PDF Text-to-Speech Reader

Overview

This Python program is a **PDF Text-to-Speech Reader** that converts written PDF documents into spoken audio. Built using the `pyttsx3` text-to-speech engine and `PyPDF2` for PDF processing, it provides an accessible way to "listen" to PDF content rather than reading it visually.

Key Features

The program extracts text from PDF files and reads it aloud using your computer's built-in text-to-speech capabilities. It includes helpful features like progress tracking (showing which pages are being processed), text preview before reading, and user confirmation to ensure you want to proceed with the audio playback. The application is designed with a clean command-line interface that provides clear feedback through emoji-enhanced status messages.

How It Works

Simply run the program from the command line with a PDF filename as an argument (e.g., `python myreader.py document.pdf`). The program will extract all text from the PDF, show you a preview of the content, and ask for confirmation before beginning the text-to-speech reading. It's particularly useful for accessibility purposes, multitasking while consuming written content, or simply giving your eyes a rest while still absorbing information from documents.

The program includes robust error handling for common issues like missing files, unreadable PDFs, or TTS engine problems, making it reliable for everyday use