Speech to Text customization and recognition GUI tool manual

Version 1.0

Reference, prerequisites

- Adding words
  - https://www.ibm.com/watson/developercloud/doc/speech-to-text/custom.shtml#addWords

- Adding Corpus
  - https://www.ibm.com/watson/developercloud/doc/speech-to-text/custom.shtml#addCorpora

- API reference
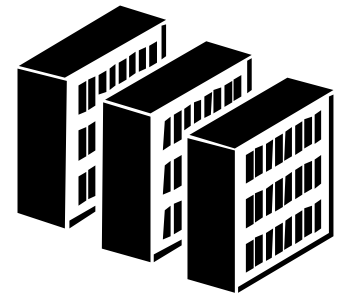 - https://www.ibm.com/watson/developercloud/speech-to-text/api/v1/

- API Explorer
  - https://watson-api-explorer.mybluemix.net/apis/speech-to-text-v1

- Watson Developer Tools
  - https://www.ibm.com/watson/developercloud/developer-tools.html

1. Custom Language Model

1-1. Create new custom language models (CLM)

Fill in the blanks and click buttons in the order shown in right figure.

1-2. Add and delete Corpora

1. Select your CLM.

2. Select a corpus file.

3. Enter corpus name then add corpus.

4. List up corpora and confirm the status is "ANALYZED" rather "BEING_PROCESSED".

Format of txt :
Only UTF-8 is available

1-3. Add and delete Words

Select csv file and click buttons in the order shown in right.

```
1  Hz,heltz
2  hrs,hours
3  kg,kilogram,kilograms
4  Pa,pascal,pascals
5  kPa,kilopascal,kilopascals
6  dB,decibel,decibels
```

Format of csv :
Word, SoundsLike
Only UTF-8 is available

List Models	Name: A new custom model name , ID: b25569e0-443f-11e7-85f6-435b156592
Delete	
Delete All	

① Select Model b25569e0-443f-11e7-85f6-435b156592c7   Get Status PENDING

② csv File Words_all_Abbr_num_unit.csv   Corpus txt File ation/training data/health

③ Add Words

Corpus Name HealthCare

T&DI,[T. and D. I.]
UIC,[U. I. C]
V,[volt, volts]
④ Get Words VAC,[V. A. C.]
W/m2,[watt per square mete
dB,[decibel, decibels]
hrs,[hours]
Delete Words kN,[kilonewton, kilonewtons

Add Corpus HealthCare, BEING_PROCESS

List Corpora

Delete Corpus

1-4. Training

2. Speech Recognition
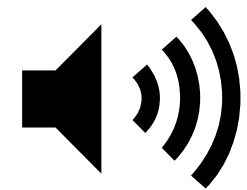
2-1. Recognize wav file

Fill in the blanks and click buttons in the order shown in right figure.
(5 and 6 are optional)

2-2. Recognize mic input

Fill in the blanks and click buttons in the order shown in right figure.
(5 is optional)

3. Trouble Shooting
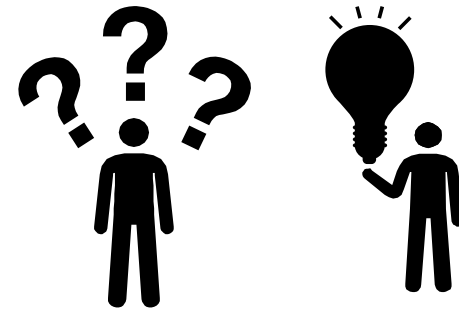
3-1. FAQ

- "synchronized error" is shown when adding Words
  - Connection error.
- How can delete a single Word?
  - That function is not supported yet. Delete all the Words and then newly add all Words from csv file.
- Transcription of wave file is interrupted.
  - Issue that should be solved. Please split your wave file using wavFileSplitter_alpha.jar
- Other error
  - Restart the application.