

Text2Speech

Overview

Text2Speech is a simple document editor and TTS converter. With this editor, It is possible to create, load, edit and store documents. Additionally, Text2Speech app provides a Text to Speech utility, which can record, convert and play audio lines from your document.

How to Run

In order to run this program, the following libraries must be added to the project:

1. **JDK 11**
(<https://www.oracle.com/java/technologies/javase-jdk11-downloads.html>)
2. **JavaFX 11.0.2**
(<https://gluonhq.com/products/javafx/>)
3. **ApachePOI 5.0**
(<https://poi.apache.org/>)
4. **ControlsFX 11.0.3**
(<https://github.com/controlsfx/controlsfx>)

If You run this application on **Eclipse or IntelliJ**, You can follow the documentation, in order to setup JavaFX 11:

<https://openjfx.io/openjfx-docs/>

Supported Documents

Currently, only 3 documents are supported:

1. Microsoft Word (**.docx**)
2. Microsoft Excel (**.xlsx**)
3. Text files (**.txt**)

Editor

Text2Speech editor makes it easy to view and edit the contents of a document. You can change the font size of the document very fast, with a slider. Also, It supports many different font families that suit your needs. Also, Shortcuts are added to menu buttons to speed up your workflow.

Excel Documents

You can easily create an Excel document:

- Rows are created by a newline character.
- Columns are created with a comma “,”.

Recording

Another cool feature of this editor is the ability to convert text to speech. To start the process of recording, first You need to enable **Recording** from the menu or press (**Ctrl + R**). Then, select a line that You want to convert to speech and press: **Recording/Convert to Speech**. You can convert and store to memory multiple lines.

Playing an Audio Sequence

After You convert some text to audio speech, You can go **Recording/Replay Sequence** to listen to the converted text lines. Before the application starts to “Speak”, You need to add a configuration of the voice. The app makes it easy to configure the voice settings with a simple dialog window. The configuration includes:

- Voice Selection
- Speak Rate
- Pitch
- Volume