Lexica – requirements

# Sets

* Importing sets from txt files. These files should be created according to the following pattern:
  + english word, english word 2;polish word, polish word 2
* Sets have to be imported into directories. In the first version there would 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. Set or sets chosen to the mode are called group in the next part of this document.
* Spelling:
  + The goal of this mode is to learn how to spell words and what is their pronunciation.
  + Words in group are randomized and 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 of the word.
  + After a mistake user must try as long as the proper answer is given. In this case the proper answer is not added to 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 in order 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 must be showed following questions:
    - Closed question about English meaning. Every question has 4 possible answers to choose.
    - Closed question about Polish meaning. Every question has 4 possible answers to choose.
    - x open questions about English meaning, where x is a value from configuration. A default value is 2.
    - x open questions about polish meaning, where x is a value from configuration. A default value is 2.
  + Questions are divided into levels. A previous level has to be passed in order 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.
    - The same situation as in level 2.
  + 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 is 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 write the Polish word once.
  + It is possible to set in configuration if mistake should reset the whole progress.