Lexica – requirements

# Sets

* Importing sets from txt files. These files should be created according to the following pattern:

english word,english word2;polish word,polish word 2

* Sets must be imported into directories. In the first version there will be only one level of directory structure. For example:

some interesting sets/set 1

some interesting sets/set 2

# Modes

## General information

Every mode can be opened for x sets simultaneously, where x >= 1. In the next part of this document set or sets chosen to the mode are called group.

## Spelling

* The goal of this mode is to learn how to spell words and what is their pronunciation.
* Words in group are randomized and their pronunciation is played one by one.
* Every word must be correctly written as many times in a row as the value saved in configuration.
* Every mistake reset the counter of correct answers.
* After the correct answer there is showed a translation.
* Options to configure:
  + How many times a word must be written to be passed? A default value is 2.
  + Should the whole mode be reset after some number of mistakes? If yes, after what number of faults?

## Learning

* The goal of this mode is providing the second phase of vocabulary learning.
* Words in group are randomized.
* For each word following questions must be showed:
  + 2 closed question. One about English meaning and one about Polish meaning. The order of these questions is random. Every question has 4 possible answers to choose.
  + X open questions about English meaning and X open questions about Polish meaning, where x is a value from configuration. A default value of x is 2. The order of these questions is random.
* Questions are divided into levels. A previous level must be passed to answer to questions from the next level:
  + Level 1 – both closed questions which are showed in random order.
  + Level 2 – one open question about English meaning and one open question about Polish meaning. Questions are showed in random order.
  + Level x – The same situation as in level 2. X is equal a value from configuration + 1.
* The number of levels relies on the value from configuration. The whole number of levels is equal x + 1, where x is the value from configuration. Level 1 always exists; next levels are the same and the number of levels rely on configuration.
* The whole mode is divided into rounds. In each round 7 words are randomized and questions about them are showed to a user. Questions start from level 1. The mode is passed when a user passed all levels of all words.
* Any mistake causes that a user must return to the previous level and pass it again.
* After every answer, the English pronunciation of the word can be played.

## Maintaining

* The goal of this mode is providing the last phase of learning and memory maintaining.
* Words in group are randomized.
* A user must write the English word once and the Polish word once.
* It is possible to set in configuration if mistake should reset the whole progress.
* After every answer, the English pronunciation of the word can be played.