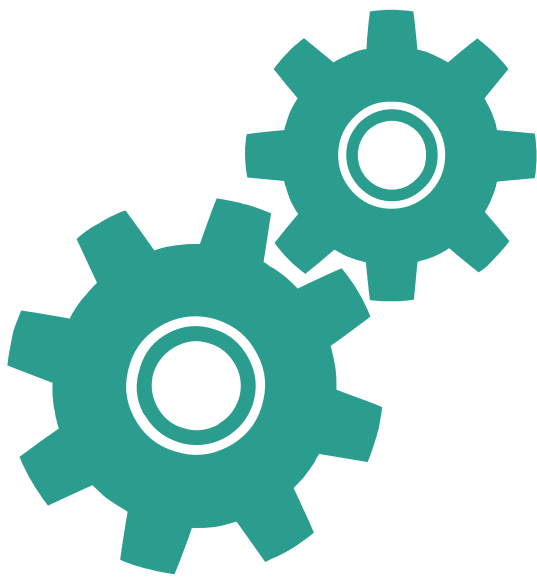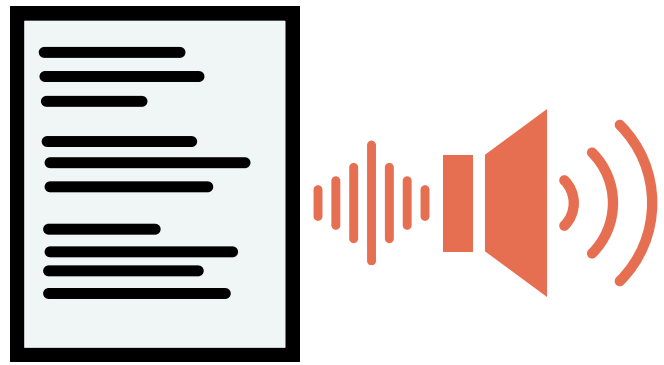# Text-to-speech Technology

What is the technology?

Text-to-speech is an assistive technology that enables users to read aloud digital text.

The technology is able to scan words on a digital device and is able to convert them into a computer generated audio.

Why was it developed?

The technology was developed to enhance inclusivity and make digital media accessible to end-users with visual impairments.

Along with that, the technology also helps in improving the learning experience of people with dyslexia.
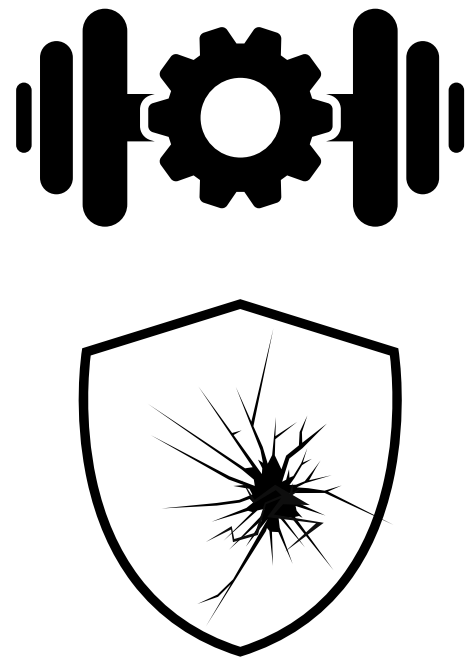
Strengths & Weaknesses

Strengths:
- Increased accessibility for the visually impaired
- Improved learning experience for people with learning/reading disorders.

Weaknesses:
- Lack of context and emotional expression
- Pronunciation challenges

Benefits that were not encompassed in the original intent

Although the text-to-speech was made primarily for the visually impaired and people with learning disabilities, the technology also helps in:
- Learning new languages
- Boosting productivity & multi-tasking

What population does it serve?

The text-to-speech technology serves various populations, such as
- Visually impaired individuals
- People with dyslexia and other learning disabilities
- Language learners

Infographic by: Nebiyou Ersabo