

Introduction

This is a short documentation for GenerateWav.py, whose purpose is to create empty .wav files from a .xlsx file containing a digitized Basaa-French dictionary for alignment.

I've written it as a Research Assistant under Dr Fatima Hamlaoui at the University of Toronto from June to August 2018.

The code can be found at: <https://github.com/mchancee/wav-files-from-basaa-french-dict>

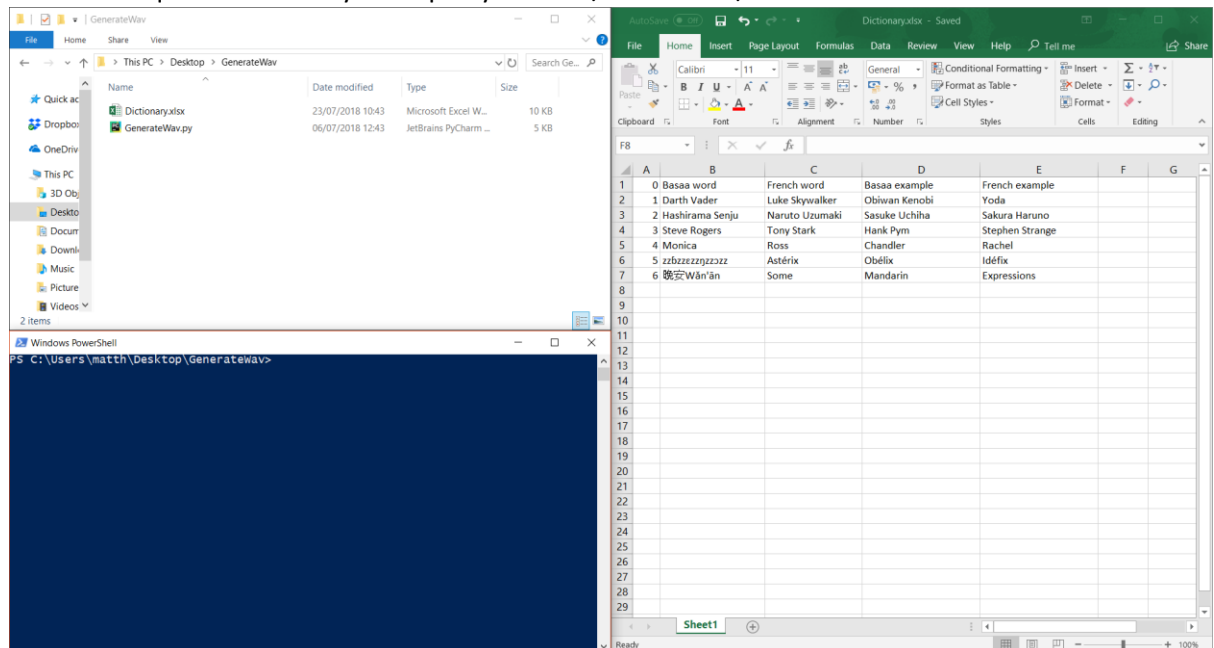
Should you need any clarification, you can contact me at: matthieu.chancee@gmail.com

Requirements

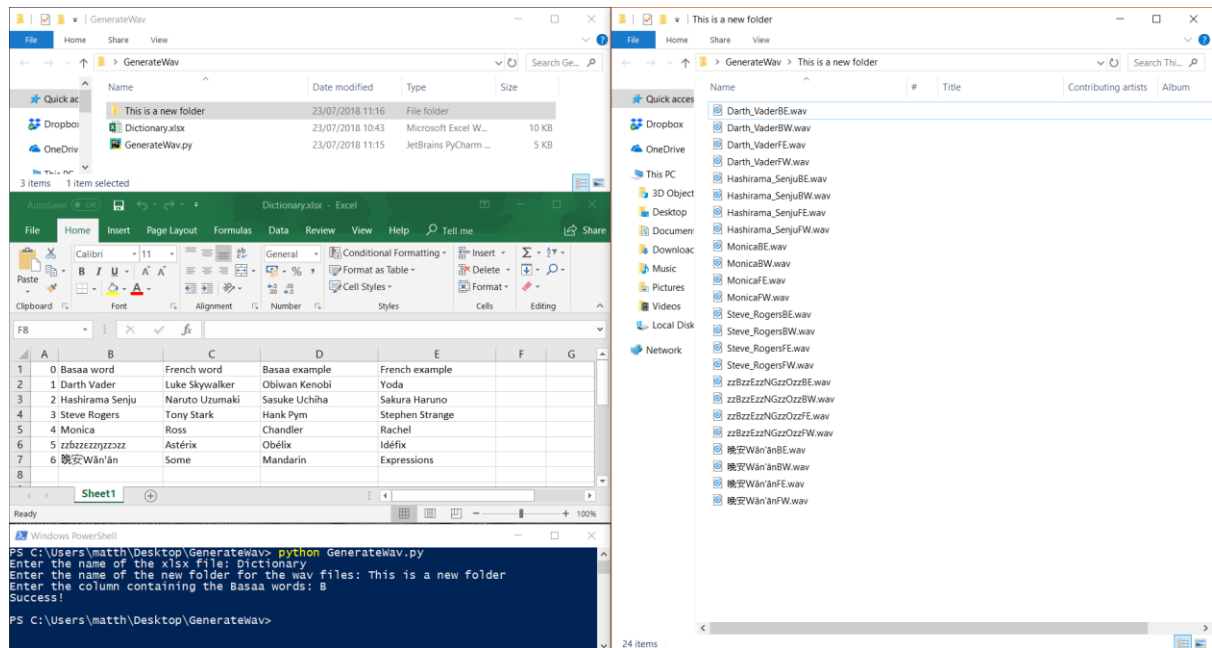
- The .xlsx file and GenerateWav.py must be in the same folder.
- You must have Python 3 installed.

Use

1. Have the required files ready and open your cmd/PowerShell/Terminal.



- Run GenerateWav.py and follow the instructions. A new folder containing the .wav files should be created.



Notes

Errors

In the following cases, an error message will be displayed and .wav files will be generated up to the point the error is encountered:

- The .xlsx file does not exist.
- The name you entered for the new folder is already used.
- The column name you entered is not alphabetic.
- Any of the following characters was used in a 'Basaa word' entry of the .xlsx file or to name the new folder to contain the .wav files:

\, /, :, *, ?, ", <, >, |

Special characters

Some Basaa words contain special characters which must be replaced. The current mappings are:

- 'b' to 'B'
- 'ε' to 'E'
- 'η' to 'NG'
- 'v' to 'O'

Naming conventions

- For each Basaa word, 4 .wav files are created. They are named by the following rule:

<Basaa word><Ending>.wav

 <Ending> may be one of BW, FW, BE, or FE, respectively standing for Basaa Word, French Word, Basaa Example and French Example.
- Spaces are replaced by the underscore character _ .

Assumptions

- The Basaa-French dictionary is on the first sheet of the .xlsx file.
- The entries for the dictionary start on the second row, with the first row presumably containing the headings for each column.